

HSM Article Index

Article Title	Author Name	Subject	Issue	Page
Drill Press Table	Robert S. Hedin	Shop Machinery	HSM Vol. 01 No. 1 Jan-Feb 1982	5
A Lathe Tool Holder	John Campbell	Lathes	HSM Vol. 01 No. 1 Jan-Feb 1982	7
Dovetail Slides	Gale Wollenberg	Shop Machinery	HSM Vol. 01 No. 1 Jan-Feb 1982	14
Make a Work Saver From Scrap Iron	John Dean	Shop Accessories	HSM Vol. 01 No. 1 Jan-Feb 1982	17
A Modified "Wedge" Oscillating Engine – Part I	Richard F. Cutler	Engines	HSM Vol. 01 No. 1 Jan-Feb 1982	18
Boring, Flycutting & Spot Facing with Rotating Cutters	William T. Roubal, Ph.D.	Miscellaneous	HSM Vol. 01 No. 1 Jan-Feb 1982	24
3" Parrott Field Rifle – Part I	William F. Green	Gunsmithing	HSM Vol. 01 No. 1 Jan-Feb 1982	28
A Practical Ball-Turning Tool for Atlas 12" & Similar Lathes	John G. Landwehr	Lathes	HSM Vol. 01 No. 1 Jan-Feb 1982	33
Sheet Metal Applications	Warren Weston	Miscellaneous	HSM Vol. 01 No. 1 Jan-Feb 1982	38
A Lathe Carriage Stop With Dial Indicator	W.C. Grosjean	Lathes	HSM Vol. 01 No. 1 Jan-Feb 1982	40
From the Scrapbox: Planning a Small Shop	Frank A. McLean	Miscellaneous	HSM Vol. 01 No. 1 Jan-Feb 1982	42
Centering Cap	Don McCormac	Shop Accessories	HSM Vol. 01 No. 2 Mar-Apr 1982	7
How to Equally Divide A Pie!	John Dean	General Machining Knowledge	HSM Vol. 01 No. 2 Mar-Apr 1982	14
No-Bounce Soft Hammers	Robert S. Hedin	Shop Accessories	HSM Vol. 01 No. 2 Mar-Apr 1982	16
A Home Foundry – Part I	Harold Timm	Welding/Foundry/Forging	HSM Vol. 01 No. 2 Mar-Apr 1982	18
A Modified "Wedge" Oscillating Engine – Part II	Richard F. Cutler	Engines	HSM Vol. 01 No. 2 Mar-Apr 1982	24
3" Parrott Field Rifle – Part II	William F. Green	Gunsmithing	HSM Vol. 01 No. 2 Mar-Apr 1982	29
Stalking the Wily Chuck Key and Related Matters	Guy Lautard	Lathes	HSM Vol. 01 No. 2 Mar-Apr 1982	34
From the Scrapbox: A Sturdy Workbench	Frank A. McLean	Shop Accessories	HSM Vol. 01 No. 2 Mar-Apr 1982	36
Geometric Construction	Richard J. Loescher	General Machining Knowledge	HSM Vol. 01 No. 2 Mar-Apr 1982	38
Step Collets	William T. Roubal, Ph.D.	Lathes	HSM Vol. 01 No. 2 Mar-Apr 1982	40
A Little Bit of Everything	Gale Wollenberg	Miscellaneous	HSM Vol. 01 No. 2 Mar-Apr 1982	42
A Toolpost Grinder for Your Machinex 5 or Unimat Lathe	Rodney Jones	Lathes	HSM Vol. 01 No. 3 May-Jun 1982	10
Always Wear Protective Glasses When Operating Any Shop	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 01 No. 3 May-Jun 1982	12
Scrap Iron Tapping Guide Prevents Making Screw Threads	John Dean	Lathes	HSM Vol. 01 No. 3 May-Jun 1982	12
Inexpensive Fitted Instrument Case	W.B. Vaughan	Miscellaneous	HSM Vol. 01 No. 3 May-Jun 1982	14
Machine Shop Calculations: Tapers – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 01 No. 3 May-Jun 1982	15
Threading Copper Tubing	James B. Dietel	General Machining Knowledge	HSM Vol. 01 No. 3 May-Jun 1982	17
Faceplates and Such – Part I	Robert E. LaMarche	Lathes	HSM Vol. 01 No. 3 May-Jun 1982	18
A Home Foundry – Part II	Harold Timm	Welding/Foundry/Forging	HSM Vol. 01 No. 3 May-Jun 1982	23
A Modified "Wedge" Oscillating Engine – Part III	Richard F. Cutler	Engines	HSM Vol. 01 No. 3 May-Jun 1982	26
The Machinex 5	Richard Welling	Shop Machinery	HSM Vol. 01 No. 3 May-Jun 1982	33
3" Parrott Field Rifle – Part III	William F. Green	Gunsmithing	HSM Vol. 01 No. 3 May-Jun 1982	36
From the Scrapbox: A Few Thoughts on Drill Presses and Tool	Frank A. McLean	Shop Machinery	HSM Vol. 01 No. 3 May-Jun 1982	39
Welding Alternatives for the Machinist	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 01 No. 3 May-Jun 1982	46
Threading Oil Cup	Don McCormac	Lathes	HSM Vol. 01 No. 3 May-Jun 1982	48
How to Get Things in Line Again	John Dean	Lathes	HSM Vol. 01 No. 4 Jul-Aug 1982	11
Machine Shop Calculations: Tapers – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 01 No. 4 Jul-Aug 1982	13
Sheetmetal Fabrication: Edges	Richard J. Loescher	Miscellaneous	HSM Vol. 01 No. 4 Jul-Aug 1982	15
FLASH - Making a Good Weld	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 01 No. 4 Jul-Aug 1982	16
Always Remove or Secure Jewelry When Operating Any Shop	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 01 No. 4 Jul-Aug 1982	17
Triscamp .059 – Part I	Robert A. Washburn	Engines	HSM Vol. 01 No. 4 Jul-Aug 1982	18
Four-Jaw Independent Lathe Chuck	Paul K. Johnson	Lathes	HSM Vol. 01 No. 4 Jul-Aug 1982	26
Faceplates and Such – Part II	Robert E. LaMarche	Lathes	HSM Vol. 01 No. 4 Jul-Aug 1982	29
A Home Foundry – Part III	Harold Timm	Welding/Foundry/Forging	HSM Vol. 01 No. 4 Jul-Aug 1982	34
Improving Your Lathe With A Dial Indicator	George A. Kwasniewski	Lathes	HSM Vol. 01 No. 4 Jul-Aug 1982	39
Chuck Key Retainer	W.B. Vaughan	Lathes	HSM Vol. 01 No. 4 Jul-Aug 1982	41
Sensitive Drilling Attachment	Robert S. Hedin	Shop Machinery	HSM Vol. 01 No. 4 Jul-Aug 1982	42
A Taper Attachment for Your Machinex 5 Lathe	Rodney Jones	Lathes	HSM Vol. 01 No. 4 Jul-Aug 1982	44
A Drill Press Improvement	F. Burrows Esty	Shop Machinery	HSM Vol. 01 No. 4 Jul-Aug 1982	48
Shop of the Month	Gordon L. Sherwood	Hobby Community	HSM Vol. 01 No. 5 Sep-Oct 1982	12
Sheetmetal Fabrication: Seams	Richard J. Loescher	Miscellaneous	HSM Vol. 01 No. 5 Sep-Oct 1982	14
Machine Shop Calculations: Keyed Assemblies	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 01 No. 5 Sep-Oct 1982	17
Compressed Air – Part I	Lynn Everett	Shop Accessories	HSM Vol. 01 No. 5 Sep-Oct 1982	20
Treat Chips Carefully	Edward G. Hoffman	Lathes	HSM Vol. 01 No. 5 Sep-Oct 1982	21
Lathe Work	James Hamill	Lathes	HSM Vol. 01 No. 5 Sep-Oct 1982	22
Welding Cast Iron – Part I	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 01 No. 5 Sep-Oct 1982	24
Milling on a Drill Press	Rudy Kouhoup	Shop Machinery	HSM Vol. 01 No. 5 Sep-Oct 1982	26
Triscamp .059 – Part II	Robert A. Washburn	Engines	HSM Vol. 01 No. 5 Sep-Oct 1982	31
A Gas Welding Tip	Robert W. Metze	General Machining Knowledge	HSM Vol. 01 No. 5 Sep-Oct 1982	35
A Homemade Disk Sander	Tom Saporito	Shop Machinery	HSM Vol. 01 No. 5 Sep-Oct 1982	36
Swarf Trays for the Myford Series 7 Lathes	Guy Lautard	Lathes	HSM Vol. 01 No. 5 Sep-Oct 1982	38
Finishing Contoured Metal Castings	William T. Roubal, Ph.D.	Miscellaneous	HSM Vol. 01 No. 5 Sep-Oct 1982	41
How to Get to the Center of Things	John Dean	General Machining Knowledge	HSM Vol. 01 No. 5 Sep-Oct 1982	46
From the Scrapbox: A Fireside Chat About Lathes	Frank A. McLean	Lathes	HSM Vol. 01 No. 5 Sep-Oct 1982	48
From the Files of the Primitive Machine Shop	Gale Wollenberg	Miscellaneous	HSM Vol. 01 No. 5 Sep-Oct 1982	50
An Accessory Table for Your Lathe	Robert W. Metze	Lathes	HSM Vol. 01 No. 5 Sep-Oct 1982	52
Drill Chuck Adapter	Grant W. Wood	Shop Accessories	HSM Vol. 01 No. 5 Sep-Oct 1982	52
Compressed Air – Part 2	Lynn Everett	Shop Accessories	HSM Vol. 01 No. 6 Nov-Dec 1982	8
Book Review: Build Your Own Metal Working Shop from Scrap	Dave Gingery	Hobby Community	HSM Vol. 01 No. 6 Nov-Dec 1982	12
Build Your Own Metalworking Shop From Scrap - Ammen	Edward G. Hoffman	Hobby Community	HSM Vol. 01 No. 6 Nov-Dec 1982	12
Book Review: Jig and Fixture Design	Edward G. Hoffman	Hobby Community	HSM Vol. 01 No. 6 Nov-Dec 1982	13
Jig and Fixture Design - Hoffman	Raymond D. Niergarth	Hobby Community	HSM Vol. 01 No. 6 Nov-Dec 1982	13
The Sherline #5000 Vertical Milling Machine	Edward G. Hoffman	Mills	HSM Vol. 01 No. 6 Nov-Dec 1982	16
Sheetmetal Fabrication: Notches	Richard J. Loescher	Miscellaneous	HSM Vol. 01 No. 6 Nov-Dec 1982	19
Machine Shop Calculations: Geometric Forms	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 01 No. 6 Nov-Dec 1982	20

Welding Cast Iron – Part II	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 01 No. 6 Nov-Dec 1982	22
Grinding Wheels	Edward G. Hoffman	Shop Machinery	HSM Vol. 01 No. 6 Nov-Dec 1982	25
Boring Head	W.C. Grosjean	Mills	HSM Vol. 01 No. 6 Nov-Dec 1982	26
A Versatile, Quick Change Bench Grinder Solves Many Problems	Glenn L. Wilson	Shop Machinery	HSM Vol. 01 No. 6 Nov-Dec 1982	33
A Versatile, Quick Change Bench Grinder Solves Many Problems	John Dean	Shop Machinery	HSM Vol. 01 No. 6 Nov-Dec 1982	33
Fifteen Minute Expanding Mandrel	Grant W. Wood	Lathes	HSM Vol. 01 No. 6 Nov-Dec 1982	37
Metal Turning and Glassblowing with the Metal Lathe	William T. Roubal, Ph.D.	Lathes	HSM Vol. 01 No. 6 Nov-Dec 1982	38
Triscamp .059 – Part III	Robert A. Washburn	Engines	HSM Vol. 01 No. 6 Nov-Dec 1982	43
From the Scrapbox: Lathe Stands	Frank A. McLean	Shop Accessories	HSM Vol. 01 No. 6 Nov-Dec 1982	48
Tool-Less Hold-down Bolt	W.B. Vaughan	Shop Accessories	HSM Vol. 01 No. 6 Nov-Dec 1982	52
Emco Compact 5	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 1 Jan-Feb 1983	9
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 02 No. 1 Jan-Feb 1983	13
Sheetmetal Fabrication: Sheetmetal Layout – Part I	Richard J. Loescher	Miscellaneous	HSM Vol. 02 No. 1 Jan-Feb 1983	14
Machine Shop Calculations: Geometric Forms	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 1 Jan-Feb 1983	18
Practical Problems in Mathematics for Machinists - Hoffman	Raymond D. Niergarth	Hobby Community	HSM Vol. 02 No. 1 Jan-Feb 1983	21
Electrode Selection	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 02 No. 1 Jan-Feb 1983	22
Compressed Air Safety	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 1 Jan-Feb 1983	24
Lathe Milling Attachment	Robert S. Hedin	Lathes	HSM Vol. 02 No. 1 Jan-Feb 1983	26
A Drafting Table You Can Build for Less than \$20	Edward G. Hoffman	Shop Accessories	HSM Vol. 02 No. 1 Jan-Feb 1983	32
Two Machine Tool Stands	Guy Lautard	Shop Accessories	HSM Vol. 02 No. 1 Jan-Feb 1983	35
Modifications to the Machinex 5 Lathe	Richard Welling	Lathes	HSM Vol. 02 No. 1 Jan-Feb 1983	38
Triscamp .059 – Part IV	Robert A. Washburn	Engines	HSM Vol. 02 No. 1 Jan-Feb 1983	41
Rocker Retainer	Grant W. Wood	Lathes	HSM Vol. 02 No. 1 Jan-Feb 1983	43
Metal Turning and Glassblowing with the Metal Lathe – Part I	William T. Roubal, Ph.D.	Projects	HSM Vol. 02 No. 1 Jan-Feb 1983	44
From the Scrapbox: A Fireside Chat About Lathe Tools	Frank A. McLean	Lathes	HSM Vol. 02 No. 1 Jan-Feb 1983	46
Build a Precise Tapper	Jay Bolante	Miscellaneous	HSM Vol. 02 No. 1 Jan-Feb 1983	51
Deburring Scraper	Don McCormac	Shop Accessories	HSM Vol. 02 No. 1 Jan-Feb 1983	52
Lathe Carriage Stop	Don McCormac	Lathes	HSM Vol. 02 No. 1 Jan-Feb 1983	52
Rockwell Sander/Grinder	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 2 Mar-Apr 1983	8
Rank Scherr-Tumico Micrometer Set	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 2 Mar-Apr 1983	9
Q & A	William T. Roubal, Ph.D.	General Machining Knowledge	HSM Vol. 02 No. 2 Mar-Apr 1983	10
Q & A	Lynn Everett	General Machining Knowledge	HSM Vol. 02 No. 2 Mar-Apr 1983	11
Machine Shop Calculations: Spacing Holes – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 2 Mar-Apr 1983	14
Sheetmetal Fabrication: Sheetmetal Layout – Part II	Richard J. Loescher	Miscellaneous	HSM Vol. 02 No. 2 Mar-Apr 1983	18
Brazing: The Misunderstood Joining Process	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 02 No. 2 Mar-Apr 1983	24
Bench Grinder Safety – Part I	Edward G. Hoffman	Shop Machinery	HSM Vol. 02 No. 2 Mar-Apr 1983	27
Milling Attachment for the Lathe	W. Pete Peterka	Lathes	HSM Vol. 02 No. 2 Mar-Apr 1983	28
Metal Turning and Glassblowing with the Metal Lathe – Part I	William T. Roubal, Ph.D.	Projects	HSM Vol. 02 No. 2 Mar-Apr 1983	34
Sharpening Milling Cutters	William A. Johnson	Shop Machinery	HSM Vol. 02 No. 2 Mar-Apr 1983	36
A V-Block Drill Guide	Robert W. Metzer	Shop Accessories	HSM Vol. 02 No. 2 Mar-Apr 1983	38
A 20-Ton Hydraulic Press You Can Build – Part I	Rodney Jones	Shop Machinery	HSM Vol. 02 No. 2 Mar-Apr 1983	39
Improvement for the Atlas 6" Lathe	Conrad Milster	Lathes	HSM Vol. 02 No. 2 Mar-Apr 1983	44
Triscamp .059 – Part V	Robert A. Washburn	Engines	HSM Vol. 02 No. 2 Mar-Apr 1983	47
How to Taper Off	John Dean	Lathes	HSM Vol. 02 No. 2 Mar-Apr 1983	50
From the Scrapbox: Lathe Accessories – Part I	Frank A. McLean	Lathes	HSM Vol. 02 No. 2 Mar-Apr 1983	52
Fowler Heavy Duty Dial Caliper	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 3 May-Jun 1983	10
Lawrence Drill Press Table	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 3 May-Jun 1983	10
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 02 No. 3 May-Jun 1983	12
Cheap and Effective Belt Dressing	W. Pete Peterka	Miscellaneous	HSM Vol. 02 No. 3 May-Jun 1983	15
Shop of the Month	D. E. Haskins	Hobby Community	HSM Vol. 02 No. 3 May-Jun 1983	16
Machine Shop Calculations: Spacing Holes – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 3 May-Jun 1983	18
Plain Talk About Stick Electrode Arc Welding – Part I	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 02 No. 3 May-Jun 1983	22
Sheetmetal Fabrication: Sheetmetal Layout – Part III	Richard J. Loescher	Miscellaneous	HSM Vol. 02 No. 3 May-Jun 1983	24
Bench Grinder Safety – Part II	Edward G. Hoffman	Shop Machinery	HSM Vol. 02 No. 3 May-Jun 1983	26
Machining Your Own Spur Gears	Rudy Kouhoup	Lathes	HSM Vol. 02 No. 3 May-Jun 1983	28
A Fine Fed Attachment for a Vertical Mill – Part I	G. Wadhams	Machining Accessories	HSM Vol. 02 No. 3 May-Jun 1983	32
Metal Turning and Glassblowing with the Metal Lathe – Part II	William T. Roubal, Ph.D.	Projects	HSM Vol. 02 No. 3 May-Jun 1983	34
A 20-Ton Hydraulic Press You Can Build – Part II	Rodney Jones	Shop Machinery	HSM Vol. 02 No. 3 May-Jun 1983	39
Triscamp .059 – Part VI	Robert A. Washburn	Engines	HSM Vol. 02 No. 3 May-Jun 1983	44
Handling Large Bore Tubing	H.R. Durling, Jr.	Miscellaneous	HSM Vol. 02 No. 3 May-Jun 1983	47
Moulded Tool Storage Units	Art Ellis	Shop Accessories	HSM Vol. 02 No. 3 May-Jun 1983	48
Clamp-type Lathe Dog	Don McCormac	Lathes	HSM Vol. 02 No. 3 May-Jun 1983	50
From the Scrapbox: Lathe Accessories – Part II	Frank A. McLean	Lathes	HSM Vol. 02 No. 3 May-Jun 1983	51
Lathe Alignment	Joe Fangohr	Techniques	HSM Vol. 02 No. 3 May-Jun 1983	58
Q & A	Lynn Everett	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	10
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	10
Q & A	Rudy Kouhoup	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	10
Book Review: Making an Eight Day Longcase Clock - Timmins	Clover McKinley	Hobby Community	HSM Vol. 02 No. 4 Jul-Aug 1983	13
Bench Grinder Safety – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	16
Sheetmetal Layout	Richard J. Loescher	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	20
Two Machining Aids	John Campbell	Shop Accessories	HSM Vol. 02 No. 4 Jul-Aug 1983	22
About Dimensions	James Hamill	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	24
Machine Shop Calculations: Bend Allowances	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	26
Plain Talk About Stick Electrode Arc Welding – Welding Mach	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 02 No. 4 Jul-Aug 1983	28
An Expanding Mandrel	W. Pete Peterka	Lathes	HSM Vol. 02 No. 4 Jul-Aug 1983	30
Making a Worm Wheel Driven Yoke Type Radius Turning Attachment	Theodore M. Clarke	Lathes	HSM Vol. 02 No. 4 Jul-Aug 1983	32
Micrometer Dial for the Tailstock	W.C. Grosjean	Lathes	HSM Vol. 02 No. 4 Jul-Aug 1983	40
A Digital Readout for Your Vertical Milling Machine	Guy Lautard	Mills	HSM Vol. 02 No. 4 Jul-Aug 1983	44
A Homemade Rack for Your Files	Ralph T. Walker	Projects	HSM Vol. 02 No. 4 Jul-Aug 1983	47
A Simple Die Filer	D. W. Holen	Lathes	HSM Vol. 02 No. 4 Jul-Aug 1983	48

Practical Design Hints - Machining	Frederico Strasser	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	50
Some Remarks on Thread and Screw Making	George A. Kwasniewski	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	54
Quick-Adjust Depth Stop	Grant W. Wood	Mills	HSM Vol. 02 No. 4 Jul-Aug 1983	56
Simple Chucks to Protect Finished Pieces	W. Pete Peterka	Lathes	HSM Vol. 02 No. 4 Jul-Aug 1983	57
You Need a Rest!	John Dean	Shop Machinery	HSM Vol. 02 No. 4 Jul-Aug 1983	58
From the Scrapbox: A Few Tips on Drilling on a Drill Press or a	Frank A. McLean	General Machining Knowledge	HSM Vol. 02 No. 4 Jul-Aug 1983	60
The Micro Machinist: Machine Shop in a Cabinet	Rudy Kouhoup	Hobby Community	HSM Vol. 02 No. 4 Jul-Aug 1983	62
Micrometer Stand	Don McCormac	Shop Accessories	HSM Vol. 02 No. 4 Jul-Aug 1983	64
Fisher Universal Indicator Holder	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 5 Sep-Oct 1983	8
Manhattan 3-in-1 Drill Set	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 5 Sep-Oct 1983	8
Sears Tap and Die Sets	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 5 Sep-Oct 1983	9
Drilling Technology, Grinding Technology and Turning Techno	Raymond D. Niergarth	Hobby Community	HSM Vol. 02 No. 5 Sep-Oct 1983	11
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 02 No. 5 Sep-Oct 1983	12
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 02 No. 5 Sep-Oct 1983	12
Machine Shop Calculations: Indexing	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 5 Sep-Oct 1983	22
Versatile Fastener	Grant W. Wood	Miscellaneous	HSM Vol. 02 No. 5 Sep-Oct 1983	26
Welding of Tool and Die Steels	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 02 No. 5 Sep-Oct 1983	28
A Compound and Ram Tailstock	Theodore M. Clarke	Lathes	HSM Vol. 02 No. 5 Sep-Oct 1983	30
The Stirling Hot Air Engine	Thorn L. Mayes	Engines	HSM Vol. 02 No. 5 Sep-Oct 1983	33
A Built-in Drill Guide	John Dean	Shop Machinery	HSM Vol. 02 No. 5 Sep-Oct 1983	39
Balls & Bull Noses – Part I	Guy Lautard	Miscellaneous	HSM Vol. 02 No. 5 Sep-Oct 1983	40
A Pocket Size Camera Tripod	Guy Lautard	Projects	HSM Vol. 02 No. 5 Sep-Oct 1983	45
Practical Design Hints: Machining – Part II	Frederico Strasser	General Machining Knowledge	HSM Vol. 02 No. 5 Sep-Oct 1983	48
From the Scrapbox: How To Machine a Vee Block on a Vertica	Frank A. McLean	Mills	HSM Vol. 02 No. 5 Sep-Oct 1983	52
A Simple Holddown Device	Robert W. Metz	Shop Accessories	HSM Vol. 02 No. 5 Sep-Oct 1983	53
The Micro Machinist: Test Indicator – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 02 No. 5 Sep-Oct 1983	54
Sheetmetal Fabrication: Sheetmetal Layout – Part V	Richard J. Loescher	Miscellaneous	HSM Vol. 02 No. 5 Sep-Oct 1983	56
The Apprentice: Basic Home Shop Tool - The Lathe	Robert A. Washburn	Lathes	HSM Vol. 02 No. 5 Sep-Oct 1983	60
Fire Safety – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 5 Sep-Oct 1983	64
Fisher Edge and Center Finders and Tap Guide	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 6 Nov-Dec 1983	12
Glendo Accu-Finish Tool Sharpener	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 6 Nov-Dec 1983	12
Emco Compact 10 Lathe	Edward G. Hoffman	Miscellaneous	HSM Vol. 02 No. 6 Nov-Dec 1983	15
Strike While The Iron Is Hot - Lautard	Clover McKinley	Hobby Community	HSM Vol. 02 No. 6 Nov-Dec 1983	18
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	20
Q & A	Harry Bloom	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	21
Machine Shop Calculations: Screw Thread Calculations	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	26
Shop Notes on Metals and Metal Identification	Charles K. Hunt	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	29
Build Your Own Dividing Attachment	Rudy Kouhoup	Shop Machinery	HSM Vol. 02 No. 6 Nov-Dec 1983	32
Unusual Lathe Work	D. W. Holen	Lathes	HSM Vol. 02 No. 6 Nov-Dec 1983	40
Balls & Bull Noses – Part II	Guy Lautard	Miscellaneous	HSM Vol. 02 No. 6 Nov-Dec 1983	42
A Simple Lathe Dog	James D. Scharplaz, P.E.	Lathes	HSM Vol. 02 No. 6 Nov-Dec 1983	46
Conserving Cutting Oils	W.B. Vaughan	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	47
Practical Design Hints: Assembly	Frederico Strasser	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	48
The Micro Machinist: Test Indicator – Part II	Rudy Kouhoup	Shop Accessories	HSM Vol. 02 No. 6 Nov-Dec 1983	52
From the Scrapbox: A Fireside Chat About Lathe Chucks	Frank A. McLean	Lathes	HSM Vol. 02 No. 6 Nov-Dec 1983	54
Sheetmetal Fabrication: Sheetmetal Layout – Part VI	Richard J. Loescher	Miscellaneous	HSM Vol. 02 No. 6 Nov-Dec 1983	58
The Apprentice: Lathe Accessories	Robert A. Washburn	Lathes	HSM Vol. 02 No. 6 Nov-Dec 1983	60
Fire Safety – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 02 No. 6 Nov-Dec 1983	64
Fisher 5" Sine Bar	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 1 Jan-Feb 1984	8
SPI Space Block Set	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 1 Jan-Feb 1984	8
Emco Maier Maximat Super II	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 1 Jan-Feb 1984	9
Q & A	Robert A. Washburn	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	12
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	12
Machine Shop Calculations: Screw Thread Calculations – Part	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	18
Shop of the Month	J. C. Funk	Hobby Community	HSM Vol. 03 No. 1 Jan-Feb 1984	20
Gas Tungsten Arc Welding – Part I	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 1 Jan-Feb 1984	22
Welding: Gas Tungsten Arc Welding – Part I	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 1 Jan-Feb 1984	22
Reconditioning a Lathe – Part I	Harry Bloom	Lathes	HSM Vol. 03 No. 1 Jan-Feb 1984	24
Weldments Can Replace Castings	Richard B. Walker	Welding/Foundry/Forging	HSM Vol. 03 No. 1 Jan-Feb 1984	31
Conversion of a Gear-driven Shaper to Hydraulic Drive	Theodore M. Clarke	Shop Machinery	HSM Vol. 03 No. 1 Jan-Feb 1984	36
Cutting Fluids and Compounds	John Marcus, Ph.D.	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	40
Column Storage Box for a Drill Press	W.B. Vaughan	Shop Accessories	HSM Vol. 03 No. 1 Jan-Feb 1984	44
Practical Design Hints: Assembly – Part IV	Frederico Strasser	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	46
The Micro Machinist: Compressed Air Motor – Part I	Rudy Kouhoup	Projects	HSM Vol. 03 No. 1 Jan-Feb 1984	48
From the Scrapbox: Sharpening Two-lip End Mills	Frank A. McLean	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	50
The Apprentice: Lathe Turning Tools	Robert A. Washburn	Lathes	HSM Vol. 03 No. 1 Jan-Feb 1984	52
Fire Safety – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 1 Jan-Feb 1984	56
Dupli-Carver Band Saw	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 2 Mar-Apr 1984	8
Sears 15-1/2" Drill Press	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 2 Mar-Apr 1984	10
Fisher "Pee Dee" Thread Measuring Wires	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 2 Mar-Apr 1984	11
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 03 No. 2 Mar-Apr 1984	12
Extra Length Combined Drill and Countersinks	Michael T. Yamamoto	Shop Accessories	HSM Vol. 03 No. 2 Mar-Apr 1984	18
Center Test Indicator	Frank G. Brockardt	Mills	HSM Vol. 03 No. 2 Mar-Apr 1984	19
Machine Shop Calculations: Screw Thread Calculations – Part	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 2 Mar-Apr 1984	20
Every Pot Finds Its Own Lid	Guy Lautard	Miscellaneous	HSM Vol. 03 No. 2 Mar-Apr 1984	24
Gas Tungsten Arc Welding – Part II	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 2 Mar-Apr 1984	26
Welding: Gas Tungsten Arc Welding – Part II	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 2 Mar-Apr 1984	26
A Practical Suds Pump	Keith E. Passino	Shop Accessories	HSM Vol. 03 No. 2 Mar-Apr 1984	28
Sliding Band Saw Vise	Ed Merrifield	Shop Accessories	HSM Vol. 03 No. 2 Mar-Apr 1984	35
An Automatic Parallel	Rudy Kouhoup	Shop Accessories	HSM Vol. 03 No. 2 Mar-Apr 1984	36

Spacing Drill Guide Makes It Easy	John Dean	Shop Machinery	HSM Vol. 03 No. 2 Mar-Apr 1984	39
Reconditioning a Lathe – Part II	Harry Bloom	Lathes	HSM Vol. 03 No. 2 Mar-Apr 1984	40
V-Blocks Quickly Made	John Dean	Shop Accessories	HSM Vol. 03 No. 2 Mar-Apr 1984	43
Lathe Chip Shield	James Berger	Lathes	HSM Vol. 03 No. 2 Mar-Apr 1984	44
Don't Fake a Casting – Make a Casting: Equipment & Supplies	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 03 No. 2 Mar-Apr 1984	50
Tool Holder Retainer	H. T. Biddle	Lathes	HSM Vol. 03 No. 2 Mar-Apr 1984	55
From the Scrapbox: How to Machine an Angle Plate	Frank A. McLean	General Machining Knowledge	HSM Vol. 03 No. 2 Mar-Apr 1984	56
The Micro Machinist: Compressed Air Motor – Part II	Rudy Kouhoup	Projects	HSM Vol. 03 No. 2 Mar-Apr 1984	58
The Apprentice: Boring & Lathe Measuring Tools	Robert A. Washburn	Lathes	HSM Vol. 03 No. 2 Mar-Apr 1984	60
Heavy-Duty Centers	Chet Parshall	Lathes	HSM Vol. 03 No. 2 Mar-Apr 1984	63
Fire Safety – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 2 Mar-Apr 1984	64
Sears Bench Grinder	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 3 May-Jun 1984	8
Mitchell Abrasive Cords and Tapes	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 3 May-Jun 1984	9
Starrett Trammel Set	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 3 May-Jun 1984	9
Height Gage	Lewis Jenkins	Shop Accessories	HSM Vol. 03 No. 3 May-Jun 1984	10
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 03 No. 3 May-Jun 1984	12
Q & A	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 3 May-Jun 1984	12
More on a Gear-driven Shaper Conversion	Theodore M. Clarke	Shop Machinery	HSM Vol. 03 No. 3 May-Jun 1984	16
Machine Shop Calculations: Screw Thread Calculations – Part	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 3 May-Jun 1984	20
Rapid Machine Tapping Drill Press	William T. Roubal, Ph.D.	Shop Machinery	HSM Vol. 03 No. 3 May-Jun 1984	22
Building a Portable Vise Bench	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 3 May-Jun 1984	24
Welding: Building a Portable Vise Bench	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 3 May-Jun 1984	24
Rotary Milling Table – Part I	S. F. Kadron	Shop Machinery	HSM Vol. 03 No. 3 May-Jun 1984	28
A Large Steady Rest from the Scrap Pile	J. O. Barbour, Jr.	Lathes	HSM Vol. 03 No. 3 May-Jun 1984	35
A Milling Machine for Your Lathe – Part I	John Snyder	Lathes	HSM Vol. 03 No. 3 May-Jun 1984	36
Drawing Up a Bargain	Guy Lautard	Shop Accessories	HSM Vol. 03 No. 3 May-Jun 1984	45
Reconditioning a Lathe – Part III	Harry Bloom	Lathes	HSM Vol. 03 No. 3 May-Jun 1984	48
Machining Thin Disks and Rings	D. E. Johnson	Miscellaneous	HSM Vol. 03 No. 3 May-Jun 1984	50
Don't Fake a Casting – Make a Casting: Equipment & Supplies	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 03 No. 3 May-Jun 1984	52
From the Scrapbox: Flycutters	Frank A. McLean	General Machining Knowledge	HSM Vol. 03 No. 3 May-Jun 1984	56
The Micro Machinist: Compressed Air Motor – Part III	Rudy Kouhoup	Projects	HSM Vol. 03 No. 3 May-Jun 1984	58
The Apprentice: Lathe Measuring Instruments	Robert A. Washburn	Lathes	HSM Vol. 03 No. 3 May-Jun 1984	60
Fire Safety – Part V	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 3 May-Jun 1984	63
Emco Maier FB-2 Milling Machine	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 4 Jul-Aug 1984	6
Criterion Boring Head	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 4 Jul-Aug 1984	8
Northwestern Clamping Kit	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 4 Jul-Aug 1984	8
More on Milling with a Drill Press	Theodore M. Clarke	Shop Machinery	HSM Vol. 03 No. 4 Jul-Aug 1984	10
Q & A	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 4 Jul-Aug 1984	12
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 03 No. 4 Jul-Aug 1984	12
A Toolpost Grinder	John Dean	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	18
Machine Shop Calculations: Speeds And Feeds – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 4 Jul-Aug 1984	20
Buying Used Welding Equipment	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 4 Jul-Aug 1984	24
Welding: Buying Used Welding Equipment	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 03 No. 4 Jul-Aug 1984	24
Temporary Self-locking Stub Mandrel	Philip Duclos	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	28
Rotary Milling Table – Part II	S. F. Kadron	Shop Machinery	HSM Vol. 03 No. 4 Jul-Aug 1984	30
Screwdriver Blade Grinding Jig	Kim E. Plank	Miscellaneous	HSM Vol. 03 No. 4 Jul-Aug 1984	35
Modifications to a Maximat V-8 Lathe	Dave Marshall	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	36
Oxy-fuel Cutting Guide Jig	Orley Phillips	Miscellaneous	HSM Vol. 03 No. 4 Jul-Aug 1984	42
A Milling Machine for Your Lathe – Part II	John Snyder	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	44
Reconditioning a Lathe – Part IV	Harry Bloom	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	49
Don't Fake a Casting – Make a Casting: Equipment & Supplies	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 03 No. 4 Jul-Aug 1984	52
A Toolpost Problem Solver	John Dean	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	55
From the Scrapbox: How to Use the Vertical Milling Machine	Frank A. McLean	Mills	HSM Vol. 03 No. 4 Jul-Aug 1984	56
The Micro Machinist: Boring Bars – Part I	Rudy Kouhoup	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	58
The Apprentice: Threading on the Lathe	Robert A. Washburn	Lathes	HSM Vol. 03 No. 4 Jul-Aug 1984	60
A Thin Slice of V-Block	John Dean	Shop Accessories	HSM Vol. 03 No. 4 Jul-Aug 1984	63
Good Housekeeping – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 4 Jul-Aug 1984	64
Darex M3 Drill Sharpener	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 5 Sep-Oct 1984	8
S-T Industries 12" Height Gage	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 5 Sep-Oct 1984	8
Clamping Work to the Mill Table	Harold Timm	Mills	HSM Vol. 03 No. 5 Sep-Oct 1984	10
Double the Capacity of Your Lathe	J. O. Barbour, Jr.	Lathes	HSM Vol. 03 No. 5 Sep-Oct 1984	18
Machine Shop Calculations: Speeds And Feeds – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 5 Sep-Oct 1984	20
A Make-Do Surface Grinder – Part I	Richard B. Walker	Shop Machinery	HSM Vol. 03 No. 5 Sep-Oct 1984	24
Making an Automatic Feed for a Milling Machine	J. W. (Bill) Reichart	Mills	HSM Vol. 03 No. 5 Sep-Oct 1984	31
Triplex	E. I. Schefer	Shop Machinery	HSM Vol. 03 No. 5 Sep-Oct 1984	34
A Milling Machine for Your Lathe – Part III	John Snyder	Lathes	HSM Vol. 03 No. 5 Sep-Oct 1984	36
Construction & Use of the Lathe Carriage Stop	D. E. Johnson	Lathes	HSM Vol. 03 No. 5 Sep-Oct 1984	39
Reconditioning a Lathe – Part V	Harry Bloom	Lathes	HSM Vol. 03 No. 5 Sep-Oct 1984	42
A Temporary Aluminum Furnace	Philip Duclos	Welding/Foundry/Forging	HSM Vol. 03 No. 5 Sep-Oct 1984	44
Don't Fake a Casting – Make a Casting: Ramming the Mold for	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 03 No. 5 Sep-Oct 1984	46
From the Scrapbox: External Threads – Part I	Frank A. McLean	General Machining Knowledge	HSM Vol. 03 No. 5 Sep-Oct 1984	50
The Micro Machinist: Boring Bars – Part II	Rudy Kouhoup	Lathes	HSM Vol. 03 No. 5 Sep-Oct 1984	56
Good Housekeeping – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 5 Sep-Oct 1984	60
The Apprentice: Selecting a Milling Machine	Robert A. Washburn	Mills	HSM Vol. 03 No. 5 Sep-Oct 1984	60
Dillon Mk III Welding & Cutting Torch	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 6 Nov-Dec 1984	8
A New Year Message	Rudy Kouhoup	Miscellaneous	HSM Vol. 03 No. 6 Nov-Dec 1984	12
Holding Small Objects	George L. Taft	General Machining Knowledge	HSM Vol. 03 No. 6 Nov-Dec 1984	17
Machine Shop Calculations: Speeds And Feeds – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 6 Nov-Dec 1984	18
Q & A	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 03 No. 6 Nov-Dec 1984	22
A Make-Do Surface Grinder – Part II	Richard B. Walker	Shop Machinery	HSM Vol. 03 No. 6 Nov-Dec 1984	24

How Would You Make This Part?	D. W. Holen	Projects	HSM Vol. 03 No. 6 Nov-Dec 1984	31
Fabricating the Tumbler Link	D. W. Holen	Projects	HSM Vol. 03 No. 6 Nov-Dec 1984	32
A Bit of Inspiration	Guy Lautard	Miscellaneous	HSM Vol. 03 No. 6 Nov-Dec 1984	34
Five-Layer Lazy Susan Drill Index	John B. Gascoyne	Shop Accessories	HSM Vol. 03 No. 6 Nov-Dec 1984	36
Concave and Convex Radius Cutter	Bruce Jones	Lathes	HSM Vol. 03 No. 6 Nov-Dec 1984	40
Making the Home Shop Pay	John W. Oder	Projects	HSM Vol. 03 No. 6 Nov-Dec 1984	45
Reconditioning a Lathe – Part VI	Harry Bloom	Lathes	HSM Vol. 03 No. 6 Nov-Dec 1984	48
Fear Neither Sphere Nor Hemisphere	John Dean	Techniques	HSM Vol. 03 No. 6 Nov-Dec 1984	50
Proper Grounding of Power Tools	Terry Wireman	General Machining Knowledge	HSM Vol. 03 No. 6 Nov-Dec 1984	52
Swaging Down a Copper Pipe Elbow	Guy Lautard	Miscellaneous	HSM Vol. 03 No. 6 Nov-Dec 1984	54
From the Scrapbox: Drilling and Tapping Hints	Frank A. McLean	General Machining Knowledge	HSM Vol. 03 No. 6 Nov-Dec 1984	56
The Micro Machinist: Milling Accessories – Part I	Rudy Kouhoup	Mills	HSM Vol. 03 No. 6 Nov-Dec 1984	58
The Apprentice: The Basic Approach to Using the Milling Machine	Robert A. Washburn	Mills	HSM Vol. 03 No. 6 Nov-Dec 1984	60
Shop Layout – Part I	Edward G. Hoffman	Miscellaneous	HSM Vol. 03 No. 6 Nov-Dec 1984	64
Machine Shop Calculations: Grinding Wheels	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 04 No. 1 Jan-Feb 1985	20
Sky Charger – Part I	Robert A. Washburn	Engines	HSM Vol. 04 No. 1 Jan-Feb 1985	24
Build a Gimbale Ship's Lamp	William F. Green	Projects	HSM Vol. 04 No. 1 Jan-Feb 1985	35
How to Make Quality Photos of Machined Metal Projects at Home	Dennis Ivy	Miscellaneous	HSM Vol. 04 No. 1 Jan-Feb 1985	38
A "Showpiece" Challenge	Philip Duclos	Projects	HSM Vol. 04 No. 1 Jan-Feb 1985	44
A Steel Beam Trammel – Part I	Guy Lautard	Shop Accessories	HSM Vol. 04 No. 1 Jan-Feb 1985	46
Don't Fake a Casting, Make a Casting: The Pattern – Part I	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 1 Jan-Feb 1985	52
From the Scrapbox: Boring Internal Threads	Frank A. McLean	Lathes	HSM Vol. 04 No. 1 Jan-Feb 1985	56
The Micro Machinist: Milling Accessories – Part II	Rudy Kouhoup	Mills	HSM Vol. 04 No. 1 Jan-Feb 1985	62
Shop Layout – Part II	Edward G. Hoffman	Miscellaneous	HSM Vol. 04 No. 1 Jan-Feb 1985	64
Product Review: Anton Angular Gage Blocks	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 2 Mar-Apr 1985	10
Product Review: Sears Hardwood Machinist's Tool Chest	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 2 Mar-Apr 1985	10
Product Review: Quorn Mark II Grinder	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 2 Mar-Apr 1985	12
Machine Shop Calculations: Angular Measurement – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 04 No. 2 Mar-Apr 1985	20
Keep that Universal Chuck Accurate	W. Pete Peterka	Lathes	HSM Vol. 04 No. 2 Mar-Apr 1985	22
Adjustable Parallels	Philip Duclos	Shop Accessories	HSM Vol. 04 No. 2 Mar-Apr 1985	24
Build Your Own Face Plate	Marlyn Hadley	Lathes	HSM Vol. 04 No. 2 Mar-Apr 1985	28
Spindle Stop for a 10-K	Norman H. Bennett	Lathes	HSM Vol. 04 No. 2 Mar-Apr 1985	31
Sky Charger – Part II	Robert A. Washburn	Engines	HSM Vol. 04 No. 2 Mar-Apr 1985	32
A Steel Beam Trammel – Part II	Guy Lautard	Shop Accessories	HSM Vol. 04 No. 2 Mar-Apr 1985	35
Getting the Most from Your Center Gage and Other Threading	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 04 No. 2 Mar-Apr 1985	38
Lathe Carriage Oiler	Norman H. Bennett	Lathes	HSM Vol. 04 No. 2 Mar-Apr 1985	41
Turning Ornamental Shapes	Conrad Milster	Lathes	HSM Vol. 04 No. 2 Mar-Apr 1985	42
Build an Electric Gun	Robert W. Metzke	Gunsmithing	HSM Vol. 04 No. 2 Mar-Apr 1985	46
Shop Layout – Part III	Edward G. Hoffman	Miscellaneous	HSM Vol. 04 No. 2 Mar-Apr 1985	51
Don't Fake a Casting, Make a Casting: The Pattern – Part II	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 2 Mar-Apr 1985	52
From the Scrapbox: How to Broach Small Holes	Frank A. McLean	Lathes	HSM Vol. 04 No. 2 Mar-Apr 1985	56
The Apprentice: Using the Wiggler and Edge Finder	Robert A. Washburn	Mills	HSM Vol. 04 No. 2 Mar-Apr 1985	58
The Micro Machinist: Milling Accessories – Part III	Rudy Kouhoup	Mills	HSM Vol. 04 No. 2 Mar-Apr 1985	62
Product Review: Scherr-Tumico Machinist Tool Set	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 3 May-Jun 1985	8
Product Review: Athens Centering Thimbles	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 3 May-Jun 1985	10
Product Review: ShopTronics Digital Readout	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 3 May-Jun 1985	11
Machine Shop Calculations: Angular Measurement – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	16
Q & A	John B. Gascoyne	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	18
Q & A	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 3 May-Jun 1985	18
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	19
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	19
Measuring Pitch Diameter	Charlie Dondro	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	20
Micrometer Attachment for Lathe Lead Screws	John P. McDermott, Jr.	Lathes	HSM Vol. 04 No. 3 May-Jun 1985	22
Bastion of the Belts	David Jones	Hobby Community	HSM Vol. 04 No. 3 May-Jun 1985	26
Some Light on the Subject	Arthur Crow	Shop Accessories	HSM Vol. 04 No. 3 May-Jun 1985	31
Square References, Their Design, Construction, and Inspection	Gary F. Reisdorf	Shop Accessories	HSM Vol. 04 No. 3 May-Jun 1985	32
Sky Charger – Part III	Robert A. Washburn	Engines	HSM Vol. 04 No. 3 May-Jun 1985	36
Tailstock Die Holder	Harold Timm	Lathes	HSM Vol. 04 No. 3 May-Jun 1985	40
Don't Fake a Casting, Make a Casting: The Pattern – Part III	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 3 May-Jun 1985	42
Square Pegs and Round Holes	Luke Lukens	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	46
From the Scrapbox: Universal Surface Gage	Frank A. McLean	Shop Accessories	HSM Vol. 04 No. 3 May-Jun 1985	48
The Apprentice: Three Types of Unique Mill Table Clamps	Robert A. Washburn	Shop Accessories	HSM Vol. 04 No. 3 May-Jun 1985	55
The Micro Machinist: Use of Dimensions	Rudy Kouhoup	General Machining Knowledge	HSM Vol. 04 No. 3 May-Jun 1985	58
Drill Shank Welding Jig	Arthur Crow	Welding/Foundry/Forging	HSM Vol. 04 No. 3 May-Jun 1985	63
Product Review: S-T Industries Electronic Digital Caliper	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 4 Jul-Aug 1985	8
Product Review: Craftmark Zero/Zero Center Finder	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 4 Jul-Aug 1985	10
Product Review: Anton Toolmaker's Dream Kit	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 4 Jul-Aug 1985	11
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 04 No. 4 Jul-Aug 1985	14
The Art of Engraving	Guy Lautard	General Machining Knowledge	HSM Vol. 04 No. 4 Jul-Aug 1985	15
Corrections to Concave and Convex Radius Cutter	Bruce Jones	Lathes	HSM Vol. 04 No. 4 Jul-Aug 1985	19
End Mill Sharpening Fixture	Robert S. Hedin	Shop Accessories	HSM Vol. 04 No. 4 Jul-Aug 1985	22
Grinding Wheel Arbor	Jeff Bertrand	Shop Accessories	HSM Vol. 04 No. 4 Jul-Aug 1985	25
Firing Model Napoleon Field Gun – Part I	William F. Green	Gunsmithing	HSM Vol. 04 No. 4 Jul-Aug 1985	26
Building a Belt Sander	George W. Genevro	Shop Machinery	HSM Vol. 04 No. 4 Jul-Aug 1985	32
Some Pointers on Rotary Table Work	Guy Lautard	Shop Machinery	HSM Vol. 04 No. 4 Jul-Aug 1985	40
Sky Charger – Part IV	Robert A. Washburn	Engines	HSM Vol. 04 No. 4 Jul-Aug 1985	42
Setting Up a Home Foundry	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 04 No. 4 Jul-Aug 1985	46
From the Scrapbox: A Small Machine Vise	Frank A. McLean	Shop Accessories	HSM Vol. 04 No. 4 Jul-Aug 1985	49
Don't Fake a Casting, Make a Casting: The Pattern – Part IV	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 4 Jul-Aug 1985	52
The Micro Machinist: Slitting Saws	Rudy Kouhoup	Mills	HSM Vol. 04 No. 4 Jul-Aug 1985	56

The Apprentice: Dividing Head for the Milling Table	Robert A. Washburn	Shop Accessories	HSM Vol. 04 No. 4 Jul-Aug 1985	58
Shop Layout – Part IV	Edward G. Hoffman	Miscellaneous	HSM Vol. 04 No. 4 Jul-Aug 1985	64
Product Review: Infinity Precisions Boring Head	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 5 Sep-Oct 1985	8
Product Review: Kalamazoo 4.00 Belt Sander	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 5 Sep-Oct 1985	10
Product Review: ATCO Combo-Cube	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 5 Sep-Oct 1985	12
Q & A	Rudy Kouhoupt	General Machining Knowledge	HSM Vol. 04 No. 5 Sep-Oct 1985	18
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 04 No. 5 Sep-Oct 1985	18
Machine Shop Calculations: Gears – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 04 No. 5 Sep-Oct 1985	19
“Slow Poke” Small Keyway Broach	Philip Duclos	Shop Accessories	HSM Vol. 04 No. 5 Sep-Oct 1985	22
Sky Charger – Part V	Robert A. Washburn	Engines	HSM Vol. 04 No. 5 Sep-Oct 1985	27
Solving a Weighty Problem	Bill Davidson	Miscellaneous	HSM Vol. 04 No. 5 Sep-Oct 1985	32
Firing Model Napoleon Field Gun – Part II	William F. Green	Gunsmithing	HSM Vol. 04 No. 5 Sep-Oct 1985	38
From the Scrapbox: A New Vertical Milling Machine	Frank A. McLean	Mills	HSM Vol. 04 No. 5 Sep-Oct 1985	42
Don't Fake A Casting, Make A Casting: The Pattern – Part V	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 5 Sep-Oct 1985	48
The Apprentice: A Potpourri	Robert A. Washburn	General Machining Knowledge	HSM Vol. 04 No. 5 Sep-Oct 1985	54
The Micro Machinist: Steam Engine – Part I	Rudy Kouhoupt	Engines	HSM Vol. 04 No. 5 Sep-Oct 1985	58
Shop Layout – Part V	Edward G. Hoffman	Miscellaneous	HSM Vol. 04 No. 5 Sep-Oct 1985	64
Product Review: TWF Industries Machinist Assortment	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 6 Nov-Dec 1985	6
Product Review: Westhoff Mighty Mag	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 6 Nov-Dec 1985	6
Product Review: S-T Industries Universal Dial Indicator Test Set	Edward G. Hoffman	Hobby Community	HSM Vol. 04 No. 6 Nov-Dec 1985	8
Manufacture of the Springfield Model 1903 Service Rifle	Guy Lautard	Gunsmithing	HSM Vol. 04 No. 6 Nov-Dec 1985	17
A Drill Holder for Your Lathe	George A. Peavey	Lathes	HSM Vol. 04 No. 6 Nov-Dec 1985	18
Machine Shop Calculations: Gears – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 04 No. 6 Nov-Dec 1985	20
Q & A	Richard E. Evans	General Machining Knowledge	HSM Vol. 04 No. 6 Nov-Dec 1985	22
Drill Press Tapping Tool	Harold Mason	Shop Machinery	HSM Vol. 04 No. 6 Nov-Dec 1985	24
CAD for the Common Man	Annette Hinshaw	Computers	HSM Vol. 04 No. 6 Nov-Dec 1985	28
Milling Machine Chip Shield	James Berger	Mills	HSM Vol. 04 No. 6 Nov-Dec 1985	30
Metal Forming Brake Attachment	J. O. Barbour, Jr.	Shop Accessories	HSM Vol. 04 No. 6 Nov-Dec 1985	35
Sky Charger – Part VI	Robert A. Washburn	Engines	HSM Vol. 04 No. 6 Nov-Dec 1985	38
Toolmaker's Clamps	Guy Lautard	Shop Accessories	HSM Vol. 04 No. 6 Nov-Dec 1985	40
Firing Model Napoleon Field Gun – Part III	William F. Green	Gunsmithing	HSM Vol. 04 No. 6 Nov-Dec 1985	44
A Cutting Tool for Machining Aluminum	James R. Lewis	Lathes	HSM Vol. 04 No. 6 Nov-Dec 1985	48
Don't Fake A Casting, Make A Casting: The Pattern – Part VI	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 04 No. 6 Nov-Dec 1985	50
The Apprentice: The Workings of a Sine Bar – Part I	Robert A. Washburn	Shop Accessories	HSM Vol. 04 No. 6 Nov-Dec 1985	54
Cross-feed Cover for a 10-K	Norman H. Bennett	Lathes	HSM Vol. 04 No. 6 Nov-Dec 1985	57
The Micro Machinist: Steam Engine – Part II	Rudy Kouhoupt	Engines	HSM Vol. 04 No. 6 Nov-Dec 1985	58
Product Review: BTI - Super T Drivers	Edward G. Hoffman	Hobby Community	HSM Vol. 05 No. 1 Jan-Feb 1986	10
Product Review: Zero-It Indicator Adapter	Edward G. Hoffman	Hobby Community	HSM Vol. 05 No. 1 Jan-Feb 1986	10
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 05 No. 1 Jan-Feb 1986	13
More Inspiration – Part I	John W. Oder	Engines	HSM Vol. 05 No. 1 Jan-Feb 1986	14
Jaws	Richard S. Torgerson	Lathes	HSM Vol. 05 No. 1 Jan-Feb 1986	17
Screwcutting Threads	Ted Wright	Lathes	HSM Vol. 05 No. 1 Jan-Feb 1986	20
Adjustable, Traveling Dial Indicator Rod	John B. Gascoyne	Lathes	HSM Vol. 05 No. 1 Jan-Feb 1986	25
Parts Cleaner	Ray E. Starnes	Shop Accessories	HSM Vol. 05 No. 1 Jan-Feb 1986	28
Cellulose Tape - Silent Magic	B. Beck	Miscellaneous	HSM Vol. 05 No. 1 Jan-Feb 1986	30
A Firing Model Napoleon Field Gun – Part IV	William F. Green	Gunsmithing	HSM Vol. 05 No. 1 Jan-Feb 1986	31
Sky Charger – Part VII	Robert A. Washburn	Engines	HSM Vol. 05 No. 1 Jan-Feb 1986	34
Home-Built Motor Reversing Switch	Bruce Jones	Miscellaneous	HSM Vol. 05 No. 1 Jan-Feb 1986	39
Threading Set-up Chart	Bruce Jones	General Machining Knowledge	HSM Vol. 05 No. 1 Jan-Feb 1986	39
Updating Flat Belt Driven Equipment	James E. Oslislo	Shop Machinery	HSM Vol. 05 No. 1 Jan-Feb 1986	40
From the Scrapbox: How to Make a Special Tap	Frank A. McLean	Shop Accessories	HSM Vol. 05 No. 1 Jan-Feb 1986	44
Don't Fake a Casting, Make a Casting: Metals for Casting – Part I	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 05 No. 1 Jan-Feb 1986	47
The Apprentice: The Workings of a Sine Bar – Part II	Robert A. Washburn	Shop Accessories	HSM Vol. 05 No. 1 Jan-Feb 1986	49
Cutting Bastard Threads on a Quick Change Lathe	E. T. Feller	Lathes	HSM Vol. 05 No. 1 Jan-Feb 1986	54
A Chuckboard	Robert Coleman	Lathes	HSM Vol. 05 No. 1 Jan-Feb 1986	55
Machine Shop Calculations: Gears – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 05 No. 1 Jan-Feb 1986	56
The Micro Machinist: Steam Engine – Part III	Rudy Kouhoupt	Engines	HSM Vol. 05 No. 1 Jan-Feb 1986	58
Shop Storage – Part II	Edward G. Hoffman	Miscellaneous	HSM Vol. 05 No. 1 Jan-Feb 1986	64
Product Review: Challenger Gage Block Set	Edward G. Hoffman	Hobby Community	HSM Vol. 05 No. 2 Mar-Apr 1986	10
Product Review: Westhoff Magna-Base	Edward G. Hoffman	Hobby Community	HSM Vol. 05 No. 2 Mar-Apr 1986	10
A Lathe Thread Cutting Stop	Richard B. Walker	Lathes	HSM Vol. 05 No. 2 Mar-Apr 1986	16
An Accurate Taper Attachment for Under \$5.00	J. O. Barbour, Jr.	Lathes	HSM Vol. 05 No. 2 Mar-Apr 1986	20
A Lathe Tool Setup Gage	John P. McDermott, Jr.	Lathes	HSM Vol. 05 No. 2 Mar-Apr 1986	23
A Twin-beam Trammel	Alberto Marx	Shop Accessories	HSM Vol. 05 No. 2 Mar-Apr 1986	27
Sky Charger – Part VIII	Robert A. Washburn	Engines	HSM Vol. 05 No. 2 Mar-Apr 1986	28
Drop Cord Caddy	Arthur Crow	Shop Accessories	HSM Vol. 05 No. 2 Mar-Apr 1986	31
10" Super Colossal Fly Cutter	Philip Duclos	Mills	HSM Vol. 05 No. 2 Mar-Apr 1986	32
From My Shop to Yours – Part I	Paul J. Holm	Lathes	HSM Vol. 05 No. 2 Mar-Apr 1986	34
Drilling Accurate Holes	Norman H. Bennett	General Machining Knowledge	HSM Vol. 05 No. 2 Mar-Apr 1986	37
A Multiple Tool Post for 6" Lathes	Carl A. Traub	Lathes	HSM Vol. 05 No. 2 Mar-Apr 1986	38
Some Facts on Dial Indicators	Ron Spokovich	Shop Accessories	HSM Vol. 05 No. 2 Mar-Apr 1986	40
Shrink and Expansion Fits	Daniel Devor	General Machining Knowledge	HSM Vol. 05 No. 2 Mar-Apr 1986	43
The Plastics Forum – Part I	Paul E. Selter, Sr.	Miscellaneous	HSM Vol. 05 No. 2 Mar-Apr 1986	44
Don't Fake a Casting, Make a Casting: Metals for Casting – Part II	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 05 No. 2 Mar-Apr 1986	47
The Apprentice: Keyways - Internal and External	Robert A. Washburn	General Machining Knowledge	HSM Vol. 05 No. 2 Mar-Apr 1986	50
The Micro Machinist: Fixed Steady Rest – Part I	Rudy Kouhoupt	Lathes	HSM Vol. 05 No. 2 Mar-Apr 1986	56
Machine Shop Calculations: Gears – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 05 No. 2 Mar-Apr 1986	58
Shop Storage – Part III	Edward G. Hoffman	Miscellaneous	HSM Vol. 05 No. 2 Mar-Apr 1986	64
Product Review: Mecanix L-150 Universal Machine Tool	Raymond D. Niergarth	Shop Machinery	HSM Vol. 05 No. 3 May-Jun 1986	12
Machine Shop Calculations: Gears – Part V	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 05 No. 3 May-Jun 1986	17

Book Review: How to Build Your Own Percussion Rifle or Pistc	Reid Coffield	General Machining Knowledge	HSM Vol. 05 No. 3 May-Jun 1986	20
Book Review: How to Build Your Own Wheellock Rifle or Pistc	Reid Coffield	General Machining Knowledge	HSM Vol. 05 No. 3 May-Jun 1986	20
How to Build Your Own Flintlock Rifle or Pistol - Georg	Lauber Reid Coffield	General Machining Knowledge	HSM Vol. 05 No. 3 May-Jun 1986	20
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 05 No. 3 May-Jun 1986	20
Q & A	Raymond D. Niergarth	General Machining Knowledge	HSM Vol. 05 No. 3 May-Jun 1986	20
Threading Dial Indicator for the Lathe	W. Pete Peterka	Lathes	HSM Vol. 05 No. 3 May-Jun 1986	22
The Installation of a ShopTronics Milling Machine DRO	Robert A. Washburn	Mills	HSM Vol. 05 No. 3 May-Jun 1986	24
40-Ton Hydraulic Arbor Press – Part I	Bruce Jones	Shop Machinery	HSM Vol. 05 No. 3 May-Jun 1986	28
Lathe Chuck Backstop	Theodore R. McDowell	Lathes	HSM Vol. 05 No. 3 May-Jun 1986	33
Sky Charger – Part IX	Robert A. Washburn	Engines	HSM Vol. 05 No. 3 May-Jun 1986	34
From My Shop to Yours – Part II	Paul J. Holm	Lathes	HSM Vol. 05 No. 3 May-Jun 1986	38
A Slow Speed Drill Press Attachment	Robert Coleman	Shop Machinery	HSM Vol. 05 No. 3 May-Jun 1986	42
A Rotary Welding Table	Jim Fleming	Welding/Foundry/Forging	HSM Vol. 05 No. 3 May-Jun 1986	45
Don't Fake a Casting, Make a Casting: Metals for Casting – Pa	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 05 No. 3 May-Jun 1986	46
From the Scrapbox: Improving Your Vertical Mill	Frank A. McLean	Mills	HSM Vol. 05 No. 3 May-Jun 1986	48
A Cutter Bit Grinding Block	W. Pete Peterka	Shop Accessories	HSM Vol. 05 No. 3 May-Jun 1986	54
The Micro Machinist: Fixed Steady Rest – Part II	Rudy Kouhoupt	Lathes	HSM Vol. 05 No. 3 May-Jun 1986	56
Shop Storage – Part IV	Edward G. Hoffman	Miscellaneous	HSM Vol. 05 No. 3 May-Jun 1986	64
Book Review: Gunsmith Kinks	Guy Lautard	Gunsmithing	HSM Vol. 05 No. 4 Jul-Aug 1986	13
Radius Turning Tool	Will Martin	Lathes	HSM Vol. 05 No. 4 Jul-Aug 1986	16
Spindle Nose Collet Chuck	William B. Park	Lathes	HSM Vol. 05 No. 4 Jul-Aug 1986	20
Scroll Saw	R. S. Hedin	Shop Machinery	HSM Vol. 05 No. 4 Jul-Aug 1986	23
Facing Thin Pieces	Alberto Marx	Lathes	HSM Vol. 05 No. 4 Jul-Aug 1986	30
Sky Charger – Part X	Robert A. Washburn	Engines	HSM Vol. 05 No. 4 Jul-Aug 1986	33
40-Ton Hydraulic Arbor Press – Part II	Bruce Jones	Shop Machinery	HSM Vol. 05 No. 4 Jul-Aug 1986	38
The Plastics Forum – Part II	Paul E. Selter, Sr.	Miscellaneous	HSM Vol. 05 No. 4 Jul-Aug 1986	42
Indexing on Small Lathes	William T. Roubal, Ph.D.	Lathes	HSM Vol. 05 No. 4 Jul-Aug 1986	46
Don't Fake a Casting, Make a Casting: Metals for Casting – Pa	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 05 No. 4 Jul-Aug 1986	48
From the Scrapbox: A Baseplate for a Dividing Head	Frank A. McLean	Shop Machinery	HSM Vol. 05 No. 4 Jul-Aug 1986	50
The Micro Machinist: Small Keyways and Keyseats – Part I	Rudy Kouhoupt	Mills	HSM Vol. 05 No. 4 Jul-Aug 1986	52
Study References for Novice Machinists	R. W. Evans	Hobby Community	HSM Vol. 05 No. 4 Jul-Aug 1986	56
Storage of Flammable Liquids – Part I	Edward G. Hoffman	Miscellaneous	HSM Vol. 05 No. 4 Jul-Aug 1986	64
Product Review: An Owner's Review of the Jet JVM-840	Stephen G. Wellcome	Hobby Community	HSM Vol. 05 No. 5 Sep-Oct 1986	12
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 05 No. 5 Sep-Oct 1986	15
Multi-Purpose Block	D. E. Johnson	Shop Accessories	HSM Vol. 05 No. 5 Sep-Oct 1986	21
Vernier Height Gage	Lewis Jenkins	Shop Accessories	HSM Vol. 05 No. 5 Sep-Oct 1986	25
Wiggler Bar and Test Bar	Edward G. Hoffman	Shop Accessories	HSM Vol. 05 No. 5 Sep-Oct 1986	26
Extend the Capacity of Your Milling Machine	Gary F. Reisdorf	Mills	HSM Vol. 05 No. 5 Sep-Oct 1986	28
Brass is Beautiful	Alberto Marx	General Machining Knowledge	HSM Vol. 05 No. 5 Sep-Oct 1986	31
Using Unimat SL Chucks and Collets	William T. Roubal, Ph.D.	Lathes	HSM Vol. 05 No. 5 Sep-Oct 1986	34
Sky Charger – Part XI	Robert A. Washburn	Engines	HSM Vol. 05 No. 5 Sep-Oct 1986	36
Table Covers and Tool Trays	Ed Kinderman	Lathes	HSM Vol. 05 No. 5 Sep-Oct 1986	41
Broaching With Your Lathe	Dan Jenkins	Lathes	HSM Vol. 05 No. 5 Sep-Oct 1986	42
Hobby Businesses	Mark E. Battersby	Hobby Community	HSM Vol. 05 No. 5 Sep-Oct 1986	44
Machine Shop Calculations: Gears – Part VII	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 05 No. 5 Sep-Oct 1986	46
Book Review: How to Build a Radial Arm Flame-cutter	Joe Rice	Hobby Community	HSM Vol. 05 No. 5 Sep-Oct 1986	48
Book Review: Student's Shop Reference Handbook	Joe Rice	Hobby Community	HSM Vol. 05 No. 5 Sep-Oct 1986	48
Don't Fake a Casting, Make a Casting: Metals for Casting – Pa	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 05 No. 5 Sep-Oct 1986	50
The Apprentice: The Dividing Head Revisited	Robert A. Washburn	Shop Machinery	HSM Vol. 05 No. 5 Sep-Oct 1986	52
From the Scrapbox: How to Replace the Damaged Thread on	Frank A. McLean	Lathes	HSM Vol. 05 No. 5 Sep-Oct 1986	56
The Micro Machinist: Small Keyways and Keyseats – Part II	Rudy Kouhoupt	Mills	HSM Vol. 05 No. 5 Sep-Oct 1986	57
Storage of Flammable Liquids – Part II	Edward G. Hoffman	Miscellaneous	HSM Vol. 05 No. 5 Sep-Oct 1986	64
Eliminate Headache Potential	Joseph P. Howard	Lathes	HSM Vol. 05 No. 6 Nov-Dec 1986	14
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 05 No. 6 Nov-Dec 1986	16
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 05 No. 6 Nov-Dec 1986	17
Machine Shop Calculations: Gears – Part VIII	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 05 No. 6 Nov-Dec 1986	18
Odds 'n Ends Hit 'n Miss Engine – Part I	Philip Duclos	Engines	HSM Vol. 05 No. 6 Nov-Dec 1986	22
Some Electric Motor Troubles	G. Alan Turner	Miscellaneous	HSM Vol. 05 No. 6 Nov-Dec 1986	29
Tom Senior and the Atlas Special – Part I	Harold Mason	Shop Machinery	HSM Vol. 05 No. 6 Nov-Dec 1986	32
The Plastics Forum – Part III	Paul E. Selter, Sr.	Miscellaneous	HSM Vol. 05 No. 6 Nov-Dec 1986	36
Quick Threading and Tapping in the Lathe	Mike Hoff	Lathes	HSM Vol. 05 No. 6 Nov-Dec 1986	38
Tooling for Unimat-type Drilling/Milling Machines	Theodore M. Clarke	Mills	HSM Vol. 05 No. 6 Nov-Dec 1986	43
Book Review: The Amateur's Lathe by L. H. Sparey	Reid Coffield	General Machining Knowledge	HSM Vol. 05 No. 6 Nov-Dec 1986	44
Book Review: The Machinist's Bedside Reader	Reid Coffield	Hobby Community	HSM Vol. 05 No. 6 Nov-Dec 1986	44
The Micro Machinist: Stocking Stuffers	Rudy Kouhoupt	Projects	HSM Vol. 05 No. 6 Nov-Dec 1986	45
Don't Fake a Casting, Make a Casting: Metals for Casting – Pa	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 05 No. 6 Nov-Dec 1986	48
Mail Order Customer Rights	Joe Rice	Hobby Community	HSM Vol. 05 No. 6 Nov-Dec 1986	51
From the Scapbox: Installing a Power Feed Unit on a Vertical	Frank A. McLean	Mills	HSM Vol. 05 No. 6 Nov-Dec 1986	52
The Apprentice: Usage for Gearing	Robert A. Washburn	General Machining Knowledge	HSM Vol. 05 No. 6 Nov-Dec 1986	55
Using Toxic Materials	Edward G. Hoffman	Miscellaneous	HSM Vol. 05 No. 6 Nov-Dec 1986	64
Product Review: Omni-Post Quick Change Toolpost	Edward G. Hoffman	Hobby Community	HSM Vol. 06 No. 1 Jan-Feb 1987	14
Book Review: The Basics of Firearms Engraving	Reid Coffield	Hobby Community	HSM Vol. 06 No. 1 Jan-Feb 1987	22
Q & A	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 06 No. 1 Jan-Feb 1987	23
Q & A	Rudy Kouhoupt	General Machining Knowledge	HSM Vol. 06 No. 1 Jan-Feb 1987	23
Q & A	Harry Bloom	General Machining Knowledge	HSM Vol. 06 No. 1 Jan-Feb 1987	24
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 1 Jan-Feb 1987	26
More Reconditioning a Lathe	Harry Bloom	Lathes	HSM Vol. 06 No. 1 Jan-Feb 1987	30
Freehand Twist Drill Sharpening	Joseph A. Drewniak	Miscellaneous	HSM Vol. 06 No. 1 Jan-Feb 1987	34
Tom Senior and the Atlas Special – Part II	Harold Mason	Shop Machinery	HSM Vol. 06 No. 1 Jan-Feb 1987	40
Odds 'n Ends Hit 'n Miss Engine – Part II	Philip Duclos	Engines	HSM Vol. 06 No. 1 Jan-Feb 1987	43

The Plastics Forum – Part IV	Paul E. Selter, Sr.	Miscellaneous	HSM Vol. 06 No. 1 Jan-Feb 1987	48
The Apprentice: A Mini-course in Orthographic Drawing Tech	Robert A. Washburn	General Machining Knowledge	HSM Vol. 06 No. 1 Jan-Feb 1987	50
The Micro Machinist: Time for an Overhaul – Part I	Rudy Kouhoup	Lathes	HSM Vol. 06 No. 1 Jan-Feb 1987	54
Don't Fake a Casting - Make a Casting: Making a Mold Using a	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 06 No. 1 Jan-Feb 1987	56
Personal Safety Equipment	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 1 Jan-Feb 1987	64
Product Review: Mitutoyo Tool Kit	Edward G. Hoffman	Hobby Community	HSM Vol. 06 No. 2 Mar-Apr 1987	12
Book Review: The Springfield M1903 Rifles	Guy Lautard	Hobby Community	HSM Vol. 06 No. 2 Mar-Apr 1987	13
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 2 Mar-Apr 1987	17
Q & A	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 06 No. 2 Mar-Apr 1987	20
Machining Aids for a Machine Lathe	James R. Lewis	Lathes	HSM Vol. 06 No. 2 Mar-Apr 1987	22
A Small Demagnetizer/Magnetizer	Franklin A. Longley	Miscellaneous	HSM Vol. 06 No. 2 Mar-Apr 1987	25
A Spindle Work Stop	Alberto Marx	Lathes	HSM Vol. 06 No. 2 Mar-Apr 1987	26
Collets for Your Lathe	Gary F. Reisdorf	Lathes	HSM Vol. 06 No. 2 Mar-Apr 1987	28
A Puzzle	Bill Reichart	Miscellaneous	HSM Vol. 06 No. 2 Mar-Apr 1987	32
The Plastics Forum – Part V	Paul E. Selter, Sr.	Miscellaneous	HSM Vol. 06 No. 2 Mar-Apr 1987	34
Odds 'n Ends Hit 'n Miss Engine – Part III	Philip Duclos	Engines	HSM Vol. 06 No. 2 Mar-Apr 1987	36
Cutter Bit Grinding Block	D. E. Johnson	Shop Accessories	HSM Vol. 06 No. 2 Mar-Apr 1987	44
The Apprentice: A Mini-course in Orthographic Drawing Tech	Robert A. Washburn	General Machining Knowledge	HSM Vol. 06 No. 2 Mar-Apr 1987	47
The Micro Machinist: Time for an Overhaul – Part II	Rudy Kouhoup	Lathes	HSM Vol. 06 No. 2 Mar-Apr 1987	53
From the Scrapbox: Machining Thin Plates on a Vertical Mill	Frank A. McLean	Mills	HSM Vol. 06 No. 2 Mar-Apr 1987	56
Personal Safety Habits	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 2 Mar-Apr 1987	64
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 3 May-Jun 1987	16
Q & A	Paul E. Selter, Sr.	General Machining Knowledge	HSM Vol. 06 No. 3 May-Jun 1987	19
Helical Springs – Part I	Kozo Hiraoka	Projects	HSM Vol. 06 No. 3 May-Jun 1987	20
Odds 'n Ends Hit 'n Miss Engine – Part IV	Philip Duclos	Engines	HSM Vol. 06 No. 3 May-Jun 1987	26
Pipeline to Prosperity	Michael Brown	Miscellaneous	HSM Vol. 06 No. 3 May-Jun 1987	32
Watch Repair in the Home Machine Shop	William T. Roubal, Ph.D.	Miscellaneous	HSM Vol. 06 No. 3 May-Jun 1987	37
Shop of the Month	Larry Goddard	Hobby Community	HSM Vol. 06 No. 3 May-Jun 1987	41
The Apprentice: A Mini-course in Orthographic Drawing Tech	Robert A. Washburn	General Machining Knowledge	HSM Vol. 06 No. 3 May-Jun 1987	42
Making an Angle Plate in the Lathe	Clifford H. Hancock	Lathes	HSM Vol. 06 No. 3 May-Jun 1987	45
The Micro Machinist: Time for an Overhaul – Part III	Rudy Kouhoup	Lathes	HSM Vol. 06 No. 3 May-Jun 1987	46
Don't Fake a Casting - Make a Casting: Cuttlebone Casting	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 06 No. 3 May-Jun 1987	48
Machine Guards	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 3 May-Jun 1987	64
Product Review: Optical Locator	Joe Rice	Hobby Community	HSM Vol. 06 No. 4 Jul-Aug 1987	11
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 4 Jul-Aug 1987	18
A Machinist's Desk Lamp – Part I	Guy Lautard	Shop Accessories	HSM Vol. 06 No. 4 Jul-Aug 1987	22
Helical Springs – Part II	Kozo Hiraoka	Projects	HSM Vol. 06 No. 4 Jul-Aug 1987	30
Odds 'n Ends Hit 'n Miss Engine – Part V	Philip Duclos	Engines	HSM Vol. 06 No. 4 Jul-Aug 1987	33
Of Auctions and Industrial Sales	Richard B. Walker	Hobby Community	HSM Vol. 06 No. 4 Jul-Aug 1987	36
A Vise for Small Parts	Ed Dubosky	Shop Accessories	HSM Vol. 06 No. 4 Jul-Aug 1987	42
Electric Motors	Robert W. Lamparter	Miscellaneous	HSM Vol. 06 No. 4 Jul-Aug 1987	47
Improved Atlas 6" Lathe Gear Cover	C. M. Luchessa	Lathes	HSM Vol. 06 No. 4 Jul-Aug 1987	52
The Apprentice: A Mini-course in Orthographic Drawing Tech	Robert A. Washburn	General Machining Knowledge	HSM Vol. 06 No. 4 Jul-Aug 1987	54
From the Scrapbox: Protect Your Mill from Shavings	Frank A. McLean	Mills	HSM Vol. 06 No. 4 Jul-Aug 1987	56
The Micro Machinist: Building a Rotary Table – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 06 No. 4 Jul-Aug 1987	57
Using Chisels and Punches	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 4 Jul-Aug 1987	64
Q & A	Harry Bloom	General Machining Knowledge	HSM Vol. 06 No. 5 Sep-Oct 1987	14
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 5 Sep-Oct 1987	17
"Floating" End Mill Sharpener – Part I	Philip Duclos	Shop Machinery	HSM Vol. 06 No. 5 Sep-Oct 1987	20
A Power Quill Feed Attachment	P. Dworzan	Mills	HSM Vol. 06 No. 5 Sep-Oct 1987	25
The Extremes of Space – Part I	Bill Davidson	Miscellaneous	HSM Vol. 06 No. 5 Sep-Oct 1987	28
Centering Guide	John Opfer, Jr.	Lathes	HSM Vol. 06 No. 5 Sep-Oct 1987	32
A Machinist's Desk Lamp – Part II	Guy Lautard	Shop Accessories	HSM Vol. 06 No. 5 Sep-Oct 1987	34
Blueing Steel	Guy Lautard	General Machining Knowledge	HSM Vol. 06 No. 5 Sep-Oct 1987	41
Don't Fake a Casting - Make a Casting: Investment Casting – P	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 06 No. 5 Sep-Oct 1987	44
From the Scrapbox: Lighting Your Vertical Mill	Frank A. McLean	Shop Accessories	HSM Vol. 06 No. 5 Sep-Oct 1987	49
The Apprentice: Building a Cabinet for Your Sandblaster	Robert A. Washburn	Projects	HSM Vol. 06 No. 5 Sep-Oct 1987	50
The Art of Soldering	Donald Hunt	Welding/Foundry/Forging	HSM Vol. 06 No. 5 Sep-Oct 1987	56
The Micro Machinist: Building a Rotary Table – Part II	Rudy Kouhoup	Shop Accessories	HSM Vol. 06 No. 5 Sep-Oct 1987	58
Using Wrenches and Screwdrivers	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 5 Sep-Oct 1987	64
Q & A	Tim Smith	General Machining Knowledge	HSM Vol. 06 No. 6 Nov-Dec 1987	17
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 6 Nov-Dec 1987	19
A Bit of Inspiration - A View Camera	D. W. Holen	Projects	HSM Vol. 06 No. 6 Nov-Dec 1987	22
How to Deal with Cranks and Eccentrics	Dan Jenkins	General Machining Knowledge	HSM Vol. 06 No. 6 Nov-Dec 1987	24
Patterns and Molding Procedure – Part I	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 06 No. 6 Nov-Dec 1987	30
"Floating" End Mill Sharpener – Part II	Philip Duclos	Shop Machinery	HSM Vol. 06 No. 6 Nov-Dec 1987	38
The Extremes of Space – Part II	Bill Davidson	Miscellaneous	HSM Vol. 06 No. 6 Nov-Dec 1987	46
Measurement for Taper Turning	E. T. Feller	Lathes	HSM Vol. 06 No. 6 Nov-Dec 1987	50
Sharpening Small Drills	Trevor Robinson	Miscellaneous	HSM Vol. 06 No. 6 Nov-Dec 1987	51
Simple Centering Gage	Robert Norman	Shop Accessories	HSM Vol. 06 No. 6 Nov-Dec 1987	52
Don't Fake a Casting - Make a Casting: Investment Casting – P	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 06 No. 6 Nov-Dec 1987	53
The Apprentice: The Surface Grinder – Part I	Robert A. Washburn	Shop Machinery	HSM Vol. 06 No. 6 Nov-Dec 1987	56
Cutting a Thin Gear	O. J. Dewberry	Miscellaneous	HSM Vol. 06 No. 6 Nov-Dec 1987	58
From the Scrapbox: Repairing and Old Lathe	Frank A. McLean	Lathes	HSM Vol. 06 No. 6 Nov-Dec 1987	59
The Micro Machinist: Building a Rotary Table – Part III	Rudy Kouhoup	Machining Accessories	HSM Vol. 06 No. 6 Nov-Dec 1987	62
Using Hand Hacksaws	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 06 No. 6 Nov-Dec 1987	68
Product Review: Fu San 8" Metal Lathe	Edward H. Scott	Hobby Community	HSM Vol. 07 No. 1 Jan-Feb 1988	14
A Bit of Inspiration: Sculpting with Plastics	Norman J. Mercer	Miscellaneous	HSM Vol. 07 No. 1 Jan-Feb 1988	16
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 1 Jan-Feb 1988	17
Metric-Decimal Equivalents and Tap Drill Sizes	William J. Alles, Jr.	General Machining Knowledge	HSM Vol. 07 No. 1 Jan-Feb 1988	19

A Sensitive Level	Howard Kelly	Shop Accessories	HSM Vol. 07 No. 1 Jan-Feb 1988	20
Protect Your Shop from Voltage Spikes	Lou Hinshaw	Miscellaneous	HSM Vol. 07 No. 1 Jan-Feb 1988	28
Patterns and Molding Procedure – Part II	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 07 No. 1 Jan-Feb 1988	30
Grinding and Lapping With Diamond	James Hesse	Miscellaneous	HSM Vol. 07 No. 1 Jan-Feb 1988	36
A Plastic Dip Pot	Charlie Dondro	Shop Accessories	HSM Vol. 07 No. 1 Jan-Feb 1988	40
Don't Fake a Casting - Make a Casting: Investment Casting – Part I	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 07 No. 1 Jan-Feb 1988	44
From the Scrapbox: Homemade Arbors	Frank A. McLean	Mills	HSM Vol. 07 No. 1 Jan-Feb 1988	48
The Apprentice: The Surface Grinder – Part II	Robert A. Washburn	Shop Machinery	HSM Vol. 07 No. 1 Jan-Feb 1988	51
The Micro Machinist: Fly Cutter and Angle Plate	Rudy Kouhoupt	Shop Accessories	HSM Vol. 07 No. 1 Jan-Feb 1988	54
Using Hand Files and Squares	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 1 Jan-Feb 1988	64
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 2 Mar-Apr 1988	16
A Camera-Tripod Attachment	Alberto Marx	Projects	HSM Vol. 07 No. 2 Mar-Apr 1988	20
A Small Melt Furnace	Bill Roy	Welding/Foundry/Forging	HSM Vol. 07 No. 2 Mar-Apr 1988	22
Multi-Stand	Jeff Bertrand	Shop Accessories	HSM Vol. 07 No. 2 Mar-Apr 1988	25
A Mill-Drill Stand	Lawrence L. Dullum	Mills	HSM Vol. 07 No. 2 Mar-Apr 1988	28
The Minton Milling Machine	E. T. Feller	Mills	HSM Vol. 07 No. 2 Mar-Apr 1988	32
Handy Deburring Tool	Bruce Jones	Shop Accessories	HSM Vol. 07 No. 2 Mar-Apr 1988	34
Reducing Tap Breakage	D. E. Johnson	General Machining Knowledge	HSM Vol. 07 No. 2 Mar-Apr 1988	37
Patterns and Molding Procedure – Part III	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 07 No. 2 Mar-Apr 1988	40
Don't Fake a Casting - Make a Casting: Investment Casting – Part II	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 07 No. 2 Mar-Apr 1988	42
From the Scrapbox: Comments on My Shop	Frank A. McLean	Miscellaneous	HSM Vol. 07 No. 2 Mar-Apr 1988	46
The Apprentice: The Surface Grinder – Part III	Robert A. Washburn	Shop Machinery	HSM Vol. 07 No. 2 Mar-Apr 1988	48
The Micro Machinist: A Micrometer Faceplate Attachment – Part I	Rudy Kouhoupt	Lathes	HSM Vol. 07 No. 2 Mar-Apr 1988	50
One-evening Projects	Walter C. Runge	Projects	HSM Vol. 07 No. 2 Mar-Apr 1988	54
Using Layout Tools	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 2 Mar-Apr 1988	64
A Bit of Inspiration: Miniature Machine Shop	Sid Procknow	Miscellaneous	HSM Vol. 07 No. 3 May-Jun 1988	14
Machine Shop Calculations: Dimensions & Tolerances – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 3 May-Jun 1988	16
Economical Large-Hole Drilling	Richard B. Walker	Mills	HSM Vol. 07 No. 3 May-Jun 1988	18
Model Piston Rings	Philip Duclos	Engines	HSM Vol. 07 No. 3 May-Jun 1988	20
A New Cutoff Tool	F. Burrows Esty	Lathes	HSM Vol. 07 No. 3 May-Jun 1988	23
Tool Plate	Stephen Vitkovits, Jr.	Shop Accessories	HSM Vol. 07 No. 3 May-Jun 1988	25
Two-Sphere Gage	Theodore M. Clarke	Shop Accessories	HSM Vol. 07 No. 3 May-Jun 1988	26
Two Accessories for the Atlas 12" Lathe	John F. Ernest	Lathes	HSM Vol. 07 No. 3 May-Jun 1988	28
More Inspiration – Part II	John W. Oder	Engines	HSM Vol. 07 No. 3 May-Jun 1988	31
A Feed Lever for a 10-K	Norman H. Bennett	Lathes	HSM Vol. 07 No. 3 May-Jun 1988	34
Compound Rest Lock	Alberto Marx	Lathes	HSM Vol. 07 No. 3 May-Jun 1988	35
Patterns and Molding Procedure – Part IV	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 07 No. 3 May-Jun 1988	36
The Micro Machinist: A Micrometer Faceplate Attachment – Part II	Rudy Kouhoupt	Lathes	HSM Vol. 07 No. 3 May-Jun 1988	39
The \$5.00 Taper Jig Revisited	John Olson	General Machining Knowledge	HSM Vol. 07 No. 3 May-Jun 1988	42
From the Scrapbox: A New Rotary Table	Frank A. McLean	Shop Machinery	HSM Vol. 07 No. 3 May-Jun 1988	43
Don't Fake a Casting - Make a Casting: Investment Casting – Part III	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 07 No. 3 May-Jun 1988	46
The Apprentice: The Surface Grinder – Part IV	Robert A. Washburn	Shop Machinery	HSM Vol. 07 No. 3 May-Jun 1988	52
Using Hammers	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 3 May-Jun 1988	64
Getting With the Program	Thomas F. Howard	Computers	HSM Vol. 07 No. 4 Jul-Aug 1988	16
Machine Shop Calculations: Dimensions & Tolerances – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 4 Jul-Aug 1988	17
Whatzit Engine – Part I	Philip Duclos	Engines	HSM Vol. 07 No. 4 Jul-Aug 1988	20
Don't Fake a Casting - Make a Casting: Making Identical Patterns	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 07 No. 4 Jul-Aug 1988	27
More Inspiration – Part III	John W. Oder	Engines	HSM Vol. 07 No. 4 Jul-Aug 1988	30
The Micro Machinist: Lever Operated Tailstock – Part I	Rudy Kouhoupt	Lathes	HSM Vol. 07 No. 4 Jul-Aug 1988	34
Diamond Tool Efficiency	Frederick Oginz	Miscellaneous	HSM Vol. 07 No. 4 Jul-Aug 1988	37
Patterns and Molding Procedure – Part V	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 07 No. 4 Jul-Aug 1988	38
Osborne's Four Steps to Center	L. C. Melton	General Machining Knowledge	HSM Vol. 07 No. 4 Jul-Aug 1988	42
The Apprentice: Using a Vertical Band Saw – Part I	Robert A. Washburn	Shop Machinery	HSM Vol. 07 No. 4 Jul-Aug 1988	44
From the Scrapbox: A Micrometer Stop Nut	Frank A. McLean	Mills	HSM Vol. 07 No. 4 Jul-Aug 1988	46
An Assist from the Forge	Clifford H. Hancock	Welding/Foundry/Forging	HSM Vol. 07 No. 4 Jul-Aug 1988	50
Cutting Torch Contour Guide	Carlyle Lynch	Shop Accessories	HSM Vol. 07 No. 4 Jul-Aug 1988	55
Using Taps and Dies – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 4 Jul-Aug 1988	64
Product Review: TRIM Computer	Edward G. Hoffman	Hobby Community	HSM Vol. 07 No. 5 Sep-Oct 1988	11
Machine Shop Calculations: Dimensions & Tolerances – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 5 Sep-Oct 1988	15
Whatzit Engine – Part II	Philip Duclos	Engines	HSM Vol. 07 No. 5 Sep-Oct 1988	18
Lathe Carriage Dial Indicator	Allen Gregg	Lathes	HSM Vol. 07 No. 5 Sep-Oct 1988	28
A Center-mounted Drill	Roger R. McHenry	Lathes	HSM Vol. 07 No. 5 Sep-Oct 1988	30
Buying Used Machine Tools	Robert L. Grady	Miscellaneous	HSM Vol. 07 No. 5 Sep-Oct 1988	32
More Inspiration – Part IV	John W. Oder	Engines	HSM Vol. 07 No. 5 Sep-Oct 1988	35
Patterns and Molding Procedure – Part VI	Dave Gingery	Welding/Foundry/Forging	HSM Vol. 07 No. 5 Sep-Oct 1988	37
A Special Breed	J. O. Barbour, Jr.	Hobby Community	HSM Vol. 07 No. 5 Sep-Oct 1988	40
The Micro Machinist: Lever Operated Tailstock – Part II	Rudy Kouhoupt	Lathes	HSM Vol. 07 No. 5 Sep-Oct 1988	42
The Apprentice: Using a Vertical Band Saw – Part II	Robert A. Washburn	Shop Machinery	HSM Vol. 07 No. 5 Sep-Oct 1988	46
Gear Driven Shapers	Gary F. Reisdorf	Shop Machinery	HSM Vol. 07 No. 5 Sep-Oct 1988	48
Don't Fake a Casting - Make a Casting: Making Identical Patterns	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 07 No. 5 Sep-Oct 1988	49
From the Scrapbox: Drilling with Accuracy	Frank A. McLean	Shop Machinery	HSM Vol. 07 No. 5 Sep-Oct 1988	54
Shop Gadget Clears the Air	Arthur Crow	Shop Accessories	HSM Vol. 07 No. 5 Sep-Oct 1988	57
Using Taps and Dies – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 5 Sep-Oct 1988	64
Machine Shop Calculations: Dimensions & Tolerances – Part V	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 6 Nov-Dec 1988	18
Model Maker's Dividing Head – Part I	Philip Duclos	Shop Accessories	HSM Vol. 07 No. 6 Nov-Dec 1988	20
Converting a Lathe to Cut Metric Threads	W. A. Lincoln	Lathes	HSM Vol. 07 No. 6 Nov-Dec 1988	30
Small Hole Saws	Robert S. Hedin	Shop Accessories	HSM Vol. 07 No. 6 Nov-Dec 1988	36
More Inspiration – Part V	John W. Oder	Engines	HSM Vol. 07 No. 6 Nov-Dec 1988	38
Drilling Steam Passages and Tangents	Kenneth R. Haslam	General Machining Knowledge	HSM Vol. 07 No. 6 Nov-Dec 1988	40
The Apprentice - Using a Vertical Band Saw – Part III	Robert A. Washburn	Machine Tools	HSM Vol. 07 No. 6 Nov-Dec 1988	43

The Apprentice: Using a Vertical Band Saw – Part III	Robert A. Washburn	Shop Machinery	HSM Vol. 07 No. 6 Nov-Dec 1988	43
From the Scrapbox: Shortcuts to Making an Arbor	Frank A. McLean	Shop Accessories	HSM Vol. 07 No. 6 Nov-Dec 1988	46
The Micro Machinist: Tooling for a Vertical Mill – Part I	Rudy Kouhoup	Mills	HSM Vol. 07 No. 6 Nov-Dec 1988	48
Don't Fake a Casting - Make a Casting: Making Identical Parts	James R. Lewis	Welding/Foundry/Forging	HSM Vol. 07 No. 6 Nov-Dec 1988	52
Century-Old Lathe Back at Work	Carl Holkeboer	Lathes	HSM Vol. 07 No. 6 Nov-Dec 1988	56
Common Hardware – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 07 No. 6 Nov-Dec 1988	64
Product Review: Royal Clamping System	Edward G. Hoffman	Hobby Community	HSM Vol. 08 No. 1 Jan-Feb 1989	14
Machine Shop Calculations: Dimensions & Tolerances – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 1 Jan-Feb 1989	16
A Slide Duplicating & Macro Photographic Apparatus	Richard M. Park	Miscellaneous	HSM Vol. 08 No. 1 Jan-Feb 1989	20
Home Shop Metal Melter – Part I	John F. Pilznienski	Welding/Foundry/Forging	HSM Vol. 08 No. 1 Jan-Feb 1989	24
Model Maker's Dividing Head – Part II	Philip Duclos	Shop Accessories	HSM Vol. 08 No. 1 Jan-Feb 1989	30
\$100 Digital Readout	Dick Hanley	Shop Accessories	HSM Vol. 08 No. 1 Jan-Feb 1989	39
More Inspiration – Part VI	John W. Oder	Engines	HSM Vol. 08 No. 1 Jan-Feb 1989	42
The Mirror-faced Hammer	Steve Acker	Miscellaneous	HSM Vol. 08 No. 1 Jan-Feb 1989	44
Carriage Multi-stop	Ed Dubosky	Lathes	HSM Vol. 08 No. 1 Jan-Feb 1989	46
The Micro Machinist: Tooling for a Vertical Mill – Part II	Rudy Kouhoup	Mills	HSM Vol. 08 No. 1 Jan-Feb 1989	50
Single Point Cutting	Theodore M. Clarke	Lathes	HSM Vol. 08 No. 1 Jan-Feb 1989	53
From the Scrapbox: Drilling Center Holes Accurately	Frank A. McLean	General Machining Knowledge	HSM Vol. 08 No. 1 Jan-Feb 1989	56
Safety Tips: Common Hardware – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 1 Jan-Feb 1989	64
Product Review: Mitee-Bite Clamping System	Edward G. Hoffman	Hobby Community	HSM Vol. 08 No. 2 Mar-Apr 1989	16
Machine Shop Calculations: Dimensions & Tolerances – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 2 Mar-Apr 1989	18
Sentinel	Duane Dehnicke	Projects	HSM Vol. 08 No. 2 Mar-Apr 1989	20
From Steam Arm to Elgamill	Harold Mason	Miscellaneous	HSM Vol. 08 No. 2 Mar-Apr 1989	22
Building the Panther Pup: Part I - Introduction and Materials	J. W. (Bill) Reichart	Engines	HSM Vol. 08 No. 2 Mar-Apr 1989	30
Two Steps to Center	Jon H. Holtham	General Machining Knowledge	HSM Vol. 08 No. 2 Mar-Apr 1989	38
Model Maker's Dividing Head – Part III	Philip Duclos	Shop Accessories	HSM Vol. 08 No. 2 Mar-Apr 1989	41
Home Shop Metal Melter – Part II	John F. Pilznienski	Welding/Foundry/Forging	HSM Vol. 08 No. 2 Mar-Apr 1989	46
Machine Cutting Speeds	Frank Stokes	General Machining Knowledge	HSM Vol. 08 No. 2 Mar-Apr 1989	50
From the Scrapbox: A Grinding Bench	Frank A. McLean	Shop Accessories	HSM Vol. 08 No. 2 Mar-Apr 1989	51
The Apprentice: The Gear Head Engine Lathe – Part I	Robert A. Washburn	Lathes	HSM Vol. 08 No. 2 Mar-Apr 1989	52
The Micro Machinist: Tooling for a Vertical Mill – Part III	Rudy Kouhoup	Mills	HSM Vol. 08 No. 2 Mar-Apr 1989	54
Safety Tips: Common Hardware – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 2 Mar-Apr 1989	64
Product Review: Loc-Line Modular Hose System	Edward G. Hoffman	Hobby Community	HSM Vol. 08 No. 3 May-Jun 1989	14
Machine Shop Calculations: Dimensions & Tolerances – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 3 May-Jun 1989	17
Home Shop Metal Melter – Part III	John F. Pilznienski	Welding/Foundry/Forging	HSM Vol. 08 No. 3 May-Jun 1989	27
Building the Panther Pup: Part II - Patterns and Connecting Rods	J. W. (Bill) Reichart	Engines	HSM Vol. 08 No. 3 May-Jun 1989	32
Gear Repair	Gary F. Reisdorf	Miscellaneous	HSM Vol. 08 No. 3 May-Jun 1989	38
Repeatable Quick-Change Tool Holder	Arden A. Schroeder	Lathes	HSM Vol. 08 No. 3 May-Jun 1989	40
The Color of Steel	G. Robert Massey	General Machining Knowledge	HSM Vol. 08 No. 3 May-Jun 1989	43
A Self-Contained Cutter Grinder	John Crunkleton	Shop Machinery	HSM Vol. 08 No. 3 May-Jun 1989	44
The Micro Machinist: A Lathe Milling Adaptation – Part I	Rudy Kouhoup	Lathes	HSM Vol. 08 No. 3 May-Jun 1989	47
From the Scrapbox: A Depth Gage Attachment	Frank A. McLean	Shop Accessories	HSM Vol. 08 No. 3 May-Jun 1989	50
The Apprentice: The Gear Head Engine Lathe – Part II	Robert A. Washburn	Lathes	HSM Vol. 08 No. 3 May-Jun 1989	52
Using Carbide Turning Tools	F. Burrows Esty	Lathes	HSM Vol. 08 No. 3 May-Jun 1989	57
Safety Tips: Common Hardware – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 3 May-Jun 1989	64
Q & A	Harry Bloom	General Machining Knowledge	HSM Vol. 08 No. 4 Jul-Aug 1989	13
Machine Shop Calculations: Dimensions & Tolerances – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 4 Jul-Aug 1989	14
A Lathe Cabinet/Stand	Ralph T. Walker	Lathes	HSM Vol. 08 No. 4 Jul-Aug 1989	18
Renewing Half Nuts	Harry Bloom	Lathes	HSM Vol. 08 No. 4 Jul-Aug 1989	25
Building the Panther Pup: Part III - Crankshaft, Piston, and Cylinders	J. W. (Bill) Reichart	Engines	HSM Vol. 08 No. 4 Jul-Aug 1989	28
Home Shop Metal Melter – Part IV	John F. Pilznienski	Welding/Foundry/Forging	HSM Vol. 08 No. 4 Jul-Aug 1989	36
A Generic Crane	Dennis K. Wence	Shop Accessories	HSM Vol. 08 No. 4 Jul-Aug 1989	40
Tap Wrenches from Scrap	Steve Acker	Miscellaneous	HSM Vol. 08 No. 4 Jul-Aug 1989	44
The Apprentice: The Gear Head Engine Lathe – Part III	Robert A. Washburn	Lathes	HSM Vol. 08 No. 4 Jul-Aug 1989	47
Restoring a Transit	G. S. Dow	Projects	HSM Vol. 08 No. 4 Jul-Aug 1989	49
Introduction to Jigs and Fixtures	Edward G. Hoffman	Shop Accessories	HSM Vol. 08 No. 4 Jul-Aug 1989	52
From the Scrapbox: A Carbide End Mill	Frank A. McLean	Mills	HSM Vol. 08 No. 4 Jul-Aug 1989	54
The Micro Machinist: A Lathe Milling Adaptation – Part II	Rudy Kouhoup	Lathes	HSM Vol. 08 No. 4 Jul-Aug 1989	56
Product Review: Westhoff Mighty Mag	Edward G. Hoffman	Hobby Community	HSM Vol. 08 No. 4 Jul-Aug 1989	64
Product Review: The Manupress	Frank A. McLean	General Machining Knowledge	HSM Vol. 08 No. 5 Sep-Oct 1989	17
Product Review: Accu-Finish II Precision Tool Sharpener	Edward G. Hoffman	Hobby Community	HSM Vol. 08 No. 5 Sep-Oct 1989	20
Machine Shop Calculations: Right Triangles – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 5 Sep-Oct 1989	22
A Brass Kaleidoscope	Guy Lautard	Projects	HSM Vol. 08 No. 5 Sep-Oct 1989	24
Home Shop Metal Melter – Part V	John F. Pilznienski	Welding/Foundry/Forging	HSM Vol. 08 No. 5 Sep-Oct 1989	27
Building the Panther Pup: Part IV - Rocker Arms, Valves, and Cams	J. W. (Bill) Reichart	Engines	HSM Vol. 08 No. 5 Sep-Oct 1989	34
Auxiliary Outboard Motor Bracket	William F. Green	Projects	HSM Vol. 08 No. 5 Sep-Oct 1989	41
Degassing Molten Aluminum	Philip Duclos	Welding/Foundry/Forging	HSM Vol. 08 No. 5 Sep-Oct 1989	44
Boring Bar and Tool Holder for Compact 5	Jack W. Rasnick	Lathes	HSM Vol. 08 No. 5 Sep-Oct 1989	46
Basics of Locating – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 5 Sep-Oct 1989	50
The Micro Machinist: A Lathe Milling Adaptation – Part III	Rudy Kouhoup	Lathes	HSM Vol. 08 No. 5 Sep-Oct 1989	52
Computers in the Shop: Introduction	Roland W. Friestad	Computers	HSM Vol. 08 No. 5 Sep-Oct 1989	56
Product Review: Huron Workholding System	Edward G. Hoffman	Hobby Community	HSM Vol. 08 No. 6 Nov-Dec 1989	16
Machine Shop Calculations: Right Triangles – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 6 Nov-Dec 1989	18
Making the Lathe Safer	Jim Jedlicka	Lathes	HSM Vol. 08 No. 6 Nov-Dec 1989	20
Accurate Quill Depth Control for Mill/Drills	John A. Bodmer	Mills	HSM Vol. 08 No. 6 Nov-Dec 1989	24
Bench Block	Steve Acker	Shop Accessories	HSM Vol. 08 No. 6 Nov-Dec 1989	29
Building the Panther Pup: Part V - Cams	J. W. (Bill) Reichart	Engines	HSM Vol. 08 No. 6 Nov-Dec 1989	34
Lathe Cutting Internal Keyways	Richard B. Walker	Lathes	HSM Vol. 08 No. 6 Nov-Dec 1989	40
Computers in the Shop: Basic Principles	Roland W. Friestad	Computers	HSM Vol. 08 No. 6 Nov-Dec 1989	43
The Micro Machinist: Tool Post Boring Bars – Part I	Rudy Kouhoup	Lathes	HSM Vol. 08 No. 6 Nov-Dec 1989	48

Basics of Locating – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 08 No. 6 Nov-Dec 1989	52
Tooling for the Micro Machinist	James Sprott	Shop Accessories	HSM Vol. 08 No. 6 Nov-Dec 1989	54
Otis Makes an Accurate Final Cut	L. C. Melton	Lathes	HSM Vol. 08 No. 6 Nov-Dec 1989	57
Product Review: Two New Twist Drills	Jim Jedlicka	Miscellaneous	HSM Vol. 09 No. 1 Jan-Feb 1990	15
Product Review: Shop Math Computer	Edward G. Hoffman	Miscellaneous	HSM Vol. 09 No. 1 Jan-Feb 1990	18
Machine Shop Calculations: Right Triangles – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 1 Jan-Feb 1990	20
A Larger Steady Rest	Glenn L. Wilson	Lathes	HSM Vol. 09 No. 1 Jan-Feb 1990	24
Lathe Operations on a Vertical Mill – Part I	Stephen M. Thomas	Mills	HSM Vol. 09 No. 1 Jan-Feb 1990	29
Smallest Hit & Miss Gas Engine?	Philip Duclos	Engines	HSM Vol. 09 No. 1 Jan-Feb 1990	34
Building the Panther Pup: Part VI	J. W. (Bill) Reichart	Engines	HSM Vol. 09 No. 1 Jan-Feb 1990	38
Computers in the Shop: More on Programming Principles	Roland W. Friestad	Computers	HSM Vol. 09 No. 1 Jan-Feb 1990	44
From the Scrapbox: A Toolmaker's Flat Vise	Frank A. McLean	Shop Accessories	HSM Vol. 09 No. 1 Jan-Feb 1990	52
Basics of Locating – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 1 Jan-Feb 1990	54
The Micro Machinist: Boring Bar Cutters and Turning Tools – I	Rudy Kouhoup	Lathes	HSM Vol. 09 No. 1 Jan-Feb 1990	57
Small T-slot Nuts	John D. Williams	Miscellaneous	HSM Vol. 09 No. 1 Jan-Feb 1990	59
Machine Shop Calculations: Shop Measurements – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 2 Mar-Apr 1990	17
Six-cycle Oddball Engine – Part I	Philip Duclos	Engines	HSM Vol. 09 No. 2 Mar-Apr 1990	20
Building the Panther Pup: Part VII	J. W. (Bill) Reichart	Engines	HSM Vol. 09 No. 2 Mar-Apr 1990	28
Lathe Operations on a Vertical Mill – Part II	Stephen M. Thomas	Mills	HSM Vol. 09 No. 2 Mar-Apr 1990	33
Tax-deductible Home Shop	Mark E. Battersby	Hobby Community	HSM Vol. 09 No. 2 Mar-Apr 1990	38
From the Scrapbox: A Band Saw Slow Speed Attachment – Pa	Frank A. McLean	Shop Machinery	HSM Vol. 09 No. 2 Mar-Apr 1990	40
Computers in the Shop: Convert Your Mill-drill to CNC – Part I	Roland W. Friestad	Computers	HSM Vol. 09 No. 2 Mar-Apr 1990	46
A Mill/Drill Stand	Gerard Mulholland	Shop Accessories	HSM Vol. 09 No. 2 Mar-Apr 1990	51
Basics of Locating – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 2 Mar-Apr 1990	52
Surface Grinding on the Drill Press	Ray E. Starnes	Shop Machinery	HSM Vol. 09 No. 2 Mar-Apr 1990	54
Book Review: Advanced Telescope Making Techniques	Guy Lautard	Hobby Community	HSM Vol. 09 No. 3 May-Jun 1990	13
Product Review: Rovi Expanding Mini Collets	Edward G. Hoffman	Miscellaneous	HSM Vol. 09 No. 3 May-Jun 1990	16
Product Review: Snap Jaws	Guy Lautard	Miscellaneous	HSM Vol. 09 No. 3 May-Jun 1990	18
Q & A	Harry Bloom	General Machining Knowledge	HSM Vol. 09 No. 3 May-Jun 1990	19
Machine Shop Calculations: Shop Measurements – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 3 May-Jun 1990	20
Topics in Micromachining – Part I	William T. Roubal, Ph.D.	General Machining Knowledge	HSM Vol. 09 No. 3 May-Jun 1990	22
Six-cycle Oddball Engine – Part II	Philip Duclos	Engines	HSM Vol. 09 No. 3 May-Jun 1990	26
Building the Panther Pup: Part VIII	J. W. (Bill) Reichart	Engines	HSM Vol. 09 No. 3 May-Jun 1990	31
Density, Volume, Dimensions = Weight	L. C. Melton	General Machining Knowledge	HSM Vol. 09 No. 3 May-Jun 1990	38
The Micro Machinist: A Grinding Rest for Precise Tools – Part	Rudy Kouhoup	Shop Accessories	HSM Vol. 09 No. 3 May-Jun 1990	40
From the Scrapbox: A Band Saw Slow Speed Attachment – Pa	Frank A. McLean	Shop Machinery	HSM Vol. 09 No. 3 May-Jun 1990	43
Computers in the Shop: Convert Your Mill-drill to CNC – Part I	Roland W. Friestad	Computers	HSM Vol. 09 No. 3 May-Jun 1990	50
Basics of Locating – Part V	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 3 May-Jun 1990	57
Machine Shop Calculations: Shop Measurements – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 4 Jul-Aug 1990	16
Band Saw Transmission	Richard S. Torgerson	Shop Machinery	HSM Vol. 09 No. 4 Jul-Aug 1990	18
Topics in Micromachining – Part II	William T. Roubal, Ph.D.	General Machining Knowledge	HSM Vol. 09 No. 4 Jul-Aug 1990	23
A Tapping Guide for a Unimat	Leroy J. Nessen	Lathes	HSM Vol. 09 No. 4 Jul-Aug 1990	27
Accessories for a Rotary Table – Part I	J. W. Straight	Shop Accessories	HSM Vol. 09 No. 4 Jul-Aug 1990	28
Soft Vise Jaws	James Madison	Shop Accessories	HSM Vol. 09 No. 4 Jul-Aug 1990	32
Six-cycle Oddball Engine – Part III	Philip Duclos	Engines	HSM Vol. 09 No. 4 Jul-Aug 1990	36
Building the Panther Pup: Part IX	J. W. (Bill) Reichart	Engines	HSM Vol. 09 No. 4 Jul-Aug 1990	42
The Micro Machinist: A Grinding Rest for Precise Tools – Part	Rudy Kouhoup	Shop Accessories	HSM Vol. 09 No. 4 Jul-Aug 1990	48
From the Scrapbox: Milling on the Lathe	Frank A. McLean	Lathes	HSM Vol. 09 No. 4 Jul-Aug 1990	51
Computers in the Shop: Convert Your Mill-drill to CNC – Part I	Roland W. Friestad	Computers	HSM Vol. 09 No. 4 Jul-Aug 1990	54
Basics of Locating – Part VI	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 4 Jul-Aug 1990	56
Product Review: Carr Lane Spring Locating Pins	Edward G. Hoffman	Miscellaneous	HSM Vol. 09 No. 5 Sep-Oct 1990	16
Book Review: Shop Savvy	Guy Lautard	Miscellaneous	HSM Vol. 09 No. 5 Sep-Oct 1990	17
Machine Shop Calculations: Shop Measurements – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 5 Sep-Oct 1990	18
An Indexing Device	Ed Dubosky	Shop Accessories	HSM Vol. 09 No. 5 Sep-Oct 1990	20
Accessories for a Rotary Table – Part II	J. W. Straight	Shop Accessories	HSM Vol. 09 No. 5 Sep-Oct 1990	26
Six-cycle Oddball Engine – Part IV	Philip Duclos	Engines	HSM Vol. 09 No. 5 Sep-Oct 1990	30
Topics in Micromachining – Part III	William T. Roubal, Ph.D.	General Machining Knowledge	HSM Vol. 09 No. 5 Sep-Oct 1990	38
The Micro Machinist: Sharpen Your End Mills – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 09 No. 5 Sep-Oct 1990	42
Computers in the Shop: Convert Your Mill-drill to CNC – Part I	Roland W. Friestad	Computers	HSM Vol. 09 No. 5 Sep-Oct 1990	46
Flame Cutter	Thomas M. Verity	Shop Machinery	HSM Vol. 09 No. 5 Sep-Oct 1990	50
Basics of Locating – Part VII	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 5 Sep-Oct 1990	55
Product Review: Greenfield Tap Wrenches	Guy Lautard	Miscellaneous	HSM Vol. 09 No. 6 Nov-Dec 1990	16
Product Review: Whistler Metaligener Dowel Pins	Edward G. Hoffman	Miscellaneous	HSM Vol. 09 No. 6 Nov-Dec 1990	16
Machine Shop Calculations: Shop Measurements – Part V	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 6 Nov-Dec 1990	18
On Preventing Bloodshed	Alberto Marx	Miscellaneous	HSM Vol. 09 No. 6 Nov-Dec 1990	21
Engraving Pantograph	Rudy Kouhoup	Shop Machinery	HSM Vol. 09 No. 6 Nov-Dec 1990	24
Accessories for a Rotary Table – Part III	J. W. Straight	Shop Accessories	HSM Vol. 09 No. 6 Nov-Dec 1990	33
A Pulley Puller	J. Worzala	Projects	HSM Vol. 09 No. 6 Nov-Dec 1990	35
Six-cycle Oddball Engine – Part V	Philip Duclos	Engines	HSM Vol. 09 No. 6 Nov-Dec 1990	38
From the Scrapbox: The Humble Angle Plate	Frank A. McLean	Mills	HSM Vol. 09 No. 6 Nov-Dec 1990	46
Computers in the Shop: Reviewing CAD Systems – Part I	Roland W. Friestad	Computers	HSM Vol. 09 No. 6 Nov-Dec 1990	49
The Micro Machinist: Sharpen Your End Mills – Part II	Rudy Kouhoup	Shop Accessories	HSM Vol. 09 No. 6 Nov-Dec 1990	52
Basics of Locating – Part VIII	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 09 No. 6 Nov-Dec 1990	56
Product Review: CAD for the Small Shop	Edward G. Hoffman	Miscellaneous	HSM Vol. 10 No. 1 Jan-Feb 1991	12
Machine Shop Calculations: Shop Measurement – Part VI	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 1 Jan-Feb 1991	13
Building the Universal Pillarool – Part I	Harold Mason	Projects	HSM Vol. 10 No. 1 Jan-Feb 1991	16
Remounting a Four-jaw Chuck	G. Wadham	Lathes	HSM Vol. 10 No. 1 Jan-Feb 1991	25
Cast Iron Repair	Richard B. Walker	Welding/Foundry/Forging	HSM Vol. 10 No. 1 Jan-Feb 1991	30
Lathe Carriage Stop	Ira J. Neill	Lathes	HSM Vol. 10 No. 1 Jan-Feb 1991	36
A Simple Phase Converter	Steve Acker	Miscellaneous	HSM Vol. 10 No. 1 Jan-Feb 1991	38

Otis Measures Across Backlash	L. C. Melton	General Machining Knowledge	HSM Vol. 10 No. 1 Jan-Feb 1991	41
Electric Discharge Machining (EDM)	Hank Meador	EDM	HSM Vol. 10 No. 1 Jan-Feb 1991	42
Protective Vise Jaws	Jack Ott	Shop Accessories	HSM Vol. 10 No. 1 Jan-Feb 1991	43
Confessions of a Junkyard Motor Junkie	Theodore (Ted) J. Myers	Miscellaneous	HSM Vol. 10 No. 1 Jan-Feb 1991	45
The Micro Machinist: Building a Multi Cutter Face Mill	Rudy Kouhoupt	Shop Accessories	HSM Vol. 10 No. 1 Jan-Feb 1991	50
Computers in the Shop: Reviewing CAD Systems – Part II	Roland W. Friestad	Computers	HSM Vol. 10 No. 1 Jan-Feb 1991	53
From the Scrapbox: Improving a Milling Machine Vise	Frank A. McLean	Mills	HSM Vol. 10 No. 1 Jan-Feb 1991	56
Basics of Clamping – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 1 Jan-Feb 1991	58
Product Review: Removable High Performance Disks for Your	Edward G. Hoffman	Miscellaneous	HSM Vol. 10 No. 2 Mar-Apr 1991	12
Machine Shop Calculations: Surface Finish Designations – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 2 Mar-Apr 1991	17
Free Pendulum Clock: Part I - Introduction and Overview	Pierre H. Boucheron	Clocks	HSM Vol. 10 No. 2 Mar-Apr 1991	20
Low Range Ohmmeters for Electric Motors	Theodore (Ted) J. Myers	Miscellaneous	HSM Vol. 10 No. 2 Mar-Apr 1991	24
A Useful Follower Rest	Paul J. Holm	Lathes	HSM Vol. 10 No. 2 Mar-Apr 1991	28
A Fixture Plate for a Lathe or Mill	Ray E. Starnes	Shop Accessories	HSM Vol. 10 No. 2 Mar-Apr 1991	30
Building the Universal Pillartool – Part II	Harold Mason	Projects	HSM Vol. 10 No. 2 Mar-Apr 1991	32
Keeper of the Key	David Richards	Miscellaneous	HSM Vol. 10 No. 2 Mar-Apr 1991	38
Teeth for Rotary Cutting Tools	Robert S. Hedin	Shop Accessories	HSM Vol. 10 No. 2 Mar-Apr 1991	39
Rotary, Dual Cross-slide Drill Press and Milling Machine Table	John B. Gascoyne	Shop Machinery	HSM Vol. 10 No. 2 Mar-Apr 1991	40
Otis Stops the Chatter	L. C. Melton	General Machining Knowledge	HSM Vol. 10 No. 2 Mar-Apr 1991	45
A Blacksmith Extraordinaire	J. O. Barbour, Jr.	Welding/Foundry/Forging	HSM Vol. 10 No. 2 Mar-Apr 1991	48
From the Scrapbox: A New Centering Gage	Frank A. McLean	Shop Accessories	HSM Vol. 10 No. 2 Mar-Apr 1991	50
Basics of Clamping – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 2 Mar-Apr 1991	52
The Micro Machinist: Elevating a Vertical Mill	Rudy Kouhoupt	Mills	HSM Vol. 10 No. 2 Mar-Apr 1991	54
Product Review: Twin Lock Workholding System	Edward G. Hoffman	Miscellaneous	HSM Vol. 10 No. 3 May-Jun 1991	10
Product Review: "In Line" Vise Positioner	Joe Rice	Miscellaneous	HSM Vol. 10 No. 3 May-Jun 1991	12
Machine Shop Calculations: Surface Finish Designations – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 3 May-Jun 1991	13
Plastic Injection Molding Machine – Part I	Rodney W. Hanson	Shop Machinery	HSM Vol. 10 No. 3 May-Jun 1991	16
Poshin' Up a Taiwanese Lathe	Guy Lautard	Lathes	HSM Vol. 10 No. 3 May-Jun 1991	23
Poshin' Up a Taiwanese Lathe	Walt Warren	Lathes	HSM Vol. 10 No. 3 May-Jun 1991	23
Building the Universal Pillartool – Part III	Harold Mason	Projects	HSM Vol. 10 No. 3 May-Jun 1991	28
Free Pendulum Clock: Part II - The Bob and Air Losses	Pierre H. Boucheron	Clocks	HSM Vol. 10 No. 3 May-Jun 1991	34
Rotary, Dual Cross-slide Drill Press and Milling Machine Table	John B. Gascoyne	Shop Machinery	HSM Vol. 10 No. 3 May-Jun 1991	38
From the Scrapbox: A Toolpost Grinder	Frank A. McLean	Lathes	HSM Vol. 10 No. 3 May-Jun 1991	44
The Micro Machinist: Two Useful Milling Accessories	Rudy Kouhoupt	Mills	HSM Vol. 10 No. 3 May-Jun 1991	48
Computers in the Shop: Convert a Milling Machine to CNC Control	Roland W. Friestad	Computers	HSM Vol. 10 No. 3 May-Jun 1991	51
Screw Clamps	Edward G. Hoffman	Shop Accessories	HSM Vol. 10 No. 3 May-Jun 1991	56
Table Square	James Madison	Shop Accessories	HSM Vol. 10 No. 3 May-Jun 1991	58
Book Review: How to Make a Grasshopper Skeleton Clock	Guy Lautard	Miscellaneous	HSM Vol. 10 No. 4 Jul-Aug 1991	12
Machine Shop Calculations: Surface Finish Designations – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 4 Jul-Aug 1991	16
Drilling Multiple Holes in Line	William S. Wagner	Miscellaneous	HSM Vol. 10 No. 4 Jul-Aug 1991	18
Building the Universal Pillartool – Part IV	Harold Mason	Projects	HSM Vol. 10 No. 4 Jul-Aug 1991	21
Stainless Steel Fundamentals	George W. Genevro	General Machining Knowledge	HSM Vol. 10 No. 4 Jul-Aug 1991	28
Plastic Injection Molding Machine – Part II	Rodney W. Hanson	Shop Machinery	HSM Vol. 10 No. 4 Jul-Aug 1991	32
Rotary, Dual Cross-slide Drill Press and Milling Machine Table	John B. Gascoyne	Shop Machinery	HSM Vol. 10 No. 4 Jul-Aug 1991	36
Rule Guide for Easier Layout	Edward G. Hoffman	Shop Accessories	HSM Vol. 10 No. 4 Jul-Aug 1991	39
Free Pendulum Clock: Part III - Electronics	Pierre H. Boucheron	Clocks	HSM Vol. 10 No. 4 Jul-Aug 1991	40
A Bit of Inspiration: A Homemade Bench Mill	James S. McKnight	Mills	HSM Vol. 10 No. 4 Jul-Aug 1991	42
Computers in the Shop: Convert a Milling Machine to CNC Control	Roland W. Friestad	Computers	HSM Vol. 10 No. 4 Jul-Aug 1991	44
The Micro Machinist: Making Tap and Reamer Handles	Rudy Kouhoupt	Projects	HSM Vol. 10 No. 4 Jul-Aug 1991	49
Wedge Clamps	Edward G. Hoffman	Shop Accessories	HSM Vol. 10 No. 4 Jul-Aug 1991	54
From the Scrapbox: Cutting Left-hand Threads	Frank A. McLean	General Machining Knowledge	HSM Vol. 10 No. 4 Jul-Aug 1991	56
Machine Shop Calculations: Geometric Construction – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 5 Sep-Oct 1991	17
Topsy-turvy Engine – Part I	Philip Duclos	Engines	HSM Vol. 10 No. 5 Sep-Oct 1991	20
Heat Treating Basics	Steve Acker	General Machining Knowledge	HSM Vol. 10 No. 5 Sep-Oct 1991	28
Building the Universal Pillartool – Part V	Harold Mason	Projects	HSM Vol. 10 No. 5 Sep-Oct 1991	32
Free Pendulum Clock: Part IV - Setup and General Considerations	Pierre H. Boucheron	Clocks	HSM Vol. 10 No. 5 Sep-Oct 1991	40
Plastic Injection Molding Machine – Part III	Rodney W. Hanson	Shop Machinery	HSM Vol. 10 No. 5 Sep-Oct 1991	44
Book/Video Review: Green Sand Casting Techniques	Joe Rice	Miscellaneous	HSM Vol. 10 No. 5 Sep-Oct 1991	47
The Micro Machinist: Two Useful Lathe Dogs	Rudy Kouhoupt	Lathes	HSM Vol. 10 No. 5 Sep-Oct 1991	48
Computers in the Shop: Convert a Milling Machine to CNC Control	Roland W. Friestad	Computers	HSM Vol. 10 No. 5 Sep-Oct 1991	52
Toggle Clamps	Edward G. Hoffman	Shop Accessories	HSM Vol. 10 No. 5 Sep-Oct 1991	55
Machine Shop Calculations: Geometric Construction – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 10 No. 6 Nov-Dec 1991	15
Product Review: Ultra-Thin Parallels	Guy Lautard	Miscellaneous	HSM Vol. 10 No. 6 Nov-Dec 1991	15
An Accurate Vise for the Milling Machine	Rudy Kouhoupt	Mills	HSM Vol. 10 No. 6 Nov-Dec 1991	18
Topsy-turvy Engine – Part II	Philip Duclos	Engines	HSM Vol. 10 No. 6 Nov-Dec 1991	27
Plastic Injection Molding Machine – Part IV	Rodney W. Hanson	Shop Machinery	HSM Vol. 10 No. 6 Nov-Dec 1991	32
Dial Indicators - Dial Test Indicators	John B. Gascoyne	Shop Accessories	HSM Vol. 10 No. 6 Nov-Dec 1991	37
Out-of-the-Way Storage Where You Need It	Don H. Vreeland	Lathes	HSM Vol. 10 No. 6 Nov-Dec 1991	40
Toggle-link Operated Can Crusher	John Maruschak	Projects	HSM Vol. 10 No. 6 Nov-Dec 1991	41
Product Review: A Small Magnetic V-block	Guy Lautard	Miscellaneous	HSM Vol. 10 No. 6 Nov-Dec 1991	43
Computers in the Shop: Convert a Milling Machine to CNC Control	Roland W. Friestad	Computers	HSM Vol. 10 No. 6 Nov-Dec 1991	44
The Micro Machinist: Making a Pair of Milling Clamps – Part I	Rudy Kouhoupt	Mills	HSM Vol. 10 No. 6 Nov-Dec 1991	48
From the Scrapbox: A Shell End Mill Arbor	Frank A. McLean	Shop Accessories	HSM Vol. 10 No. 6 Nov-Dec 1991	51
Cam Clamps	Edward G. Hoffman	Shop Accessories	HSM Vol. 10 No. 6 Nov-Dec 1991	54
Book Review: Clockmaking & Modelmaking Tools and Techniques	Guy Lautard	Miscellaneous	HSM Vol. 11 No. 1 Jan-Feb 1992	14
Machine Shop Calculations: Geometric Construction – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 1 Jan-Feb 1992	15
Turning Short Tapers on a Mill	Stephen M. Thomas	Mills	HSM Vol. 11 No. 1 Jan-Feb 1992	18
Topsy-turvy Engine – Part III	Philip Duclos	Engines	HSM Vol. 11 No. 1 Jan-Feb 1992	24
Indexing Template for Easier Layout	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 1 Jan-Feb 1992	29
A Simple Indexing Rotary Table	Mike Hoff	Shop Accessories	HSM Vol. 11 No. 1 Jan-Feb 1992	32

Steve Makes a Mistake	Steve Acker	General Machining Knowledge	HSM Vol. 11 No. 1 Jan-Feb 1992	38
Adapter for a Boring Head	Don H. Vreeland	Mills	HSM Vol. 11 No. 1 Jan-Feb 1992	39
Drill Press Quill Lock	Marshall R. Young	Shop Machinery	HSM Vol. 11 No. 1 Jan-Feb 1992	40
The Micro Machinist: A Holder for 13/16" Dies	Rudy Kouhoup	Shop Accessories	HSM Vol. 11 No. 1 Jan-Feb 1992	42
Computers in the Shop: Convert a Milling Machine to CNC Co	Roland W. Friestad	Computers	HSM Vol. 11 No. 1 Jan-Feb 1992	45
From the Scrapbox: Fitting Small Drill Chucks	Frank A. McLean	Shop Machinery	HSM Vol. 11 No. 1 Jan-Feb 1992	52
Commercial Components	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 1 Jan-Feb 1992	56
Product Review: Vee-Grooved Snap Jaws	Guy Lautard	Miscellaneous	HSM Vol. 11 No. 2 Mar-Apr 1992	11
Product Review: Band Saw Splicer	Joe Rice	Miscellaneous	HSM Vol. 11 No. 2 Mar-Apr 1992	12
Machine Shop Calculations: Geometric Construction – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 2 Mar-Apr 1992	17
Starting Turning: Part I - A Paperweight	Audrey Mason	Lathes	HSM Vol. 11 No. 2 Mar-Apr 1992	20
Topsy-turvy Engine – Part IV	Philip Duclos	Engines	HSM Vol. 11 No. 2 Mar-Apr 1992	29
A Bit of Inspiration: A David Kucer, Miniaturist	Joe Rice	Hobby Community	HSM Vol. 11 No. 2 Mar-Apr 1992	36
Knurls and Knurling	Eric Carver	Shop Accessories	HSM Vol. 11 No. 2 Mar-Apr 1992	38
The Micro Machinist: Turning a Morse Taper	Rudy Kouhoup	Shop Accessories	HSM Vol. 11 No. 2 Mar-Apr 1992	42
Computers in the Shop: Convert a Milling Machine to CNC Co	Roland W. Friestad	Computers	HSM Vol. 11 No. 2 Mar-Apr 1992	45
From the Scrapbox: Improving the Collet Draw Tube	Frank A. McLean	Lathes	HSM Vol. 11 No. 2 Mar-Apr 1992	49
Mechanical Fasteners – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 2 Mar-Apr 1992	50
An Inexpensive Power Feed	Melvin L. Kalb	Miscellaneous	HSM Vol. 11 No. 2 Mar-Apr 1992	53
Machine Shop Calculations: Geometric Construction – Part V	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 3 May-Jun 1992	15
Starting Turning: Part II - Decorative Boxes	Audrey Mason	Lathes	HSM Vol. 11 No. 3 May-Jun 1992	19
Adapting the Myford for Hand Turning and 10mm Collets	W. R. Smith	Lathes	HSM Vol. 11 No. 3 May-Jun 1992	26
Topsy-turvy Engine – Part V	Philip Duclos	Engines	HSM Vol. 11 No. 3 May-Jun 1992	32
Removing Broken Screws and Studs	Edward G. Hoffman	Miscellaneous	HSM Vol. 11 No. 3 May-Jun 1992	37
Machine Tool Covers	Theodore (Ted) J. Myers	Miscellaneous	HSM Vol. 11 No. 3 May-Jun 1992	39
A Homemade Electric Motor Mount	Ralph T. Walker	Miscellaneous	HSM Vol. 11 No. 3 May-Jun 1992	42
Ball Turning in the Mill	Norman H. Bennett	Mills	HSM Vol. 11 No. 3 May-Jun 1992	44
The Micro Machinist: Setting Up Shop	Rudy Kouhoup	General Machining Knowledge	HSM Vol. 11 No. 3 May-Jun 1992	47
From the Scrapbox: An Unusual Lathe Dog	Frank A. McLean	Lathes	HSM Vol. 11 No. 3 May-Jun 1992	50
Mechanical Fasteners – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 3 May-Jun 1992	53
Product Review: CAD for the Small Shop	Edward G. Hoffman	Miscellaneous	HSM Vol. 11 No. 4 Jul-Aug 1992	14
Product Review: Cameron Series 164 Micro Drill Press	John B. Gascoyne	Miscellaneous	HSM Vol. 11 No. 4 Jul-Aug 1992	15
Machine Shop Calculations: Measuring With Pins – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 4 Jul-Aug 1992	18
A Deluxe Radius Turning Attachment – Part I	Glenn L. Wilson	Lathes	HSM Vol. 11 No. 4 Jul-Aug 1992	20
Starting Turning: Part III - Lace Bobbins	Audrey Mason	Lathes	HSM Vol. 11 No. 4 Jul-Aug 1992	27
A Wood Carving Machine	John Snyder	Shop Machinery	HSM Vol. 11 No. 4 Jul-Aug 1992	34
Drill Press Vise Restraints	James Berger	Shop Machinery	HSM Vol. 11 No. 4 Jul-Aug 1992	45
A Simple Grinder Water Pot	E. T. Feller	Miscellaneous	HSM Vol. 11 No. 4 Jul-Aug 1992	50
The Micro Machinist: Making a Catch Plate	Rudy Kouhoup	Lathes	HSM Vol. 11 No. 4 Jul-Aug 1992	51
From the Scrapbox: A Bell Chuck for Your Lathe	Frank A. McLean	Lathes	HSM Vol. 11 No. 4 Jul-Aug 1992	54
Another Fly Cutter	E. T. Feller	Miscellaneous	HSM Vol. 11 No. 4 Jul-Aug 1992	57
Fixture Keys	Edward G. Hoffman	Shop Accessories	HSM Vol. 11 No. 4 Jul-Aug 1992	58
Product Review: Vernier Protractor	Guy Lautard	Miscellaneous	HSM Vol. 11 No. 5 Sep-Oct 1992	12
Machine Shop Calculations: Measuring With Pins – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 5 Sep-Oct 1992	16
A Deluxe Radius Turning Attachment – Part II	Glenn L. Wilson	Lathes	HSM Vol. 11 No. 5 Sep-Oct 1992	18
An Improved Lathe Drive	G. Wadham	Lathes	HSM Vol. 11 No. 5 Sep-Oct 1992	24
Checkering in the Mill	Steve Acker	Mills	HSM Vol. 11 No. 5 Sep-Oct 1992	30
On Improving the Image	Alberto Marx	Miscellaneous	HSM Vol. 11 No. 5 Sep-Oct 1992	33
Alternate Clamping Devices – Part I	Edward G. Hoffman	Shop Accessories	HSM Vol. 11 No. 5 Sep-Oct 1992	40
From the Scrapbox: Making a Knurled Head Thumbscrew	Frank A. McLean	Miscellaneous	HSM Vol. 11 No. 5 Sep-Oct 1992	45
Skipping	Terry Sexton	Miscellaneous	HSM Vol. 11 No. 5 Sep-Oct 1992	46
Taper Turning	Don H. Vreeland	Lathes	HSM Vol. 11 No. 5 Sep-Oct 1992	47
The Micro Machinist: Checking Lathe Alignment	Rudy Kouhoup	Lathes	HSM Vol. 11 No. 5 Sep-Oct 1992	48
Computers in the Shop: Build Your Own CNC Controller – Part	Roland W. Friestad	Computers	HSM Vol. 11 No. 5 Sep-Oct 1992	52
Vise Jaw Fixtures – Part I	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 5 Sep-Oct 1992	56
Machine Shop Calculations: Measuring With Pins – Part III	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 6 Nov-Dec 1992	16
A Thread Tooling System and Wiggler for the Lathe	D. E. Johnson	Lathes	HSM Vol. 11 No. 6 Nov-Dec 1992	18
Starting Turning: Part IV - Two Candlesticks	Audrey Mason	Lathes	HSM Vol. 11 No. 6 Nov-Dec 1992	24
Alternate Clamping Devices – Part II	Edward G. Hoffman	Shop Accessories	HSM Vol. 11 No. 6 Nov-Dec 1992	34
Cutting Irregularly Shaped Holes	Lowie L. Roscoe, Jr.	Miscellaneous	HSM Vol. 11 No. 6 Nov-Dec 1992	39
Basement Rust	Michael M. Ambrosino	General Machining Knowledge	HSM Vol. 11 No. 6 Nov-Dec 1992	40
From the Scrapbox: A Cylinder or Master Square	Frank A. McLean	Lathes	HSM Vol. 11 No. 6 Nov-Dec 1992	42
The Micro Machinist: Tiny Engines	Rudy Kouhoup	Engines	HSM Vol. 11 No. 6 Nov-Dec 1992	46
Computers in the Shop: Build Your Own CNC Controller – Part	Roland W. Friestad	Computers	HSM Vol. 11 No. 6 Nov-Dec 1992	51
Vise Jaw Fixtures – Part II	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 11 No. 6 Nov-Dec 1992	54
Product Review: Math Solutions at Your Fingertips	Edward G. Hoffman	Miscellaneous	HSM Vol. 11 No. 6 Nov-Dec 1992	56
A Thread-cutting Aid	Karl R. Brown	General Machining Knowledge	HSM Vol. 11 No. 6 Nov-Dec 1992	57
Machine Shop Calculations: Measuring With Pins – Part IV	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 12 No. 1 Jan-Feb 1993	6
Chips & Sparks: Cutting the Chatter	Paul Baumgardner	Techniques	HSM Vol. 12 No. 1 Jan-Feb 1993	14
Chips & Sparks: New Use for an Old Tool	Bob Austill	Techniques	HSM Vol. 12 No. 1 Jan-Feb 1993	14
Thread Cutting on the Lathe	Rudy Kouhoup	Techniques	HSM Vol. 12 No. 1 Jan-Feb 1993	18
Aluminum Fundamentals – Part I	George W. Genevvo	General Machining Knowledge	HSM Vol. 12 No. 1 Jan-Feb 1993	26
A Saw Blade Cutoff Tool	Conrad A. Huard	Machining Accessories	HSM Vol. 12 No. 1 Jan-Feb 1993	31
Making Pin Punches	Steve Acker	Jigs & Fixtures	HSM Vol. 12 No. 1 Jan-Feb 1993	32
Lead Shot Filled Boring Bar	J. W. Straight	Machining Accessories	HSM Vol. 12 No. 1 Jan-Feb 1993	38
The Grizzly 8 x 18 Lathe	Glenn M. Schultz	Machine Tools	HSM Vol. 12 No. 1 Jan-Feb 1993	39
From the Scrapbox: Tailstock Attachments for the Lathe	Frank A. McLean	Machining Accessories	HSM Vol. 12 No. 1 Jan-Feb 1993	46
The Micro Machinist: X and Y Stops for the Mill	Rudy Kouhoup	Machining Accessories	HSM Vol. 12 No. 1 Jan-Feb 1993	49
Vise Jaw Fixtures – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 12 No. 1 Jan-Feb 1993	52
Computers in the Shop: Build Your Own CNC Controller – Part	Roland W. Friestad	Computers	HSM Vol. 12 No. 1 Jan-Feb 1993	54

Chips & Sparks: Parting Remarks	Jack Johns	Techniques	HSM Vol. 12 No. 2 Mar-Apr 1993	13
The Butler Multiple Boring Machines	Harold Mason	Miscellaneous	HSM Vol. 12 No. 2 Mar-Apr 1993	14
Tru Punch Shim Punch and Die Set	Guy Lautard	Hobby Community	HSM Vol. 12 No. 2 Mar-Apr 1993	14
A Milling Machine Conversion	Larry Shull	Techniques	HSM Vol. 12 No. 2 Mar-Apr 1993	24
A Spindle Lock for Your Mill/drill	Bill Lowery	Machining Accessories	HSM Vol. 12 No. 2 Mar-Apr 1993	28
Aluminum Fundamentals – Part II - Temper Designation	George W. Genevro	General Machining Knowledge	HSM Vol. 12 No. 2 Mar-Apr 1993	30
From the Scrapbox: Tailstock Attachment	Frank A. McLean	Machining Accessories	HSM Vol. 12 No. 2 Mar-Apr 1993	36
The Micro Machinist: Drill Press Chuck Handles	Rudy Kouhopt	Machining Accessories	HSM Vol. 12 No. 2 Mar-Apr 1993	39
A Handy File Cleaner	Steve Acker	Techniques	HSM Vol. 12 No. 2 Mar-Apr 1993	42
Computers in the Shop: And Now For Something Completely	Roland W. Friestad	Computers	HSM Vol. 12 No. 2 Mar-Apr 1993	44
Mechanical Fasteners – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 12 No. 2 Mar-Apr 1993	48
Chips & Sparks: Replacing the Lathe Spindle Belt	Joseph Bucca, Jr.	Techniques	HSM Vol. 12 No. 3 May-Jun 1993	12
Chips & Sparks: Tool Tray	George Kolar	Machining Accessories	HSM Vol. 12 No. 3 May-Jun 1993	12
Chips & Sparks: Edge Finders	Jimmy C. Cuttrel	Machining Accessories	HSM Vol. 12 No. 3 May-Jun 1993	13
Convert It	Edward G. Hoffman	Hobby Community	HSM Vol. 12 No. 3 May-Jun 1993	14
Gearless Hit 'n Miss Engine – Part I	Philip Duclos	Engines	HSM Vol. 12 No. 3 May-Jun 1993	16
Mobilize Your Heavy Shop Tools	Samuel W. Carson	Techniques	HSM Vol. 12 No. 3 May-Jun 1993	24
Building a Hydraulic Press Twice – Part I	Steve Acker	Machine Tools	HSM Vol. 12 No. 3 May-Jun 1993	31
Vacuum Up Those Chips!	Walt Dougherty	Techniques	HSM Vol. 12 No. 3 May-Jun 1993	36
Knockout Bar	Jack R. Thompson	Machining Accessories	HSM Vol. 12 No. 3 May-Jun 1993	37
From the Scrapbox: Drill Press Router Adapter	Frank A. McLean	Machining Accessories	HSM Vol. 12 No. 3 May-Jun 1993	38
The Micro Machinist: A Lathe Table	Rudy Kouhopt	Machining Accessories	HSM Vol. 12 No. 3 May-Jun 1993	43
Mechanical Fasteners – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 12 No. 3 May-Jun 1993	46
Computers in the Shop: Retrofitting Atlas/Craftsman and Oth	Roland W. Friestad	Computers	HSM Vol. 12 No. 3 May-Jun 1993	48
Chinese- and American-made Vernier Calipers	Guy Lautard	Hobby Community	HSM Vol. 12 No. 4 Jul-Aug 1993	12
The Diamond Toolholder	Rudy Kouhopt	Hobby Community	HSM Vol. 12 No. 4 Jul-Aug 1993	16
Chips & Sparks: Free Machining Steel	Aubrey Keet	General Machining Knowledge	HSM Vol. 12 No. 4 Jul-Aug 1993	18
Chips & Sparks: Tap and Clearance Drills	Stephen R. Forslind	Techniques	HSM Vol. 12 No. 4 Jul-Aug 1993	18
Chips & Sparks: Valve Stem Remover	Louis Golembiewski	Jigs & Fixtures	HSM Vol. 12 No. 4 Jul-Aug 1993	18
Gearless Hit 'n Miss Engine – Part II	Philip Duclos	Engines	HSM Vol. 12 No. 4 Jul-Aug 1993	20
Thoughts on Selecting Vertical Mills – Part I	Thomas F. Howard	Techniques	HSM Vol. 12 No. 4 Jul-Aug 1993	30
Strike Three Against Home Offices?	Mark E. Battersby	Hobby Community	HSM Vol. 12 No. 4 Jul-Aug 1993	34
A Quick-change Tool Post System – Part I	Richard S. Torgerson	Machining Accessories	HSM Vol. 12 No. 4 Jul-Aug 1993	36
Building a Hydraulic Press Twice – Part II	Steve Acker	Machine Tools	HSM Vol. 12 No. 4 Jul-Aug 1993	43
Cutting Vee Notches	John A. Cooper	Techniques	HSM Vol. 12 No. 4 Jul-Aug 1993	48
The Micro Machinist: Making a Cutoff Toolholder	Rudy Kouhopt	Machining Accessories	HSM Vol. 12 No. 4 Jul-Aug 1993	49
From the Scrapbox: Rounding the Ends	Frank A. McLean	Techniques	HSM Vol. 12 No. 4 Jul-Aug 1993	52
Drill Bushings – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 12 No. 4 Jul-Aug 1993	54
Chips & Sparks: Cutting Coarse Internal Threads	George Kolar	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	14
Chips & Sparks: Drill Press Speed Reducer	Ward Maude	Machining Accessories	HSM Vol. 12 No. 5 Sep-Oct 1993	14
Chips & Sparks: Headstock Belt the Easy Way	Bob Myers	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	14
Chips & Sparks: A Simple Broach	J. F. Rule	Machining Accessories	HSM Vol. 12 No. 5 Sep-Oct 1993	15
Chips & Sparks: Odds and Ends	Robert W. Evans	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	15
Basic Metal Lathe Operations – Part II	Guy Lautard	Hobby Community	HSM Vol. 12 No. 5 Sep-Oct 1993	16
Making the Most of Your Lathe	Joe Rice	Hobby Community	HSM Vol. 12 No. 5 Sep-Oct 1993	16
Greensand Casting Techniques - Volume 2	Joe Rice	Hobby Community	HSM Vol. 12 No. 5 Sep-Oct 1993	17
Knorrostol	Guy Lautard	Hobby Community	HSM Vol. 12 No. 5 Sep-Oct 1993	17
Gearless Hit 'n Miss Engine – Part III	Philip Duclos	Engines	HSM Vol. 12 No. 5 Sep-Oct 1993	18
Thoughts on Selecting Vertical Mills – Part II	Thomas F. Howard	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	26
Starting Turning – Part V	Audrey Mason	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	30
A Quick-change Tool Post System – Part II	Richard S. Torgerson	Machining Accessories	HSM Vol. 12 No. 5 Sep-Oct 1993	39
From the Scrapbox: Brazing Band Saw Blades	Frank A. McLean	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	44
The Micro Machinist: Using a Cutoff Tool	Rudy Kouhopt	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	46
Computers in the Shop: Retrofitting Atlas/Craftsman and Oth	Roland W. Friestad	Computers	HSM Vol. 12 No. 5 Sep-Oct 1993	49
Drill Bushings – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 12 No. 5 Sep-Oct 1993	54
Threaded Bushing	Jack R. Thompson	Techniques	HSM Vol. 12 No. 5 Sep-Oct 1993	56
Toolmaker's Button	D. M. Thomson	Shop Accessories	HSM Vol. 12 No. 5 Sep-Oct 1993	56
Mr. Cushion Step	Guy Lautard	Hobby Community	HSM Vol. 12 No. 5 Sep-Oct 1993	57
Chips & Sparks: Engine Turning	Paul Biganeiss	Techniques	HSM Vol. 12 No. 6 Nov-Dec 1993	14
Chips & Sparks: Homemade Air Compressor	George Kolar	Shop Machinery	HSM Vol. 12 No. 6 Nov-Dec 1993	14
Math Solutions for Your Computer: Any Angle	Edward G. Hoffman	Hobby Community	HSM Vol. 12 No. 6 Nov-Dec 1993	16
Math Solutions for Your Computer: Craft-E	Edward G. Hoffman	Hobby Community	HSM Vol. 12 No. 6 Nov-Dec 1993	16
Math Solutions for Your Computer: Mr. Machinist	Edward G. Hoffman	Hobby Community	HSM Vol. 12 No. 6 Nov-Dec 1993	17
Math Solutions for Your Computer: NBS Trig and NBS Toolpat	Edward G. Hoffman	Hobby Community	HSM Vol. 12 No. 6 Nov-Dec 1993	18
Math Solutions for Your Computer: Shopmathster II	Edward G. Hoffman	Hobby Community	HSM Vol. 12 No. 6 Nov-Dec 1993	19
How to Make a Skeleton Wall Clock – Part I	W. R. Smith	Clocks	HSM Vol. 12 No. 6 Nov-Dec 1993	22
Gearless Hit 'n Miss Engine – Part IV	Philip Duclos	Engines	HSM Vol. 12 No. 6 Nov-Dec 1993	29
Cerro Alloys Aid in Machining Irregular Parts	Ronald E. McBride	Miscellaneous	HSM Vol. 12 No. 6 Nov-Dec 1993	36
A Quick-change Tool Post System – Part III	Richard S. Torgerson	Machining Accessories	HSM Vol. 12 No. 6 Nov-Dec 1993	39
Enco 12 x 26 Geared Head Engine Lathe: A Review	Clifton E. R. Lawson	Hobby Community	HSM Vol. 12 No. 6 Nov-Dec 1993	44
Chips & Sparks: A Half Center	Norm Wells	Techniques	HSM Vol. 12 No. 6 Nov-Dec 1993	49
On the Use of Threading Dials for Cutting Metric Threads	Eugene E. Petersen	Techniques	HSM Vol. 12 No. 6 Nov-Dec 1993	49
The Micro Machinist: Make a Center Finder	Rudy Kouhopt	Shop Accessories	HSM Vol. 12 No. 6 Nov-Dec 1993	51
From the Scrapbox: Hinge Centering Punch	Frank A. McLean	Machining Accessories	HSM Vol. 12 No. 6 Nov-Dec 1993	54
Drill Bushings – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 12 No. 6 Nov-Dec 1993	56
Chips & Sparks: Another Vise Jaw Idea	Fred Bruce	Machining Accessories	HSM Vol. 13 No. 1 Jan-Feb 1994	16
Chips & Sparks: Oil Dispenser	Harvey Freeman	Machine Modifications	HSM Vol. 13 No. 1 Jan-Feb 1994	16
Chips & Sparks: A Stable Propane Torch	Norm Wells	Welding/Foundry/Forging	HSM Vol. 13 No. 1 Jan-Feb 1994	17
Chips & Sparks: Tool Tray	George Kolar	Machining Accessories	HSM Vol. 13 No. 1 Jan-Feb 1994	17
Learn CAD Now and Easy CAD 2	Joe Rice	Hobby Community	HSM Vol. 13 No. 1 Jan-Feb 1994	18

Micrografx Designer 3.1	Joe Rice	Hobby Community	HSM Vol. 13 No. 1 Jan-Feb 1994	19
The Paragon Q-11A Heat-Treating Furnace	Corrine Hummel	Hobby Community	HSM Vol. 13 No. 1 Jan-Feb 1994	20
The Machinist's Third Bedside Reader	Clover McKinley	Hobby Community	HSM Vol. 13 No. 1 Jan-Feb 1994	23
A Quick-change Tool Post System – Part IV	Richard S. Torgerson	Machining Accessories	HSM Vol. 13 No. 1 Jan-Feb 1994	24
How to Make a Skeleton Wall Clock – Part II	W. R. Smith	Clocks	HSM Vol. 13 No. 1 Jan-Feb 1994	29
Some Pointers on Scroll Sawing	Guy Lautard	Techniques	HSM Vol. 13 No. 1 Jan-Feb 1994	34
A Mill Spindle Indicator Holder	Roy Rice	Machining Accessories	HSM Vol. 13 No. 1 Jan-Feb 1994	35
Balancing a Grinding Wheel	A. M. Christopherson	Miscellaneous	HSM Vol. 13 No. 1 Jan-Feb 1994	36
Unimat Headstock Adapter	Conrad A. Huard	Machining Accessories	HSM Vol. 13 No. 1 Jan-Feb 1994	38
Facing to Accurate Length	L. C. Melton	Techniques	HSM Vol. 13 No. 1 Jan-Feb 1994	40
More on Three-phase Converters	Robert J. Matthys	Miscellaneous	HSM Vol. 13 No. 1 Jan-Feb 1994	41
Drill Bushings – Part IV	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 1 Jan-Feb 1994	44
Jigs & Fixtures: Drill Brushings – Part IV	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 1 Jan-Feb 1994	44
The Micro Machinist: Base for a Band Saw	Rudy Kouhoup	Shop Machinery	HSM Vol. 13 No. 1 Jan-Feb 1994	46
From the Scrapbox: Using a Router on the Vertical Milling Ma	Frank A. McLean	Machining Accessories	HSM Vol. 13 No. 1 Jan-Feb 1994	49
Computers in the Shop: Retrofitting Atlas/Craftsman and Oth	Roland W. Friestad	Computers	HSM Vol. 13 No. 1 Jan-Feb 1994	52
Chips & Sparks: Dental Burrs in the Metal Shop	Donovan V. Browne	Miscellaneous	HSM Vol. 13 No. 2 Mar-Apr 1994	16
Chips & Sparks: Surface Plate Care	Norm Wells	Techniques	HSM Vol. 13 No. 2 Mar-Apr 1994	16
Surface Plate Care	Norm Wells	Techniques	HSM Vol. 13 No. 2 Mar-Apr 1994	16
Chips & Sparks: Cut Threads With a Tap	Don Hester	Techniques	HSM Vol. 13 No. 2 Mar-Apr 1994	17
Adjustable Packing Blocks	Rudy Kouhoup	Hobby Community	HSM Vol. 13 No. 2 Mar-Apr 1994	18
Workshop Tool & Accessory Plans	Joe Rice	Hobby Community	HSM Vol. 13 No. 2 Mar-Apr 1994	18
The Micro Machinist: Build and Use a Tool Post Grinder – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 13 No. 2 Mar-Apr 1994	20
How to Make a Skeleton Wall Clock – Part III	W. R. Smith	Clocks	HSM Vol. 13 No. 2 Mar-Apr 1994	24
North American Model Engineering Exposition	Joe Rice	Hobby Community	HSM Vol. 13 No. 2 Mar-Apr 1994	30
Building the Titan .60 – Part I	George W. Genevro	Engines	HSM Vol. 13 No. 2 Mar-Apr 1994	34
Turning Short Tapers on a Mill/drill	Stephen M. Thomas	Techniques	HSM Vol. 13 No. 2 Mar-Apr 1994	41
A Quick Tumbler Gear Reversal Mechanism	Theodore (Ted) J. Myers	Machining Accessories	HSM Vol. 13 No. 2 Mar-Apr 1994	44
From the Scrapbox: An Unusual Turning Operation	Frank A. McLean	Techniques	HSM Vol. 13 No. 2 Mar-Apr 1994	46
Set Blocks	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 2 Mar-Apr 1994	48
A Simple Timer	J. W. (Bill) Reichart	Clocks	HSM Vol. 13 No. 2 Mar-Apr 1994	52
A Modified Arbor Press Ram	Alan Andrews	Shop Machinery	HSM Vol. 13 No. 2 Mar-Apr 1994	54
Reuse Broken Drills	L. A. Van Veghel	Techniques	HSM Vol. 13 No. 2 Mar-Apr 1994	55
A Video Visit with Guy Lautard & Bill Fenton	Clover McKinley	Hobby Community	HSM Vol. 13 No. 3 May-Jun 1994	13
The Video with Guy Lautard & Bill Fenton	L. A. Van Veghel	Hobby Community	HSM Vol. 13 No. 3 May-Jun 1994	13
Chips & Sparks: Bridgeport Mill Tricks	Jim Koutsoures	Techniques	HSM Vol. 13 No. 3 May-Jun 1994	14
Chips & Sparks: Internal Keyway Slotting	George Kolar	Techniques	HSM Vol. 13 No. 3 May-Jun 1994	15
AMT Radial Drill Press	Edward G. Hoffman	Hobby Community	HSM Vol. 13 No. 3 May-Jun 1994	16
Single-shot, Lever-action, Falling-block Rifle Action – Part I	Walter B. Mueller	Gunsmithing	HSM Vol. 13 No. 3 May-Jun 1994	20
A Mill/Drill Support	Paul J. Holm	Machining Accessories	HSM Vol. 13 No. 3 May-Jun 1994	29
Building the Titan .60 – Part II	George W. Genevro	Engines	HSM Vol. 13 No. 3 May-Jun 1994	32
How to Make a Skeleton Wall Clock – Part IV	W. R. Smith	Clocks	HSM Vol. 13 No. 3 May-Jun 1994	36
More on EDM	Jack Lewis	EDM	HSM Vol. 13 No. 3 May-Jun 1994	44
Computers in the Shop: Retrofitting Atlas/Craftsman and Oth	Roland W. Friestad	Computers	HSM Vol. 13 No. 3 May-Jun 1994	48
The Micro Machinist: Build and Use a Tool Post Grinder – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 13 No. 3 May-Jun 1994	52
Workholder Design Tips – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 3 May-Jun 1994	56
From the Scrapbox: Milling a Keyseat in a Shaft	Frank A. McLean	Techniques	HSM Vol. 13 No. 3 May-Jun 1994	58
Chips & Sparks: In Lieu of a Thread Cutting Dial	Harry U. Snow	Techniques	HSM Vol. 13 No. 4 Jul-Aug 1994	16
Chips & Sparks: Pin Vise	Eddie M. Zanrosso	Shop Accessories	HSM Vol. 13 No. 4 Jul-Aug 1994	16
How to Make a Skeleton Wall Clock – Part V	W. R. Smith	Clocks	HSM Vol. 13 No. 4 Jul-Aug 1994	20
Single-shot, Lever-action, Falling-block Rifle Action – Part II	Walter B. Mueller	Gunsmithing	HSM Vol. 13 No. 4 Jul-Aug 1994	26
Building the Titan .60 – Part III	George W. Genevro	Engines	HSM Vol. 13 No. 4 Jul-Aug 1994	39
Large Radius Cylindrical Cuts on a Shaper	Peter J. Hojjer	Techniques	HSM Vol. 13 No. 4 Jul-Aug 1994	44
The Micro Machinist: Build and Use a Tool Post Grinder – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 13 No. 4 Jul-Aug 1994	46
From the Scrapbox: Correcting a Milling Machine Vise	Frank A. McLean	Techniques	HSM Vol. 13 No. 4 Jul-Aug 1994	50
Workholder Design Tips – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 4 Jul-Aug 1994	51
Some Parts Source	Donald G. Honeywell	General Machining Knowledge	HSM Vol. 13 No. 4 Jul-Aug 1994	56
The 1893 Springfield Duryea	Joe Rice	Hobby Community	HSM Vol. 13 No. 4 Jul-Aug 1994	56
Fourth Annual NAMES Exposition	L. A. Van Veghel	Hobby Community	HSM Vol. 13 No. 5 Sep-Oct 1994	18
Master Mechanics' Manual, Volume One	Clover McKinley	Hobby Community	HSM Vol. 13 No. 5 Sep-Oct 1994	18
Avoiding Broken Gear Belts	Francis Langford	Techniques	HSM Vol. 13 No. 5 Sep-Oct 1994	19
Serious Milling With the Lathe – Part I	D. E. Johnson	Machining Accessories	HSM Vol. 13 No. 5 Sep-Oct 1994	20
How to Make a Skeleton Wall Clock – Part VI	W. R. Smith	Clocks	HSM Vol. 13 No. 5 Sep-Oct 1994	28
Single-shot, Lever-action, Falling-block Rifle Action – Part III	Walter B. Mueller	Gunsmithing	HSM Vol. 13 No. 5 Sep-Oct 1994	36
Excerpts from The Federal Firearms Regulations Guide	Kevin Dockery	Gunsmithing	HSM Vol. 13 No. 5 Sep-Oct 1994	42
Tap Dogs	Glenn A. Pettit	Machining Accessories	HSM Vol. 13 No. 5 Sep-Oct 1994	43
Building the Titan .60 – Part IV	George W. Genevro	Engines	HSM Vol. 13 No. 5 Sep-Oct 1994	44
Files and Filing – Part I	Edward G. Hoffman	Hand Tools	HSM Vol. 13 No. 5 Sep-Oct 1994	47
A Fixture for Milling End Curves	Rudy Kouhoup	Machining Accessories	HSM Vol. 13 No. 5 Sep-Oct 1994	50
Workholder Design Tips – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 5 Sep-Oct 1994	54
From the Scrapbox: Keyway Broach Bushings	Frank A. McLean	Machining Accessories	HSM Vol. 13 No. 5 Sep-Oct 1994	56
Reviving a Lunch Break Shaper	Terry Sexton	Techniques	HSM Vol. 13 No. 6 Nov-Dec 1994	22
How to Make a Skeleton Wall Clock – Part VII	W. R. Smith	Clocks	HSM Vol. 13 No. 6 Nov-Dec 1994	25
Building the Titan .60 – Part V	George W. Genevro	Engines	HSM Vol. 13 No. 6 Nov-Dec 1994	32
Serious Milling With the Lathe – Part II	D. E. Johnson	Machining Accessories	HSM Vol. 13 No. 6 Nov-Dec 1994	38
Single-shot, Lever-action, Falling-block Rifle Action – Part IV	Walter B. Mueller	Gunsmithing	HSM Vol. 13 No. 6 Nov-Dec 1994	45
Chatterless Countersinks	Robert S. Hedin	Machining Accessories	HSM Vol. 13 No. 6 Nov-Dec 1994	48
Files and Filing – Part II	Edward G. Hoffman	Hand Tools	HSM Vol. 13 No. 6 Nov-Dec 1994	50
Low-cost Reversing Switch for Electric Motors	R. L. Halbert	Motors	HSM Vol. 13 No. 6 Nov-Dec 1994	53
Clamping Tapered Material in a Vise - No Problem!	Joe Harmon	Techniques	HSM Vol. 13 No. 6 Nov-Dec 1994	54

Starrett's No.164 Series A Clamp	Guy Lautard	Hobby Community	HSM Vol. 13 No. 6 Nov-Dec 1994	55
From the Scrapbox: Improving the Horizontal/Vertical Band S	Frank A. McLean	Techniques	HSM Vol. 13 No. 6 Nov-Dec 1994	58
Specialty Locating Devices – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 13 No. 6 Nov-Dec 1994	60
Make an Open-Sided Tool Post	Rudy Kouhoup	Machining Accessories	HSM Vol. 13 No. 6 Nov-Dec 1994	62
The Model Engineers Workshop Manual	Gregory P. Widin	Hobby Community	HSM Vol. 14 No. 1 Jan-Feb 1995	18
Start Turning: Part VI - Mini Screw Clamps	Audrey Mason	Machining Accessories	HSM Vol. 14 No. 1 Jan-Feb 1995	22
Serious Milling With the Lathe – Part III	D. E. Johnson	Machining Accessories	HSM Vol. 14 No. 1 Jan-Feb 1995	30
How to Make a Skeleton Wall Clock – Part VIII	W. R. Smith	Clocks	HSM Vol. 14 No. 1 Jan-Feb 1995	37
Single-shot, Lever-action, Falling-block Rifle Action – Part V	Walter B. Mueller	Gunsmithing	HSM Vol. 14 No. 1 Jan-Feb 1995	44
Files and Filing – Part III	Edward G. Hoffman	Hand Tools	HSM Vol. 14 No. 1 Jan-Feb 1995	48
The Micro Machinist: Old Iron – Part I	Rudy Kouhoup	Machine Tools	HSM Vol. 14 No. 1 Jan-Feb 1995	52
From the Scrapbox: Hand Turning on the Lathe	Frank A. McLean	Techniques	HSM Vol. 14 No. 1 Jan-Feb 1995	56
Specialty Locating Devices – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 14 No. 1 Jan-Feb 1995	58
Chips & Sparks: Inexpensive Tool Mounts	Thomas M. Verity	Machining Accessories	HSM Vol. 14 No. 2 Mar-Apr 1995	20
Chips & Sparks: Easy Way to Cut Metric Threads	Jack R. Lind	Techniques	HSM Vol. 14 No. 2 Mar-Apr 1995	21
Chips & Sparks: When You Are Without a Tool Post Grinder	Chad Godeke	Miscellaneous	HSM Vol. 14 No. 2 Mar-Apr 1995	21
How to Make a Skeleton Wall Clock – Part IX	W. R. Smith	Clocks	HSM Vol. 14 No. 2 Mar-Apr 1995	22
Single-shot, Lever-action, Falling-block Rifle Action – Part VI	Walter B. Mueller	Gunsmithing	HSM Vol. 14 No. 2 Mar-Apr 1995	28
Mill-drill Adventures – Part I	D. E. Johnson	Machining Accessories	HSM Vol. 14 No. 2 Mar-Apr 1995	34
A Machinist's Clock	J. W. (Bill) Reichart	Clocks	HSM Vol. 14 No. 2 Mar-Apr 1995	37
From the Scrapbox: Horizontal Milling Attachment – Part I	Frank A. McLean	Machining Accessories	HSM Vol. 14 No. 2 Mar-Apr 1995	40
Heat-Treatment Processes for Engine Components	George W. Genevro	Techniques	HSM Vol. 14 No. 2 Mar-Apr 1995	46
A Homemade Die Filer	Melvin L. Kalb	Machine Tools	HSM Vol. 14 No. 2 Mar-Apr 1995	48
The Micro Machinist: Old Iron – Part II	Rudy Kouhoup	Machine Tools	HSM Vol. 14 No. 2 Mar-Apr 1995	50
Specialty Clamping Devices – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 14 No. 2 Mar-Apr 1995	54
Chips & Sparks: Safe Outlets	Greg Locati	General Machining Knowledge	HSM Vol. 14 No. 3 May-Jun 1995	18
Chips & Sparks: Screw Trouble	Donald Duncan	Techniques	HSM Vol. 14 No. 3 May-Jun 1995	18
Chips & Sparks: EDM Safety	Norm Wells	EDM	HSM Vol. 14 No. 3 May-Jun 1995	19
Electrical Discharge Machining - Removing Metal By Spark Erc	Robert P. Langlois	Machining Accessories	HSM Vol. 14 No. 3 May-Jun 1995	22
Spark Eroding a Broken Stud	Robert P. Langlois	EDM	HSM Vol. 14 No. 3 May-Jun 1995	30
Mill-drill Adventures – Part II	D. E. Johnson	Machining Accessories	HSM Vol. 14 No. 3 May-Jun 1995	32
How to Make a Skeleton Wall Clock – Part X	W. R. Smith	Clocks	HSM Vol. 14 No. 3 May-Jun 1995	39
Dividing On The Lathe	James Schmidt	Techniques	HSM Vol. 14 No. 3 May-Jun 1995	45
Single-shot, Lever-action, Falling-block Rifle Action – Part VII	Walter B. Mueller	Gunsmithing	HSM Vol. 14 No. 3 May-Jun 1995	46
From the Scrapbox: Horizontal Milling Attachment – Part II	Frank A. McLean	Machining Accessories	HSM Vol. 14 No. 3 May-Jun 1995	48
Specialty Clamping Devices – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 14 No. 3 May-Jun 1995	54
The Micro Machinist: Old Iron – Part III	Rudy Kouhoup	Machine Tools	HSM Vol. 14 No. 3 May-Jun 1995	56
Mill-drill Adventures – Part III	D. E. Johnson	Machining Accessories	HSM Vol. 14 No. 4 Jul-Aug 1995	22
Single-shot, Lever-action, Falling-block Rifle Action – Part VIII	Walter B. Mueller	Gunsmithing	HSM Vol. 14 No. 4 Jul-Aug 1995	27
How to Make a Skeleton Wall Clock – Part XI	W. R. Smith	Clocks	HSM Vol. 14 No. 4 Jul-Aug 1995	32
Electrical Discharge Machining - Removing Metal By Spark Erc	Robert P. Langlois	Machining Accessories	HSM Vol. 14 No. 4 Jul-Aug 1995	40
Drill Press Accessories: Small Drill Sharpening Guides	Alan Douglas	Machining Accessories	HSM Vol. 14 No. 4 Jul-Aug 1995	52
From the Scrapbox: Small Drill Sharpening Guides	Frank A. McLean	Shop Accessories	HSM Vol. 14 No. 4 Jul-Aug 1995	52
The Micro Machinist: A Compact Boring Head – Part I	Rudy Kouhoup	Machining Accessories	HSM Vol. 14 No. 4 Jul-Aug 1995	55
Specialty Clamping Devices – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 14 No. 4 Jul-Aug 1995	58
Chips & Sparks: Shop Bench	David Joly	Shop Accessories	HSM Vol. 14 No. 5 Sep-Oct 1995	18
Chips & Sparks: EDM Safety	Norm Wells	EDM	HSM Vol. 14 No. 5 Sep-Oct 1995	20
Chips & Sparks: Safe Outlets	Greg Locati	General Machining Knowledge	HSM Vol. 14 No. 5 Sep-Oct 1995	20
Chips & Sparks: When You Are Without a Tool Post Grinder	Chad Godeke	Miscellaneous	HSM Vol. 14 No. 5 Sep-Oct 1995	20
Maverick Engine – Part I	Philip Duclos	Engines	HSM Vol. 14 No. 5 Sep-Oct 1995	22
Building the Shop	Corrine Hummel	General Machining Knowledge	HSM Vol. 14 No. 5 Sep-Oct 1995	28
Electrical Discharge Machining - Removing Metal By Spark Erc	Robert P. Langlois	Machining Accessories	HSM Vol. 14 No. 5 Sep-Oct 1995	34
How to Make a Skeleton Wall Clock – Part XII	W. R. Smith	Clocks	HSM Vol. 14 No. 5 Sep-Oct 1995	44
The Micro Machinist: A Compact Boring Head – Part II	Rudy Kouhoup	Machining Accessories	HSM Vol. 14 No. 5 Sep-Oct 1995	51
Drill Press Accessories: Homemade Counterbores	Alan Douglas	Machining Accessories	HSM Vol. 14 No. 5 Sep-Oct 1995	54
From the Scrapbox: Homemade Counterbores	Frank A. McLean	Machining Accessories	HSM Vol. 14 No. 5 Sep-Oct 1995	54
Specialty Clamping Devices – Part IV	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 14 No. 5 Sep-Oct 1995	56
Chips & Sparks: Easy Way to Cut Metric Threads	Jack R. Lind	Techniques	HSM Vol. 14 No. 6 Nov-Dec 1995	24
Practical Ideas... for Metalworking Operations, Tooling, and N	Joe Rice	Hobby Community	HSM Vol. 14 No. 6 Nov-Dec 1995	25
Nonmetallic Tooling Alternative	Edward G. Hoffman	Hobby Community	HSM Vol. 14 No. 6 Nov-Dec 1995	26
Mill-drill Adventures – Part IV	D. E. Johnson	Machining Accessories	HSM Vol. 14 No. 6 Nov-Dec 1995	28
Need A Lift?	Ray F. Wagner	Shop Accessories	HSM Vol. 14 No. 6 Nov-Dec 1995	33
Electrical Discharge Machining - Removing Metal By Spark Erc	Robert P. Langlois	Machining Accessories	HSM Vol. 14 No. 6 Nov-Dec 1995	34
Maverick Engine – Part II	Philip Duclos	Engines	HSM Vol. 14 No. 6 Nov-Dec 1995	40
Drill Press Accessories: A Simple Tapping Guide	Alan Douglas	Machining Accessories	HSM Vol. 14 No. 6 Nov-Dec 1995	47
A Simple Tapping Guide	Phil Huffman	Machining Accessories	HSM Vol. 14 No. 6 Nov-Dec 1995	47
Silver Soldering Fundamentals	George W. Genevro	Techniques	HSM Vol. 14 No. 6 Nov-Dec 1995	48
Electric Motors for Stationary Power Tools	Alan Douglas	Motors	HSM Vol. 14 No. 6 Nov-Dec 1995	52
The Micro Machinist: A Compact Boring Head – Part III	Rudy Kouhoup	Machining Accessories	HSM Vol. 14 No. 6 Nov-Dec 1995	56
Locating Pins – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 14 No. 6 Nov-Dec 1995	60
From the Scrapbox: Cloche Hoops	Frank A. McLean	Techniques	HSM Vol. 14 No. 6 Nov-Dec 1995	62
Chips & Sparks: Mill/drill Tips	David Eisler	Techniques	HSM Vol. 15 No. 1 Jan-Feb 1996	21
Emco Maier D1-4 Cam Lock Fixture Plate	David Lindquist	Hobby Community	HSM Vol. 15 No. 1 Jan-Feb 1996	22
FlexArm System	Edward G. Hoffman	Hobby Community	HSM Vol. 15 No. 1 Jan-Feb 1996	23
Mill-drill Adventures – Part V - A Power Feed for the Main Tal	D. E. Johnson	Machining Accessories	HSM Vol. 15 No. 1 Jan-Feb 1996	26
Engineering Plastics	Thomas W. Dowling, III	Techniques	HSM Vol. 15 No. 1 Jan-Feb 1996	33
Electrical Discharge Machining - Removing Metal By Spark Erc	Robert P. Langlois	Machining Accessories	HSM Vol. 15 No. 1 Jan-Feb 1996	34
Maverick Engine – Part III	Philip Duclos	Engines	HSM Vol. 15 No. 1 Jan-Feb 1996	44
Lathe Tips	Edward P. Stone	Techniques	HSM Vol. 15 No. 1 Jan-Feb 1996	50
The Micro Machinist: Little Job Cement Mixer – Part I	Rudy Kouhoup	Projects	HSM Vol. 15 No. 1 Jan-Feb 1996	54

From the Scrapbox: Cleaning a Universal Chuck	Frank A. McLean	Techniques	HSM Vol. 15 No. 1 Jan-Feb 1996	57
Locating Pins – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 15 No. 1 Jan-Feb 1996	62
Chips & Sparks: Advantage of Three-phase	Dick French	Motors	HSM Vol. 15 No. 2 Mar-Apr 1996	19
Chips & Sparks: Hacksaw Cuts Simplified	Fred E. Wilder	Techniques	HSM Vol. 15 No. 2 Mar-Apr 1996	19
Chips & Sparks: No More Shocks	David C. Blocker	Techniques	HSM Vol. 15 No. 2 Mar-Apr 1996	19
Chips & Sparks: Substitute Tailstock Center	Thomas LaMance	Machining Accessories	HSM Vol. 15 No. 2 Mar-Apr 1996	19
Ornamental Turning Lathe	Guy Lautard	Hobby Community	HSM Vol. 15 No. 2 Mar-Apr 1996	20
Adapting the Sherline for Wheel Cutting and Pinion Making –	W. R. Smith	Techniques	HSM Vol. 15 No. 2 Mar-Apr 1996	24
Mill-drill Adventures – Part VI - A Power Feed for the Main Ta	D. E. Johnson	Machining Accessories	HSM Vol. 15 No. 2 Mar-Apr 1996	32
Electrical Discharge Machining - Removing Metal By Spark Erc	Robert P. Langlois	Machining Accessories	HSM Vol. 15 No. 2 Mar-Apr 1996	37
Maverick Engine – Part IV	Philip Duclos	Engines	HSM Vol. 15 No. 2 Mar-Apr 1996	42
A Small Shop Butt Welder	Wolfgang F. Habicher	Welding/Foundry/Forging	HSM Vol. 15 No. 2 Mar-Apr 1996	48
The Micro Machinist: Little Job Cement Mixer – Part II	Rudy Kouhoupt	Projects	HSM Vol. 15 No. 2 Mar-Apr 1996	50
Locating Pins – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 15 No. 2 Mar-Apr 1996	54
From the Scrapbox: How to Set Up and Use a Drill Grinding At	Frank A. McLean	Shop Accessories	HSM Vol. 15 No. 2 Mar-Apr 1996	57
Building Phil Duclos' Model Maker's Dividing Head	Marsh Collins	Machining Accessories	HSM Vol. 15 No. 3 May-Jun 1996	16
An American's View of the English Wheel	Guy Lautard	Hobby Community	HSM Vol. 15 No. 3 May-Jun 1996	20
Bedding, Scoping, and Crowning the Remington 700	Guy Lautard	Hobby Community	HSM Vol. 15 No. 3 May-Jun 1996	20
Correcting bolt Lug Engagement and Excess Headspace	Guy Lautard	Hobby Community	HSM Vol. 15 No. 3 May-Jun 1996	20
Edge those Panels	Guy Lautard	Hobby Community	HSM Vol. 15 No. 3 May-Jun 1996	20
Truing Your Action and Installing a New Barrel	Guy Lautard	Hobby Community	HSM Vol. 15 No. 3 May-Jun 1996	20
The Micro Machinist: Using the Diamond Toolholder	Rudy Kouhoupt	Techniques	HSM Vol. 15 No. 3 May-Jun 1996	24
The How and Why of Tangential Cutting	Desmond Burke	Techniques	HSM Vol. 15 No. 3 May-Jun 1996	28
A Sliding Bevel Gage with Protractor	Ted Wright	Measuring & Layout	HSM Vol. 15 No. 3 May-Jun 1996	31
Adapting the Sherline for Wheel Cutting and Pinion Making –	W. R. Smith	Techniques	HSM Vol. 15 No. 3 May-Jun 1996	36
Remote Switch for the Mill	C. O. Voss	Machining Accessories	HSM Vol. 15 No. 3 May-Jun 1996	49
Variable Speed DC Motor for the Home Shop	Charles Eyer	Motors	HSM Vol. 15 No. 3 May-Jun 1996	50
The Micro Machinist: Little Job Cement Mixer – Part III	Rudy Kouhoupt	Projects	HSM Vol. 15 No. 3 May-Jun 1996	55
From the Scrapbox: A Trepanning Tool	Frank A. McLean	Machining Accessories	HSM Vol. 15 No. 3 May-Jun 1996	58
Fixturing With Collets – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 15 No. 3 May-Jun 1996	60
Chips & Sparks: Long Story Shortened	Steven G. Whipple	Techniques	HSM Vol. 15 No. 4 Jul-Aug 1996	20
Three-phase Idler Flywheel	Robin Houseman	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	20
Lathe Handles	Pierce Raubach	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	21
Takang Model 1760G Lathe	John Benjamin	Hobby Community	HSM Vol. 15 No. 4 Jul-Aug 1996	22
Designing Cost-Efficient Mechanisms	David Joly	Techniques	HSM Vol. 15 No. 4 Jul-Aug 1996	23
A Bit of Inspiration: The Work of John Crunkleton	John Crunkleton	Hobby Community	HSM Vol. 15 No. 4 Jul-Aug 1996	24
Mill-drill Adventures – Part VII - Keeping Track of the Cutting	D. E. Johnson	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	30
A Quick-release T-rest for the Sherline Lathe	W. R. Smith	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	36
Table Stop	James Madison	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	44
Internal Spindle Stop	Billy J. Blackmon	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	46
An Indicator Stand	Earl L. Bower	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	48
Stuck Chucks, One-more-time, Didactic #17	Henry J. Kratt	Techniques	HSM Vol. 15 No. 4 Jul-Aug 1996	49
Sharpening Tungsten Carbide Drills	Walt Netzel	Miscellaneous	HSM Vol. 15 No. 4 Jul-Aug 1996	50
The Micro Machinist: Little Job Cement Mixer – Part IV	Rudy Kouhoupt	Projects	HSM Vol. 15 No. 4 Jul-Aug 1996	51
A Gunsmith's Workbench, German Silver Escutcheons	Laurie Morrow	Gunsmithing	HSM Vol. 15 No. 4 Jul-Aug 1996	52
From the Scrapbox: A Taig Lathe Tool Rest	Frank A. McLean	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	54
The Proper Use of Diamond Dressers	John Bochert	Techniques	HSM Vol. 15 No. 4 Jul-Aug 1996	56
Carbide Inserts	Jeff Witherow	Machining Accessories	HSM Vol. 15 No. 4 Jul-Aug 1996	58
Fixturing With Collets – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 15 No. 4 Jul-Aug 1996	60
Chips & Sparks: Working in the Dark	Werner W. Dolling	Techniques	HSM Vol. 15 No. 4 Jul-Aug 1996	67
Chips & Sparks: Machine Mobility	Norman A. Vordahl	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	20
Chips & Sparks: Made in the Shade	Pete Stanaitis	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	21
Chips & Sparks: Milling a Flat	David C. Blocker	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	21
Chips & Sparks: Magnetic Base Indicator Mount	M. O. Davis	Machining Accessories	HSM Vol. 15 No. 5 Sep-Oct 1996	22
Chips & Sparks: Tighten the Spindle Pulley	Art Rachunas	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	22
Almost a Product Review	Peter Nolan	Hobby Community	HSM Vol. 15 No. 5 Sep-Oct 1996	23
Hot Bluing Steel	Steve Acker	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	28
Chips & Sparks: Setting Up Work in the Lathe	Peter J. Willox	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	33
Cutting Steel with a Circular Saw Blade	Steve Acker	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	33
An Elevated or Auxiliary Lathe Spindle – Part I	Frank A. McLean	Machining Accessories	HSM Vol. 15 No. 5 Sep-Oct 1996	34
The Walking Staff	Don Titus	Projects	HSM Vol. 15 No. 5 Sep-Oct 1996	43
A Steam/Air Engine for Fun	George Kerekgyarto	Engines	HSM Vol. 15 No. 5 Sep-Oct 1996	48
From the Scrapbox: How to Make a Chuck Backplate	Frank A. McLean	Machining Accessories	HSM Vol. 15 No. 5 Sep-Oct 1996	52
A Time for Reflection	Frank A. McLean	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	56
The Micro Machinist: Make Your Own Lathe Collets – Part I	Rudy Kouhoupt	Machining Accessories	HSM Vol. 15 No. 5 Sep-Oct 1996	58
Machining on the Internet	J. H. Mendum	General Machining Knowledge	HSM Vol. 15 No. 5 Sep-Oct 1996	62
Chips & Sparks: Change Gears	P. Isaac	Techniques	HSM Vol. 15 No. 5 Sep-Oct 1996	63
Chips & Sparks: Holding Small Threading Dies	Charles Brown	Techniques	HSM Vol. 15 No. 6 Nov-Dec 1996	20
The Micro Machinist: A Stirling-powered Tractor – Part I	Rudy Kouhoupt	Engines	HSM Vol. 15 No. 6 Nov-Dec 1996	24
An Elevated or Auxiliary Lathe Spindle – Part II	Frank A. McLean	Machining Accessories	HSM Vol. 15 No. 6 Nov-Dec 1996	32
Cylinders and Pistons for Two-stroke Cycle Model Engineers	George W. Genevro	Engines	HSM Vol. 15 No. 6 Nov-Dec 1996	38
Get a Handle On Your Lathe	John B. Gascoyne	Machining Accessories	HSM Vol. 15 No. 6 Nov-Dec 1996	46
Variations on a Whatzit	Ken Hollenbeck	Engines	HSM Vol. 15 No. 6 Nov-Dec 1996	48
The Rebirth of a Model C South Bend Lathe	Douglas Graham	Machine Tools	HSM Vol. 15 No. 6 Nov-Dec 1996	49
A Pseudo Drawbar for the Tailstock	Phil Nyman	Machining Accessories	HSM Vol. 15 No. 6 Nov-Dec 1996	52
Atlas Tailstock Modification	Bruce Jones	Machining Accessories	HSM Vol. 15 No. 6 Nov-Dec 1996	55
The Micro Machinist: make Your Own Lathe Collets – Part II	Rudy Kouhoupt	Machining Accessories	HSM Vol. 15 No. 6 Nov-Dec 1996	56
From the Scrapbox: A Spur Center for Turning Wood	Frank A. McLean	Machining Accessories	HSM Vol. 15 No. 6 Nov-Dec 1996	59
Fixturing With Collets – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 15 No. 6 Nov-Dec 1996	62
Chips & Sparks: A Three-jaw Chuck Can Be Accurate	Thomas J. Doolin	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	22

Chips & Sparks: Tapping a Channel-shaped Part	Leroy C. Bayliss	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	22
Chips & Sparks: Band Saw Improvement	Bryan E. Talbot	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	23
Chips & Sparks: Filling a Boring Bar	Ed Hughes	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	23
Chips & Sparks: Threading On a Lathe	Robert Stellhorn	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	23
A 5C Collet Adapter for the Lathe	D. E. Johnson	Machining Accessories	HSM Vol. 16 No. 1 Jan-Feb 1997	26
A Low-cost Bead Blaster	Steve Acker	Shop Accessories	HSM Vol. 16 No. 1 Jan-Feb 1997	36
A Stirling-powered Tractor – Part II - Rear Wheel Assembly	Rudy Kouhoupt	Engines	HSM Vol. 16 No. 1 Jan-Feb 1997	44
From the Scrapbox: Tool Rests for Turning Wood	Frank A. McLean	Machining Accessories	HSM Vol. 16 No. 1 Jan-Feb 1997	48
The Micro Machinist: Mounting Small Chucks and Faceplates	Rudy Kouhoupt	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	53
You Can Find It	Dana Martin Batory	Hobby Community	HSM Vol. 16 No. 1 Jan-Feb 1997	56
The Wheel You Can't Live Without	Walter B. Mueller	Machining Accessories	HSM Vol. 16 No. 1 Jan-Feb 1997	58
Supplement to the Home Shop Motor Controller	Charles Eyer	Motors	HSM Vol. 16 No. 1 Jan-Feb 1997	60
How I Almost Became a Millionaire	Jesse Livingston	Techniques	HSM Vol. 16 No. 1 Jan-Feb 1997	62
Fixturing With Collets – Part IV	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 16 No. 1 Jan-Feb 1997	63
A Stirling-powered Tractor – Part III - Gear Details and Displac	Rudy Kouhoupt	Engines	HSM Vol. 16 No. 2 Mar-Apr 1997	28
A Piloted Tap Guide Wrench	W. A. Lincoln	Machining Accessories	HSM Vol. 16 No. 2 Mar-Apr 1997	34
Mill-drill Spindle Lock	Rudi Legname	Machining Accessories	HSM Vol. 16 No. 2 Mar-Apr 1997	39
You Can Do It	Spencer Schonher	Techniques	HSM Vol. 16 No. 2 Mar-Apr 1997	40
The Universal Plain Dividing Head – Part I	Rich Kuzmack	Machining Accessories	HSM Vol. 16 No. 2 Mar-Apr 1997	41
A Faceplate Toolholder	D. M. Thomson	Machining Accessories	HSM Vol. 16 No. 2 Mar-Apr 1997	45
The Micro Machinist: Reconditioning an Atlas Milling Machine	Rudy Kouhoupt	Machine Tools	HSM Vol. 16 No. 2 Mar-Apr 1997	46
Smithy CB 1220 XL	Lon Haney	Hobby Community	HSM Vol. 16 No. 2 Mar-Apr 1997	49
A Bit of Inspiration: Machining Skills Pay Off	William H. Ganoe	Techniques	HSM Vol. 16 No. 2 Mar-Apr 1997	52
Woodworking in the Machine shop	John F. Ernest	Techniques	HSM Vol. 16 No. 2 Mar-Apr 1997	54
From the Scrapbox: How to Make a Tapered End Mill	Frank A. McLean	Machining Accessories	HSM Vol. 16 No. 2 Mar-Apr 1997	56
Fixturing With Collets – Part V	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 16 No. 2 Mar-Apr 1997	58
Wheel Cutting, Pinion Making & Depthing	Guy Lautard	Miscellaneous	HSM Vol. 16 No. 3 May-Jun 1997	22
How to Make a Skeleton Wall Clock	Guy Lautard	Clocks	HSM Vol. 16 No. 3 May-Jun 1997	24
Chips & Sparks: Simplest Phase Converter	Thomas Grimes	Miscellaneous	HSM Vol. 16 No. 3 May-Jun 1997	25
Chips & Sparks: Spindle Power for the Unimat	Mark Gallagher	Motors	HSM Vol. 16 No. 3 May-Jun 1997	25
A Victorian Engine – Part I	Philip Duclos	Engines	HSM Vol. 16 No. 3 May-Jun 1997	28
The Universal Plain Dividing Head – Part II	Rich Kuzmack	Machining Accessories	HSM Vol. 16 No. 3 May-Jun 1997	37
A Stirling-powered Tractor – Part IV - Engine	Rudy Kouhoupt	Engines	HSM Vol. 16 No. 3 May-Jun 1997	44
From the Scrapbox: A Few Thoughts on Shapers	Frank A. McLean	Techniques	HSM Vol. 16 No. 3 May-Jun 1997	51
The Micro Machinist: Reconditioning an Atlas Milling Machine	Rudy Kouhoupt	Machine Tools	HSM Vol. 16 No. 3 May-Jun 1997	58
Fixturing With Collets – Part VI	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 16 No. 3 May-Jun 1997	62
Chips & Sparks: A Fast Dressing of Band Saw Welds	Thomas J. Doolin	Techniques	HSM Vol. 16 No. 4 Jul-Aug 1997	25
Chips & Sparks: Sharpen for Brass Cutting	Charlie Blackburn	Techniques	HSM Vol. 16 No. 4 Jul-Aug 1997	25
“950 Bead Blaster from Skat Blast Manson Rifle Receiver Blue	Steve Acker	Gunsmithing	HSM Vol. 16 No. 4 Jul-Aug 1997	26
Darex Corporation's Drill Doctor	David Joly	Hobby Community	HSM Vol. 16 No. 4 Jul-Aug 1997	28
Mill-drill Adventures: New Handwheels and Leadscrew Bearir	D. E. Johnson	Machining Accessories	HSM Vol. 16 No. 4 Jul-Aug 1997	32
Adjustable Lathe Stop for Under \$15	Don Titus	Machining Accessories	HSM Vol. 16 No. 4 Jul-Aug 1997	37
Basic Industrial Electrical Control	Harold G. Cohon	Miscellaneous	HSM Vol. 16 No. 4 Jul-Aug 1997	40
A Victorian Engine – Part II	Philip Duclos	Engines	HSM Vol. 16 No. 4 Jul-Aug 1997	42
The Universal Plain Dividing Head – Part III	Rich Kuzmack	Machining Accessories	HSM Vol. 16 No. 4 Jul-Aug 1997	48
Screw Heads and Screwdrivers	Jacob Schulzinger	Hand Tools	HSM Vol. 16 No. 4 Jul-Aug 1997	52
A Stirling-powered Tractor – Part V - Gear Engagement and Fr	Rudy Kouhoupt	Engines	HSM Vol. 16 No. 4 Jul-Aug 1997	54
Grinding Tool Bits for a Smooth Cut	Frank E. Burns	Techniques	HSM Vol. 16 No. 4 Jul-Aug 1997	58
The Micro Machinist: Reconditioning an Atlas Milling Machine	Rudy Kouhoupt	Machine Tools	HSM Vol. 16 No. 4 Jul-Aug 1997	60
Fixturing With Collets – Part VII	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 16 No. 4 Jul-Aug 1997	63
Chips & Sparks: Machinist Uses for Seemingly Unrelated Prod	Thomas J. Doolin	Techniques	HSM Vol. 16 No. 5 Sep-Oct 1997	22
Chips & Sparks: Water-cooling Torches	Bill Julian	Techniques	HSM Vol. 16 No. 5 Sep-Oct 1997	22
A Fine Feed Attachment for a Vertical Mill – Part I	G. Wadham	Machining Accessories	HSM Vol. 16 No. 5 Sep-Oct 1997	24
A Victorian Engine – Part III	Philip Duclos	Engines	HSM Vol. 16 No. 5 Sep-Oct 1997	31
Mill-drill Adventures: New Handwheels and Leadscrew Bearir	D. E. Johnson	Machining Accessories	HSM Vol. 16 No. 5 Sep-Oct 1997	40
Band Saw Fixture	D. A. Drayson	Jigs & Fixtures	HSM Vol. 16 No. 5 Sep-Oct 1997	46
A Stirling-powered Tractor – Part VI - Furnace	Rudy Kouhoupt	Engines	HSM Vol. 16 No. 5 Sep-Oct 1997	47
The Universal Plain Dividing Head – Part IV	Rich Kuzmack	Machining Accessories	HSM Vol. 16 No. 5 Sep-Oct 1997	50
A Rigid Tool Bit Clamp	George W. Genevro	Machining Accessories	HSM Vol. 16 No. 5 Sep-Oct 1997	54
My Own Right Time	David Joly	Hobby Community	HSM Vol. 16 No. 5 Sep-Oct 1997	55
The Micro Machinist: Making Accurate Squares	Rudy Kouhoupt	Machining Accessories	HSM Vol. 16 No. 5 Sep-Oct 1997	56
Another Mill-drill Adventure	George E. Hoke	Techniques	HSM Vol. 16 No. 5 Sep-Oct 1997	58
A Test-tube Stirling Engine	David O'Neil	Engines	HSM Vol. 16 No. 5 Sep-Oct 1997	61
Fixturing With Collets – Part VIII	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 16 No. 5 Sep-Oct 1997	62
Grizzly G4000 Lathe	Don Perkins	Hobby Community	HSM Vol. 16 No. 6 Nov-Dec 1997	17
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 16 No. 6 Nov-Dec 1997	20
Graver Making & Hand Turning for Clockmakers & Modelmak	Guy Lautard	Hobby Community	HSM Vol. 16 No. 6 Nov-Dec 1997	22
Scrape & Shape – Part I	Stephen M. Thomas	Techniques	HSM Vol. 16 No. 6 Nov-Dec 1997	26
A Victorian Engine – Part IV	Philip Duclos	Engines	HSM Vol. 16 No. 6 Nov-Dec 1997	40
A Stirling-powered Tractor – Part VII - Cooling System and Fur	Rudy Kouhoupt	Engines	HSM Vol. 16 No. 6 Nov-Dec 1997	46
Balanced Ball Handles	Terry Sexton	Techniques	HSM Vol. 16 No. 6 Nov-Dec 1997	50
A Useful, High-quality Magnifying Glass	Guy Lautard	Hand Tools	HSM Vol. 16 No. 6 Nov-Dec 1997	55
Turning Your Vise Into a Universal Workholding System – Part	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 16 No. 6 Nov-Dec 1997	60
The Micro Machinist: Making an Angle Plate	Rudy Kouhoupt	Machining Accessories	HSM Vol. 16 No. 6 Nov-Dec 1997	63
Chips & Sparks: Computer-aided Dividing Plates	Charlie R. Foster	Machining Accessories	HSM Vol. 17 No. 1 Jan-Feb 1998	24
Chips & Sparks: Ultra Precision Parallel Set	James W. Hauser	Measuring & Layout	HSM Vol. 17 No. 1 Jan-Feb 1998	24
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 17 No. 1 Jan-Feb 1998	25
Building The Edge Master Lawn Edging Machine – Part I	D. E. Johnson	Projects	HSM Vol. 17 No. 1 Jan-Feb 1998	28
Scrape & Shape – Part II	Stephen M. Thomas	Techniques	HSM Vol. 17 No. 1 Jan-Feb 1998	35
Telegraph Key – Part I	Doug Ripka	Miscellaneous	HSM Vol. 17 No. 1 Jan-Feb 1998	42

Drawbar Knocker	Norm Wells	Machining Accessories	HSM Vol. 17 No. 1 Jan-Feb 1998	47
A Victorian Engine – Part V	Philip Duclos	Engines	HSM Vol. 17 No. 1 Jan-Feb 1998	48
The Old Compound Indexing Table Reworked	Rich Kuzmack	General Machining Knowledge	HSM Vol. 17 No. 1 Jan-Feb 1998	54
PRIME	Joe Rice	Hobby Community	HSM Vol. 17 No. 1 Jan-Feb 1998	56
The Micro Machinist: Making a Clapper	Rudy Kouhoupt	Machining Accessories	HSM Vol. 17 No. 1 Jan-Feb 1998	60
Indexing Parts in a Set	Ronald G. Darner	Techniques	HSM Vol. 17 No. 1 Jan-Feb 1998	63
Turning Your Vise Into a Universal Workholding System – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 17 No. 1 Jan-Feb 1998	64
Headstock angle Adjuster for the Sherline 4000 Lathe	John H. Denning	Machining Accessories	HSM Vol. 17 No. 1 Jan-Feb 1998	66
Chips & Sparks: All-around Access	John B. Gascoyne	Techniques	HSM Vol. 17 No. 2 Mar-Apr 1998	22
Chips & Sparks: Hacksaw Cuts	John Grass	Techniques	HSM Vol. 17 No. 2 Mar-Apr 1998	22
John Deere Model E	Joe Rice	Hobby Community	HSM Vol. 17 No. 2 Mar-Apr 1998	24
Math Solutions for Your Computer	Edward G. Hoffman	Hobby Community	HSM Vol. 17 No. 2 Mar-Apr 1998	25
Building The Edge Master Lawn Edging Machine – Part II	D. E. Johnson	Projects	HSM Vol. 17 No. 2 Mar-Apr 1998	30
Telegraph Key – Part II	Doug Ripka	Miscellaneous	HSM Vol. 17 No. 2 Mar-Apr 1998	36
Scrape & Shape – Part III	Stephen M. Thomas	Techniques	HSM Vol. 17 No. 2 Mar-Apr 1998	41
The Micro Machinist: Build & Use an Adjustable Angle Plate – Part I	Rudy Kouhoupt	Machining Accessories	HSM Vol. 17 No. 2 Mar-Apr 1998	48
Copper and Its Alloys	George W. Genevvo	General Machining Knowledge	HSM Vol. 17 No. 2 Mar-Apr 1998	51
Modify Your Bead Blast Gun	Paul J. Holm	Techniques	HSM Vol. 17 No. 2 Mar-Apr 1998	60
Turning Your Vise Into a Universal Workholding System – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 17 No. 2 Mar-Apr 1998	62
Chips & Sparks: Parting Off	John Grass	Techniques	HSM Vol. 17 No. 3 May-Jun 1998	22
Chips & Sparks: Using the Needle Point Shaft in a Wiggler Set	Leroy C. Bayliss	Techniques	HSM Vol. 17 No. 3 May-Jun 1998	22
A Filing Rest For The Sherline Lathe	W. R. Smith	Machining Accessories	HSM Vol. 17 No. 3 May-Jun 1998	26
Scrape & Shape – Part IV	Stephen M. Thomas	Techniques	HSM Vol. 17 No. 3 May-Jun 1998	35
The Micro Machinist: Build & Use an Adjustable Angle Plate – Part II	Rudy Kouhoupt	Machining Accessories	HSM Vol. 17 No. 3 May-Jun 1998	42
Additions to the Quorn tool and Cutter Grinder – Part I	Walter B. Mueller	Shop Machinery	HSM Vol. 17 No. 3 May-Jun 1998	46
Building The Edge Master Lawn Edging Machine – Part III	D. E. Johnson	Projects	HSM Vol. 17 No. 3 May-Jun 1998	54
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 17 No. 3 May-Jun 1998	59
Turning Your Vise Into a Universal Workholding System – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 17 No. 3 May-Jun 1998	60
A Mill-drill Modification	William K. Schaeffer	Machining Accessories	HSM Vol. 17 No. 3 May-Jun 1998	62
A Grease Adapter for the South Bend	Jack R. Thompson	Machine Modifications	HSM Vol. 17 No. 3 May-Jun 1998	63
Offenhauser, the Legendary American Racing Machine and The	Joe Rice	Hobby Community	HSM Vol. 17 No. 4 Jul-Aug 1998	23
Chips & Sparks: A Few Good Hints	C. Lawrence Haines	Techniques	HSM Vol. 17 No. 4 Jul-Aug 1998	24
Chips & Sparks: A Floating Drive	Thomas LaMance	Machining Accessories	HSM Vol. 17 No. 4 Jul-Aug 1998	24
Chips & Sparks: Found Materials	Gene Switzer	Techniques	HSM Vol. 17 No. 4 Jul-Aug 1998	24
Chips & Sparks: Sharpening Lathe Tools	Charles H. Loer	Techniques	HSM Vol. 17 No. 4 Jul-Aug 1998	24
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 17 No. 4 Jul-Aug 1998	25
Shooting Star Technology CBX Digital Readout	John Graff	Hobby Community	HSM Vol. 17 No. 4 Jul-Aug 1998	26
Build Your Own Shaper – Part I	Marsh Collins	Machine Tools	HSM Vol. 17 No. 4 Jul-Aug 1998	30
Scrape & Shape – Part V	Stephen M. Thomas	Techniques	HSM Vol. 17 No. 4 Jul-Aug 1998	38
Pulley Arrangement vs. Spindle Speed	Jim Reynolds	Techniques	HSM Vol. 17 No. 4 Jul-Aug 1998	44
Additions to the Quorn tool and Cutter Grinder – Part II	Walter B. Mueller	Shop Machinery	HSM Vol. 17 No. 4 Jul-Aug 1998	46
Building The Edge Master Lawn Edging Machine – Part IV	D. E. Johnson	Projects	HSM Vol. 17 No. 4 Jul-Aug 1998	53
A Wooden Work Support in the Mill	Corrine Hummel	Machining Accessories	HSM Vol. 17 No. 4 Jul-Aug 1998	58
The Micro Machinist: Build & Use an Adjustable Angle Plate – Part II	Rudy Kouhoupt	Machining Accessories	HSM Vol. 17 No. 4 Jul-Aug 1998	60
Turning Your Vise Into a Universal Workholding System – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 17 No. 4 Jul-Aug 1998	63
Chips & Sparks: Band Saw Blade Fixture	Ray Ashcraft	Jigs & Fixtures	HSM Vol. 17 No. 5 Sep-Oct 1998	24
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 17 No. 5 Sep-Oct 1998	24
Thermal Dynamics Air Plasma Cutting System	James Hesse	Hobby Community	HSM Vol. 17 No. 5 Sep-Oct 1998	25
A Saw Table for the Sherline Lathe	W. R. Smith	Machining Accessories	HSM Vol. 17 No. 5 Sep-Oct 1998	28
The Erten Machining Center	Max Ben-Aaron	Machine Tools	HSM Vol. 17 No. 5 Sep-Oct 1998	33
E-Z Bore	Donald Erickson	Machining Accessories	HSM Vol. 17 No. 5 Sep-Oct 1998	37
A Mechanical Lift for a Drill Press Table	Robert Cortner	Machining Accessories	HSM Vol. 17 No. 5 Sep-Oct 1998	38
Build Your Own Shaper – Part II	Marsh Collins	Machine Tools	HSM Vol. 17 No. 5 Sep-Oct 1998	40
Building The Edge Master Lawn Edging Machine – Part V	D. E. Johnson	Projects	HSM Vol. 17 No. 5 Sep-Oct 1998	46
Cabin Fever 1998	Joe Rice	Hobby Community	HSM Vol. 17 No. 5 Sep-Oct 1998	52
Using a Computer to Draw Scales	James R. Instone	Techniques	HSM Vol. 17 No. 5 Sep-Oct 1998	56
Magnetic Mandrel	Clayton Punshon	Machining Accessories	HSM Vol. 17 No. 5 Sep-Oct 1998	58
The Micro Machinist: Indexing Centers – Part I	Rudy Kouhoupt	Machining Accessories	HSM Vol. 17 No. 5 Sep-Oct 1998	59
Turning Your Vise Into a Universal Workholding System – Part IV	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 17 No. 5 Sep-Oct 1998	62
Richlite Fibre Laminate	Edward G. Hoffman	Hobby Community	HSM Vol. 17 No. 6 Nov-Dec 1998	26
Chips & Sparks: Peace and Quiet	Barry Sulkin	Techniques	HSM Vol. 17 No. 6 Nov-Dec 1998	27
Mill-drill Adventures Indexing and Dividing	D. E. Johnson	Machining Accessories	HSM Vol. 17 No. 6 Nov-Dec 1998	28
Gear Cutting on the Sherline Lathe – Part I - Configuring the S	W. R. Smith	Techniques	HSM Vol. 17 No. 6 Nov-Dec 1998	34
The Micro Machinist: Indexing Centers – Part II	Rudy Kouhoupt	Machining Accessories	HSM Vol. 17 No. 6 Nov-Dec 1998	42
Quick Graduated Collars	Don Verdiani	Machine Tools	HSM Vol. 17 No. 6 Nov-Dec 1998	46
Two-Speed Belt Transmission	Jack Butz	Techniques	HSM Vol. 17 No. 6 Nov-Dec 1998	48
On Pumps and Pumping	Alberto Marx	Techniques	HSM Vol. 17 No. 6 Nov-Dec 1998	50
PC Board Vise	Alan D. Rauscher	Shop Accessories	HSM Vol. 17 No. 6 Nov-Dec 1998	54
Grizzly 8 Table Indexing Plates Summary	Clifton E. R. Lawson	Machining Accessories	HSM Vol. 17 No. 6 Nov-Dec 1998	58
Troubleshooting Primary Reasons for Scrap	Robert L. Grady	Techniques	HSM Vol. 17 No. 6 Nov-Dec 1998	60
Turning Your Vise Into a Universal Workholding System – Part V	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 17 No. 6 Nov-Dec 1998	62
1998 N.A.M.E.S. Exhibition	Joe Rice	Hobby Community	HSM Vol. 17 No. 6 Nov-Dec 1998	65
Examining a Used Lathe and Mill	Clover McKinley	Hobby Community	HSM Vol. 18 No. 1 Jan-Feb 1999	27
Tabletop Machining	Joe Rice	Hobby Community	HSM Vol. 18 No. 1 Jan-Feb 1999	27
A Lathe Tool Post Grinder for Serious Grinding – Part I	D. E. Johnson	Machining Accessories	HSM Vol. 18 No. 1 Jan-Feb 1999	28
Gear Cutting on the Sherline Lathe – Part II	W. R. Smith	Techniques	HSM Vol. 18 No. 1 Jan-Feb 1999	35
The Micro Machinist: Indexing Centers – Part III	Rudy Kouhoupt	Machining Accessories	HSM Vol. 18 No. 1 Jan-Feb 1999	42
Build Your Own Shaper – Part III	Marsh Collins	Machine Tools	HSM Vol. 18 No. 1 Jan-Feb 1999	46
Welding Up a Meat Smoker	Steve Acker	Welding/Foundry/Forging	HSM Vol. 18 No. 1 Jan-Feb 1999	54
Reducing Workholder Weight – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 18 No. 1 Jan-Feb 1999	62

Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 18 No. 2 Mar-Apr 1999	26
Chips & Sparks: Toolholder for a Lathe	Gene Switzer	Machining Accessories	HSM Vol. 18 No. 2 Mar-Apr 1999	27
A Lathe Tool Post Grinder for Serious Grinding – Part II	D. E. Johnson	Machining Accessories	HSM Vol. 18 No. 2 Mar-Apr 1999	28
Build Your Own Shaper – Part IV	Marsh Collins	Machine Tools	HSM Vol. 18 No. 2 Mar-Apr 1999	35
Gear Cutting on the Sherline Lathe – Part III	W. R. Smith	Techniques	HSM Vol. 18 No. 2 Mar-Apr 1999	42
Thin Sheet Filing Fixture	Ted Wright	Jigs & Fixtures	HSM Vol. 18 No. 2 Mar-Apr 1999	48
Understanding Abrasives – Part I	George W. Geneviro	General Machining Knowledge	HSM Vol. 18 No. 2 Mar-Apr 1999	50
Tale of a Jet GHB Gap Bed Lathe	Patrick Tooke	Techniques	HSM Vol. 18 No. 2 Mar-Apr 1999	54
The Micro Machinist: A Mechanical Revolutions Counter – Part I	Rudy Kouhoup	Machining Accessories	HSM Vol. 18 No. 2 Mar-Apr 1999	56
Reducing Workholder Weight – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 18 No. 2 Mar-Apr 1999	60
Brown & Sharpe Digital Electronic Caliper	Edward G. Hoffman	Hobby Community	HSM Vol. 18 No. 3 May-Jun 1999	8
Kroy Light Table	Edward G. Hoffman	Miscellaneous	HSM Vol. 18 No. 3 May-Jun 1999	8
Q & A	Lynn Everett	General Machining Knowledge	HSM Vol. 18 No. 3 May-Jun 1999	10
Q & A	Rudy Kouhoup	Techniques	HSM Vol. 18 No. 3 May-Jun 1999	10
Making An Eight Day Longcase Clock - Timmins	Clover McKinley	Hobby Community	HSM Vol. 18 No. 3 May-Jun 1999	13
Sheetmetal Fabrication: Sheetmetal Layout – Part IV	Richard J. Loescher	Miscellaneous	HSM Vol. 18 No. 3 May-Jun 1999	20
Two Machining Aids	John Campbell	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	22
About Dimensions	James Hamill	General Machining Knowledge	HSM Vol. 18 No. 3 May-Jun 1999	24
Machine Shop Calculations: Bend Allowances	Edward G. Hoffman	General Machining Knowledge	HSM Vol. 18 No. 3 May-Jun 1999	26
Plain Talk About Stick Electrode Arc Welding – Part II	Charles K. Hunt	Welding/Foundry/Forging	HSM Vol. 18 No. 3 May-Jun 1999	28
An Expanding Mandrel	W. Pete Peterka	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	30
Radius Turning Attachment	Theodore M. Clarke	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	32
Micrometer Dial for the Tailstock	W.C. Grosjean	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	40
Micrometer Dial for the Tailstock	W.C. Grosjean	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	40
A Digital Readout for Your Vertical Milling Machine	Guy Lautard	Mills	HSM Vol. 18 No. 3 May-Jun 1999	44
A Simple Die Filer	D. W. Holen	Shop Machinery	HSM Vol. 18 No. 3 May-Jun 1999	48
Practical Design Hints: Machining – Part I	Frederico Strasser	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	50
Thread and Screw Making	George A. Kwasniewski	General Machining Knowledge	HSM Vol. 18 No. 3 May-Jun 1999	54
Simple Chucks to Protect Finished Pieces	W. Pete Peterka	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	57
You Need A Rest!	John Dean	Lathes	HSM Vol. 18 No. 3 May-Jun 1999	58
From the Scrapbox: A Few Tips on Drilling on a Drill Press or a	Frank A. McLean	Shop Machinery	HSM Vol. 18 No. 3 May-Jun 1999	60
The Micro Machinist: Machine Shop in a Cabinet	Rudy Kouhoup	Miscellaneous	HSM Vol. 18 No. 3 May-Jun 1999	62
Micrometer Stand	Don McCormac	Shop Accessories	HSM Vol. 18 No. 3 May-Jun 1999	64
Q & A	Frank A. McLean	General Machining Knowledge	HSM Vol. 18 No. 4 Jul-Aug 1999	10
Bench Grinder Safety – Part III	Edward G. Hoffman	Shop Machinery	HSM Vol. 18 No. 4 Jul-Aug 1999	16
Chips & Sparks: Bottles for the Home Shop	Eddie M. Zorrosso	Miscellaneous	HSM Vol. 18 No. 4 Jul-Aug 1999	24
Chips & Sparks: Floating Chucks	Michel Jacot	Machining Accessories	HSM Vol. 18 No. 4 Jul-Aug 1999	24
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 18 No. 4 Jul-Aug 1999	26
Metric Threads From Your English Lathe	Lawrence Craig	Techniques	HSM Vol. 18 No. 4 Jul-Aug 1999	26
Building a Metal-bodied Hand Plane – Part I	Stephen M. Thomas	Projects	HSM Vol. 18 No. 4 Jul-Aug 1999	28
Building a Target Rifle – Part II	Steve Acker	Gunsmithing	HSM Vol. 18 No. 4 Jul-Aug 1999	36
Workholder Alternatives – Part II	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 18 No. 4 Jul-Aug 1999	41
Upgrading to Variable Speed DC	Steve Acker	Techniques	HSM Vol. 18 No. 4 Jul-Aug 1999	43
The Brass Pad	John B. Gascoyne	Jigs & Fixtures	HSM Vol. 18 No. 4 Jul-Aug 1999	45
Metric Threads	John S. Culver	Techniques	HSM Vol. 18 No. 4 Jul-Aug 1999	46
Horizontal Band Saw – Part II	James S. McKnight	Machine Tools	HSM Vol. 18 No. 4 Jul-Aug 1999	48
The Micro Machinist: A Mechanical Revolutions Counter – Part II	Rudy Kouhoup	Machining Accessories	HSM Vol. 18 No. 4 Jul-Aug 1999	55
Workholder Alternatives – Part I	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 18 No. 4 Jul-Aug 1999	58
Laser Alignment for the Home Shop	Joe Black	Techniques	HSM Vol. 18 No. 4 Jul-Aug 1999	62
A 5C Collet Chuck	Guy Lautard	Hobby Community	HSM Vol. 18 No. 5 Sep-Oct 1999	24
Cutting a Non-standard Radius on a Milling Machine	Ed Wolcott	Techniques	HSM Vol. 18 No. 5 Sep-Oct 1999	33
Improve Your Lathe Drawbar	Phil Nyman	Techniques	HSM Vol. 18 No. 5 Sep-Oct 1999	34
The Micro Machinist: A Mechanical Stroboscope – Part I	Rudy Kouhoup	Shop Accessories	HSM Vol. 18 No. 5 Sep-Oct 1999	38
Building a Target Rifle – Part III	Steve Acker	Gunsmithing	HSM Vol. 18 No. 5 Sep-Oct 1999	46
Horizontal Band Saw – Part III	James S. McKnight	Machine Tools	HSM Vol. 18 No. 5 Sep-Oct 1999	54
Crankcases, Crankshafts, and Connecting Rods for Model Eng	George W. Geneviro	Engines	HSM Vol. 18 No. 5 Sep-Oct 1999	28
Zinc Aluminum Alloy Sleeve Bearings for a Dividing Head Upgr	Theodore M. Clarke	Techniques	HSM Vol. 18 No. 5 Sep-Oct 1999	60
Building a Metal-bodied Hand Plane – Part II	Stephen M. Thomas	Projects	HSM Vol. 18 No. 5 Sep-Oct 1999	62
Brass Clock Kit	Mark McKinley	Hobby Community	HSM Vol. 18 No. 6 Nov-Dec 1999	24
Fender Arches Videotape	Guy Lautard	Hobby Community	HSM Vol. 18 No. 6 Nov-Dec 1999	24
Three Elegant Oscillators	Clover McKinley	Hobby Community	HSM Vol. 18 No. 6 Nov-Dec 1999	26
A Very Much Improved Quorn Tool and Cutter Grinder – Part I	Walter B. Mueller	Shop Machinery	HSM Vol. 18 No. 6 Nov-Dec 1999	30
A Mobile Lathe Stand	Rudy Kouhoup	Machining Accessories	HSM Vol. 18 No. 6 Nov-Dec 1999	38
Building a Metal-bodied Hand Plane – Part III	Stephen M. Thomas	Projects	HSM Vol. 18 No. 6 Nov-Dec 1999	44
Building a Target Rifle – Part IV	Steve Acker	Gunsmithing	HSM Vol. 18 No. 6 Nov-Dec 1999	48
Crankcases, Crankshafts, and Connecting Rods for Model Eng	George W. Geneviro	Engines	HSM Vol. 18 No. 6 Nov-Dec 1999	55
The Micro Machinist: A Mechanical Stroboscope – Part II	Rudy Kouhoup	Shop Accessories	HSM Vol. 18 No. 6 Nov-Dec 1999	60
Workholder Alternatives – Part III	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 18 No. 6 Nov-Dec 1999	63
Chips & Sparks: A Challenge	Richard Gideon	Techniques	HSM Vol. 19 No. 1 Jan-Feb 2000	24
Chips & Sparks: Holding Short Stock	Roger Claude	Techniques	HSM Vol. 19 No. 1 Jan-Feb 2000	24
Chips & Sparks: Indexing Stops	Robert M. Vaughn	Techniques	HSM Vol. 19 No. 1 Jan-Feb 2000	24
Incra, A Holy Rule	Stan Searing	Hobby Community	HSM Vol. 19 No. 1 Jan-Feb 2000	26
Prazi SD300 5 x 12 Masterturn Metal Lathe and BF 400 Vertic	Don E. Jones	Hobby Community	HSM Vol. 19 No. 1 Jan-Feb 2000	28
Tooling the Workshop for Clockmakers and Model Makers	Guy Lautard	Hobby Community	HSM Vol. 19 No. 1 Jan-Feb 2000	31
Applying a Quill DRO to a Small Vertical Mill – Part I	Jim Gavin	Mills	HSM Vol. 19 No. 1 Jan-Feb 2000	32
A Very Much Improved Quorn Tool and Cutter Grinder – Part I	Walter B. Mueller	Shop Machinery	HSM Vol. 19 No. 1 Jan-Feb 2000	39
A Multiple Project – Part I - Radius Attachment	Birk Petersen	Machining Accessories	HSM Vol. 19 No. 1 Jan-Feb 2000	44
Ball Turning	Earl Anderson	Techniques	HSM Vol. 19 No. 1 Jan-Feb 2000	52
Improving a Chinese-born Lathe	Paul T. Lindemann	Techniques	HSM Vol. 19 No. 1 Jan-Feb 2000	53
The Micro Machinist: A Mechanical Stroboscope – Part III	Rudy Kouhoup	Shop Accessories	HSM Vol. 19 No. 1 Jan-Feb 2000	56

Taxes and Homework	Mark E. Battersby	Hobby Community	HSM Vol. 19 No. 1 Jan-Feb 2000	60
Workholding Alternatives – Part IV	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 19 No. 1 Jan-Feb 2000	62
Machine Shop Crossword Puzzle	James R. Instone	Miscellaneous	HSM Vol. 19 No. 1 Jan-Feb 2000	65
Multitool Belt and Disk Grinding Attachment	Edward G. Hoffman	Hobby Community	HSM Vol. 19 No. 2 Mar-Apr 2000	28
Applying a Quill DRO to a Small Vertical Mill – Part II	Jim Gavin	Mills	HSM Vol. 19 No. 2 Mar-Apr 2000	32
A Very Much Improved Quorn Tool and Cutter Grinder – Part I	Walter B. Mueller	Shop Machinery	HSM Vol. 19 No. 2 Mar-Apr 2000	37
A Multiple Project – Part II - Engraver's Block; Bench Block and Morse Taper Work Arbors for an Oversized Project	Birk Petersen	Jigs & Fixtures	HSM Vol. 19 No. 2 Mar-Apr 2000	42
V-Block/Center Drilling Fixture	Lowell P. Braxton	Machining Accessories	HSM Vol. 19 No. 2 Mar-Apr 2000	50
The Micro Machinist: Carriage Stops	James S. McKnight	Machining Accessories	HSM Vol. 19 No. 2 Mar-Apr 2000	55
Workholding Alternatives – Part V	Rudy Kouhoup	Machining Accessories	HSM Vol. 19 No. 2 Mar-Apr 2000	58
Chips & Sparks: I.D.-ing the Oil	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 19 No. 2 Mar-Apr 2000	61
Chips & Sparks: Quick Table Mount	Harold G. Cohon	Techniques	HSM Vol. 19 No. 3 May-Jun 2000	24
5c Collet Closer – Part I	Alton A. Dubois, Jr.	Machining Accessories	HSM Vol. 19 No. 3 May-Jun 2000	24
Rotary Tables	Norman Telleson	Machining Accessories	HSM Vol. 19 No. 3 May-Jun 2000	28
The Lathe Thread-chasing Dial – Lathes With Inch-thread Screws	Edward G. Hoffman	Machining Accessories	HSM Vol. 19 No. 3 May-Jun 2000	35
A Very Much Improved Quorn Tool and Cutter Grinder – Part II	Peter F. Lott	Machining Accessories	HSM Vol. 19 No. 3 May-Jun 2000	38
The Real Spindle Lock	Walter B. Mueller	Shop Machinery	HSM Vol. 19 No. 3 May-Jun 2000	42
A Fixture for Thin Stuff	Lou Schneider	Machining Accessories	HSM Vol. 19 No. 3 May-Jun 2000	50
Taming the Recoil	James DeLong	Jigs & Fixtures	HSM Vol. 19 No. 3 May-Jun 2000	52
Turning a Thin Wall in Teflon	Marsh Collins	Gunsmithing	HSM Vol. 19 No. 3 May-Jun 2000	53
The Micro Machinist: Cross Slide Stops	Theodore R. McDowell	Techniques	HSM Vol. 19 No. 3 May-Jun 2000	55
Workholding Alternatives – Part VI	Rudy Kouhoup	Machining Accessories	HSM Vol. 19 No. 3 May-Jun 2000	56
The Art of Recycling	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 19 No. 3 May-Jun 2000	59
Toolmakers' Buttons Generate Precision Holes	Robert L. Grady	Techniques	HSM Vol. 19 No. 3 May-Jun 2000	62
Machine Shop Crossword Puzzle	Eugene L. Gotz	Shop Accessories	HSM Vol. 19 No. 3 May-Jun 2000	64
The Micro Machinist: Make a Magnetic Lathe Chuck – Part I	James R. Instone	Miscellaneous	HSM Vol. 19 No. 3 May-Jun 2000	65
Filing Parallel	Rudy Kouhoup	Machining Accessories	HSM Vol. 19 No. 4 Jul-Aug 2000	28
A Dremel Drill Attachment	James S. McKnight	Miscellaneous	HSM Vol. 19 No. 4 Jul-Aug 2000	30
Atlas/Craftsman Slide Stop	Jerry Pontius	Hand Tools	HSM Vol. 19 No. 4 Jul-Aug 2000	33
Sharpen Those Drill Bits – Part I	James D. Piazza	Machining Accessories	HSM Vol. 19 No. 4 Jul-Aug 2000	42
Electric Discharge Machine (EDM)	Paul J. Holm	Machining Accessories	HSM Vol. 19 No. 4 Jul-Aug 2000	45
Upgrading an Old Bridgeport	Ken Round	Machining Accessories	HSM Vol. 19 No. 4 Jul-Aug 2000	48
Selecting Mechanical Fasteners – Part I	Randall Courts	Techniques	HSM Vol. 19 No. 4 Jul-Aug 2000	58
Chips & Sparks: A Simpler Brass Pad	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 19 No. 4 Jul-Aug 2000	61
Chips & Sparks: Good Oilers	Gordon Bader	Machining Accessories	HSM Vol. 19 No. 5 Sep-Oct 2000	20
Chips & Sparks: Pivoting Depth Gage	Charles H. Loer	Machine Modifications	HSM Vol. 19 No. 5 Sep-Oct 2000	22
Chips & Sparks: Socket Wrench	Al Sohl, Jr.	Measuring & Layout	HSM Vol. 19 No. 5 Sep-Oct 2000	24
Chips & Sparks: Floating Chucks	Thomas D. Sharples	Hand Tools	HSM Vol. 19 No. 5 Sep-Oct 2000	26
Free Pendulum Clock – Part I	Michel Jacot	Machining Accessories	HSM Vol. 19 No. 5 Sep-Oct 2000	27
A Homemade Magnetizer-Demagnetizer	Jeffrey C. Maier	Clocks	HSM Vol. 19 No. 5 Sep-Oct 2000	28
Sharpen Those Drill Bits – Part II	Jim Wiley	Shop Accessories	HSM Vol. 19 No. 5 Sep-Oct 2000	35
Self-centering Drill Jig	Paul J. Holm	Machining Accessories	HSM Vol. 19 No. 5 Sep-Oct 2000	42
A Poor Man's Level	James S. McKnight	Machining Accessories	HSM Vol. 19 No. 5 Sep-Oct 2000	49
Chips & Sparks: Band Saw Modifications	Jack R. Thompson	Measuring & Layout	HSM Vol. 19 No. 5 Sep-Oct 2000	52
Small Precision Balls	Harold G. Cohon	Techniques	HSM Vol. 19 No. 5 Sep-Oct 2000	53
The Micro Machinist: Make a Magnetic Lathe Chuck – Part II	John Bochert	Techniques	HSM Vol. 19 No. 5 Sep-Oct 2000	54
Mill Restoration	Rudy Kouhoup	Machining Accessories	HSM Vol. 19 No. 5 Sep-Oct 2000	56
Selecting Mechanical Fasteners – Part II	Martin Ford	Machine Tools	HSM Vol. 19 No. 5 Sep-Oct 2000	58
Grizzly 13 x 40 Lathe	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 19 No. 5 Sep-Oct 2000	61
Build an Air Compressor	Jean Michel	Machine Tools	HSM Vol. 19 No. 5 Sep-Oct 2000	64
Driving the Stirling-Powered Tractor	Jim Reynolds	Shop Machinery	HSM Vol. 19 No. 6 Nov-Dec 2000	35
Free Pendulum Clock – Part II	Norman Briskman	Engines	HSM Vol. 19 No. 6 Nov-Dec 2000	44
Miniature Height Gage	Jeffrey C. Maier	Clocks	HSM Vol. 19 No. 6 Nov-Dec 2000	50
Parting Tool Holder	James S. McKnight	Measuring & Layout	HSM Vol. 19 No. 6 Nov-Dec 2000	56
The Micro Machinist: Make a Magnetic Lathe Chuck – Part III	Wayne Gosnell	Machining Accessories	HSM Vol. 19 No. 6 Nov-Dec 2000	60
Selecting Mechanical Fasteners – Part III	Rudy Kouhoup	Machining Accessories	HSM Vol. 19 No. 6 Nov-Dec 2000	62
Secret Workshop Business	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 19 No. 6 Nov-Dec 2000	64
Book Review: Iron Melting Cupola Furnaces by Steve Chastair	Terry Sexton	Miscellaneous	HSM Vol. 19 No. 6 Nov-Dec 2000	67
The Phoenix Horizontal Milling and Boring Machine – Part 1	Steve Acker	Hobby Community	HSM Vol. 20 No. 1 Jan-Feb 2001	18
Additions and Modifications to the Sakai ML-360 Lathe	A. N. Eastwood	Machine Tools	HSM Vol. 20 No. 1 Jan-Feb 2001	20
The Poor Man's T-Slot Rotary Table – Part 1	Roger Lang	Machine Tools	HSM Vol. 20 No. 1 Jan-Feb 2001	26
Free Pendulum Clock – Part 3	Wayne Hanson	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	32
Another Edge Finder	Jeffrey C. Maier	Clocks	HSM Vol. 20 No. 1 Jan-Feb 2001	40
Bench Blocks	Richard Young	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	50
Projects Without Drawings	Michael T. Yamamoto	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	52
Miniature Bender	Michael T. Yamamoto	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	52
Small Blow Gun	Michael T. Yamamoto	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	54
Fine Oil Dispenser	Michael T. Yamamoto	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	54
How Many Turns? How Many Holes?	Michael T. Yamamoto	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	55
The Micro Machinist: A Balanced Knurling Tool – Part 1	M V Stivison	Measuring & Layout	HSM Vol. 20 No. 1 Jan-Feb 2001	56
Clamp Set for Your Mill	Rudy Kouhoup	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	58
Jigs & Fixtures: Selecting Mechanical Fasteners – Part 4	Jack R. Thompson	Machining Accessories	HSM Vol. 20 No. 1 Jan-Feb 2001	61
Tapping Machine	Edward G. Hoffman	Miscellaneous	HSM Vol. 20 No. 1 Jan-Feb 2001	62
The Phoenix Horizontal Milling and Boring Machine – Part 2	Richard Butterick	Machining Accessories	HSM Vol. 20 No. 2 Mar-Apr 2001	22
Free Pendulum Clock – Part 4	A. N. Eastwood	Machine Tools	HSM Vol. 20 No. 2 Mar-Apr 2001	32
The Poor Man's T-Slot Rotary Table – Part 2	Jeffrey C. Maier	Clocks	HSM Vol. 20 No. 2 Mar-Apr 2001	42
The Micro Machinist: A Balanced Knurling Tool – Part 2	Wayne Hanson	Machining Accessories	HSM Vol. 20 No. 2 Mar-Apr 2001	50
Jigs & Fixtures: Selecting Mechanical Fasteners – Part 5	Rudy Kouhoup	Machining Accessories	HSM Vol. 20 No. 2 Mar-Apr 2001	56
Tilt Body Indexer – Part 1	Edward G. Hoffman	Miscellaneous	HSM Vol. 20 No. 2 Mar-Apr 2001	60
	Wayne Hanson	Machining Accessories	HSM Vol. 20 No. 3 May-Jun 2001	18

Tapping Machine – Part 2	Richard Butterick	Machining Accessories	HSM Vol. 20 No. 3 May-Jun 2001	28
The Phoenix Horizontal Milling and Boring Machine – Part 3	A. N. Eastwood	Machine Tools	HSM Vol. 20 No. 3 May-Jun 2001	36
Free Pendulum Clock – Part 5	Jeffrey C. Maier	Clocks	HSM Vol. 20 No. 3 May-Jun 2001	46
The Micro Machinist: A Balanced Knurling Tool – Part 3	Rudy Kouhoup	Machining Accessories	HSM Vol. 20 No. 3 May-Jun 2001	56
Jig & Fixtures - Selecting Mechanical Fasteners – Part 6	Edward G. Hoffman	Miscellaneous	HSM Vol. 20 No. 3 May-Jun 2001	60
The Micro Machinist: An Atlas Mill Update – Part 1	Rudy Kouhoup	Machine Modifications	HSM Vol. 20 No. 4 Jul-Aug 2001	16
Casting Iron in the Home Foundry	Stephen Chastain	Welding/Foundry/Forging	HSM Vol. 20 No. 4 Jul-Aug 2001	22
Tapping Machine – Part 3	Richard Butterick	Machining Accessories	HSM Vol. 20 No. 4 Jul-Aug 2001	32
Tilt Body Indexer – Part 2	Wayne Hanson	Machining Accessories	HSM Vol. 20 No. 4 Jul-Aug 2001	38
The Phoenix Horizontal Milling and Boring Machine – Part 4	A. N. Eastwood	Machine Tools	HSM Vol. 20 No. 4 Jul-Aug 2001	47
Machining a Cast Iron Faceplate	Steve Acker	Machining Accessories	HSM Vol. 20 No. 4 Jul-Aug 2001	54
Overhauling the Old Lady	Marsh Collins	Lathes	HSM Vol. 20 No. 4 Jul-Aug 2001	60
Angle Measurement with an Adjustable Square	Robert D. Swinney	Measuring & Layout	HSM Vol. 20 No. 4 Jul-Aug 2001	61
Larger Spherical Radii	John Bochart	Techniques	HSM Vol. 20 No. 4 Jul-Aug 2001	62
A Modified Base for a Band Saw	Jim McKee	Machine Modifications	HSM Vol. 20 No. 4 Jul-Aug 2001	64
Jigs & Fixtures: Lifting Devices – Part 1	Edward G. Hoffman	Techniques	HSM Vol. 20 No. 4 Jul-Aug 2001	66
Tesla Turbine Part 1	Jeffrey C. Maier	Engines	HSM Vol. 20 No. 5 Sep-Oct 2001	18
Tilt Body Indexer Part 3	Wayne Hanson	Machining Accessories	HSM Vol. 20 No. 5 Sep-Oct 2001	34
The Phoenix Horizontal Milling and Boring Machine – Part 5	A. N. Eastwood	Machine Tools	HSM Vol. 20 No. 5 Sep-Oct 2001	42
Digital Readout for the Grizzly G-1005 Mill-Drill Part 1	Roland W. Friestad	Mills	HSM Vol. 20 No. 5 Sep-Oct 2001	52
Scroll Chucks - Their Care and Repair	Nathan Miller	Miscellaneous	HSM Vol. 20 No. 5 Sep-Oct 2001	58
A Locating Stop for the Milling Vise	Glenn L. Wilson	Machining Accessories	HSM Vol. 20 No. 5 Sep-Oct 2001	62
Setting Up Fly-cutter Bits	Gary Christiansen	Techniques	HSM Vol. 20 No. 5 Sep-Oct 2001	64
An Atlas Mill Update Part 2	Rudy Kouhoup	Machine Modifications	HSM Vol. 20 No. 5 Sep-Oct 2001	66
Jigs & Fixtures: Lifting Devices – Part 2	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 20 No. 5 Sep-Oct 2001	70
Angle Makes All the Difference!	Paul J. Holm	Shop Accessories	HSM Vol. 20 No. 6 Nov-Dec 2001	18
Induction Motors and Rotary Phase Converters	Robert D. Swinney	Miscellaneous	HSM Vol. 20 No. 6 Nov-Dec 2001	26
Tilt Body Indexer Part 4	Wayne Hanson	Machining Accessories	HSM Vol. 20 No. 6 Nov-Dec 2001	38
Tesla Turbine – Part 2	Jeffrey C. Maier	Engines	HSM Vol. 20 No. 6 Nov-Dec 2001	43
Replacing Quill Bearings	Marsh Collins	Mills	HSM Vol. 20 No. 6 Nov-Dec 2001	52
Overhauling a Jacobs Chuck	Martin Gingrich	Lathes	HSM Vol. 20 No. 6 Nov-Dec 2001	55
Tale of Three Smoke-poles	Birk Petersen	Gunsmithing	HSM Vol. 20 No. 6 Nov-Dec 2001	57
Digital Readout for the Grizzly G-1005 Mill-Drill Part 2	Roland W. Friestad	Mills	HSM Vol. 20 No. 6 Nov-Dec 2001	58
An Easy Lathe Collet Adapter	James S. McKnight	Machine Tools	HSM Vol. 20 No. 6 Nov-Dec 2001	61
An Atlas Mill Update Part 3	Rudy Kouhoup	Machine Modifications	HSM Vol. 20 No. 6 Nov-Dec 2001	64
Jigs & Fixtures: Lifting Devices – Part 3	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 20 No. 6 Nov-Dec 2001	67
Electric Engine	Don H. Vreeland	Engines	HSM Vol. 21 No. 1 Jan-Feb 2002	18
Linux in the Home Workshop	Wayde Gutman	Computers	HSM Vol. 21 No. 1 Jan-Feb 2002	24
Potter's Wheel – Part 1	Guy Ells	Projects	HSM Vol. 21 No. 1 Jan-Feb 2002	26
Basic Machining Reference Handbook	Raymond D. Niergarth	Hobby Community	HSM Vol. 21 No. 1 Jan-Feb 2002	34
Workshop Procedures for Clockmakers and Modelmakers	Guy Lautard	Hobby Community	HSM Vol. 21 No. 1 Jan-Feb 2002	39
Tesla Turbine – Part 3	Jeffrey C. Maier	Engines	HSM Vol. 21 No. 1 Jan-Feb 2002	41
Upgrading a Cintilate Dial	Ed Ashby	Machine Modifications	HSM Vol. 21 No. 1 Jan-Feb 2002	49
Like a Bridge Over Troublesome Shapes	Charles St. Louis	Measuring & Layout	HSM Vol. 21 No. 1 Jan-Feb 2002	52
An Atlas Mill Update – Part 4	Rudy Kouhoup	Machine Tools	HSM Vol. 21 No. 1 Jan-Feb 2002	54
Retrofit a Grizzly G1005 Mill-Drill to CNC – Part 1	Roland W. Friestad	Computers	HSM Vol. 21 No. 1 Jan-Feb 2002	58
Jigs & Fixtures: Setup Tips	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 21 No. 1 Jan-Feb 2002	62
Build a Quick-Change Toolholder – Part 1	Rudy Kouhoup	Machining Accessories	HSM Vol. 21 No. 2 Mar-Apr 2002	16
Tesla Turbine – Part 4	Jeffrey C. Maier	Engines	HSM Vol. 21 No. 2 Mar-Apr 2002	20
Potter's Wheel – Part 2	Guy Ells	Projects	HSM Vol. 21 No. 2 Mar-Apr 2002	26
Vane Pump	Jim Reynolds	Shop Machinery	HSM Vol. 21 No. 2 Mar-Apr 2002	39
Americanizing a Falcon Lathe	Ed Ashby	Machine Modifications	HSM Vol. 21 No. 2 Mar-Apr 2002	46
Retrofit a Grizzly G1005 Mill-Drill to CNC – Part 2	Roland W. Friestad	Computers	HSM Vol. 21 No. 2 Mar-Apr 2002	50
Jigs & Fixtures: Setup Tips – Part 2	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 21 No. 2 Mar-Apr 2002	56
Hobbing Gears in a Mill	Terry Sexton	Mills	HSM Vol. 21 No. 3 May-Jun 2002	12
Pick-off Gears - An Explanation	Terry Sexton	Machining Accessories	HSM Vol. 21 No. 3 May-Jun 2002	21
Hand-held Dial Indicator Tester	Ferdinand Baar	Measuring & Layout	HSM Vol. 21 No. 3 May-Jun 2002	24
Tesla Turbine – Part 5	Jeffrey C. Maier	Engines	HSM Vol. 21 No. 3 May-Jun 2002	30
Buffers Etcetera	Wayne Hanson	Shop Machinery	HSM Vol. 21 No. 3 May-Jun 2002	39
Potter's Wheel – Part 3	Guy Ells	Projects	HSM Vol. 21 No. 3 May-Jun 2002	44
Retrofit a Grizzly G1005 Mill-Drill to CNC – Part 3	Roland W. Friestad	Computers	HSM Vol. 21 No. 3 May-Jun 2002	52
Build a Quick-Change Toolholder – Part 2	Rudy Kouhoup	Machining Accessories	HSM Vol. 21 No. 3 May-Jun 2002	58
Jigs & Fixtures: Approximate Location Conical Locators – Part 2	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 21 No. 3 May-Jun 2002	62
Enco 12 x 36 Lathe and Shooting Star Digital Readout	Stephen Chastain	Hobby Community	HSM Vol. 21 No. 3 May-Jun 2002	64
Getting Started in Metal Spinning – Part 1	James P. Riser	General Machining Knowledge	HSM Vol. 21 No. 4 Jul-Aug 2002	12
Dual-action Fly Cutter	Fred Prestridge	Machining Accessories	HSM Vol. 21 No. 4 Jul-Aug 2002	21
A Collet Reference - From the 1942 Hardinge Bros Catalog	Ralph B. Miller	General Machining Knowledge	HSM Vol. 21 No. 4 Jul-Aug 2002	24
Building a Spider Handle	Doug Ripka	Machining Accessories	HSM Vol. 21 No. 4 Jul-Aug 2002	27
Chuck Mounting Plate	Paul Smeltzer	Machining Accessories	HSM Vol. 21 No. 4 Jul-Aug 2002	30
Precision Boring	R.G. Sparber	Lathes	HSM Vol. 21 No. 4 Jul-Aug 2002	34
Toolholder Extension	Theodore M. Clarke	Machining Accessories	HSM Vol. 21 No. 4 Jul-Aug 2002	38
Welding Electrodes for the Home Shop Machinist	George A. Ewen	Welding/Foundry/Forging	HSM Vol. 21 No. 4 Jul-Aug 2002	39
Notes on the 7 x 10 Mini-Lathe - Harbor Freight Model 33684	Joe Mroz	Hobby Community	HSM Vol. 21 No. 4 Jul-Aug 2002	41
Make Your Own Small Toolholder	James R. Instone	Machining Accessories	HSM Vol. 21 No. 4 Jul-Aug 2002	43
The Continental A-40 Aircraft Engine	George W. Genevro	Engines	HSM Vol. 21 No. 4 Jul-Aug 2002	46
Build a Quick-Change Toolholder – Part 3	Rudy Kouhoup	Machining Accessories	HSM Vol. 21 No. 4 Jul-Aug 2002	59
Jigs & Fixtures: Approximate Location Conical Locators – Part 3	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 21 No. 4 Jul-Aug 2002	63
Retrofit a Grizzly G1005 Mill-Drill to CNC – Part 4	Roland W. Friestad	Computers	HSM Vol. 21 No. 4 Jul-Aug 2002	66
Gear Repair by Bronze Surfacing	Dennis Erdelac	Miscellaneous	HSM Vol. 21 No. 5 Sep-Oct 2002	11
Getting Started in Metal Spinning – Part 2	James P. Riser	General Machining Knowledge	HSM Vol. 21 No. 5 Sep-Oct 2002	14

Miniature Collet Driver, A - Learning Experiences in Concentri	John W. Way	Machining Accessories	HSM Vol. 21 No. 5 Sep-Oct 2002	23
Modified Chuck Key	Paul J. Holm	Machining Accessories	HSM Vol. 21 No. 5 Sep-Oct 2002	28
Building a Miniature Church	Walter Yetman	Projects	HSM Vol. 21 No. 5 Sep-Oct 2002	30
Make Your Own Socket Head Fasteners with the Brinkerhoff	Joe Black	Machining Accessories	HSM Vol. 21 No. 5 Sep-Oct 2002	36
Notes on Building a Nine-cylinder Radial Aircraft Engine	Douglas Kelley	Engines	HSM Vol. 21 No. 5 Sep-Oct 2002	39
Way Too Fast!	Gordon Tengen	General Machining Knowledge	HSM Vol. 21 No. 5 Sep-Oct 2002	43
Removing Backlash with a Left-hand Tap	Fred Prestridge	Lathes	HSM Vol. 21 No. 5 Sep-Oct 2002	47
Make Your Own 3C and 6K Collets	John W. Foster	Machining Accessories	HSM Vol. 21 No. 5 Sep-Oct 2002	50
Building an MLA Filing Machine	Jerry Tuwiner	Shop Machinery	HSM Vol. 21 No. 5 Sep-Oct 2002	54
CNC Tooling Setups and Used CNC Equipment	Roland W. Friestad	Computers	HSM Vol. 21 No. 5 Sep-Oct 2002	57
Build a Quick-change Toolholder – Part 4	Rudy Kouhoup	Machining Accessories	HSM Vol. 21 No. 5 Sep-Oct 2002	63
Jigs & Fixtures: Approximate Location Sight Locators	Edward G. Hoffman	Jigs & Fixtures	HSM Vol. 21 No. 5 Sep-Oct 2002	67
Makers of American Machinist's Tools	Neil Knopf	Hobby Community	HSM Vol. 21 No. 5 Sep-Oct 2002	70
The Vandy Electric Scooter – Part 1	Glenn Vandiver	Projects	HSM Vol. 21 No. 6 Nov-Dec 2002	14
Getting Started in Metal Spinning – Part 3	James P. Riser	General Machining Knowledge	HSM Vol. 21 No. 6 Nov-Dec 2002	28
Making Small Pistons and Rings	Bob Shores	Engines	HSM Vol. 21 No. 6 Nov-Dec 2002	39
A Look at Tru-Punch from Precision Brand	Neil Knopf	Hobby Community	HSM Vol. 21 No. 6 Nov-Dec 2002	40
Computers in the Shop: Quick Change Drawbar	Roland W. Friestad	Machining Accessories	HSM Vol. 21 No. 6 Nov-Dec 2002	43
Metric Equivalent Drills	M V Stivison	General Machining Knowledge	HSM Vol. 21 No. 6 Nov-Dec 2002	47
The Micro Machinist: A Compact Double-action Indicator – Part 2	Rudy Kouhoup	Measuring & Layout	HSM Vol. 21 No. 6 Nov-Dec 2002	49
Inexpensive Sand Blasting Cabinet	Todd Bredeson	Shop Accessories	HSM Vol. 21 No. 6 Nov-Dec 2002	54
Solving the Three-phase Problem with a VFD	Stephen G. Wellcome	Motors	HSM Vol. 21 No. 6 Nov-Dec 2002	59
The Ten-cent Solution	Hugh M. Sanborn	General Machining Knowledge	HSM Vol. 21 No. 6 Nov-Dec 2002	64
Moving a Rong Fu Mill-Drill	Herb Helbig	Machine Tools	HSM Vol. 21 No. 6 Nov-Dec 2002	66
Radial Electric Motor – Part 1	Jeffrey C. Maier	Engines	HSM Vol. 22 No. 1 Jan-Feb 2003	10
Electrical Discharge Machining - Removing Metal by Spark Erc	Robert P. Langlois	EDM	HSM Vol. 22 No. 1 Jan-Feb 2003	26
The Geneva Mechanism	Weston Bye	Projects	HSM Vol. 22 No. 1 Jan-Feb 2003	31
A Different Approach to Small Flywheel Machining	Fred Prestridge	Miscellaneous	HSM Vol. 22 No. 1 Jan-Feb 2003	36
Machining in the 21st Century	Joe Martin	Hobby Community	HSM Vol. 22 No. 1 Jan-Feb 2003	39
An Excellent, Affordable Drill Bit Sharpener	David O'Neil	Shop Accessories	HSM Vol. 22 No. 1 Jan-Feb 2003	41
The Vandy Electric Scooter – Part 2	Glenn Vandiver	Projects	HSM Vol. 22 No. 1 Jan-Feb 2003	46
Universal CNC Controller – Part 1	Roland W. Friestad	Computers	HSM Vol. 22 No. 1 Jan-Feb 2003	56
A Compact, Double-action Indicator – Part 2	Rudy Kouhoup	Measuring & Layout	HSM Vol. 22 No. 1 Jan-Feb 2003	64
Temporary Marking on Metal - Chips & Sparks	Bob Neidorff	Techniques	HSM Vol. 22 No. 1 Jan-Feb 2003	71
Outstanding Metalworking Craftsman for 2003 is Barry Jordan	Neil Knopf	Hobby Community	HSM Vol. 22 No. 2 Mar-Apr 2003	15
Mill-Drill Vise with Real Capacity	Paul J. Holm	Machining Accessories	HSM Vol. 22 No. 2 Mar-Apr 2003	16
Radial Electric Motor – Part 2	Jeffrey C. Maier	Engines	HSM Vol. 22 No. 2 Mar-Apr 2003	20
The Vandy Electric Scooter – Part 3	Glenn Vandiver	Projects	HSM Vol. 22 No. 2 Mar-Apr 2003	32
Electrical Discharge Machining - Removing Metal by Spark Erc	Robert P. Langlois	EDM	HSM Vol. 22 No. 2 Mar-Apr 2003	44
Swivel Blocks	Walter Yetman	Machining Accessories	HSM Vol. 22 No. 2 Mar-Apr 2003	50
Computers in the Shop: Universal CNC Controller – Part 2	Roland W. Friestad	Computers	HSM Vol. 22 No. 2 Mar-Apr 2003	56
Book Review: Five Hundred and Seven Mechanical Movemen	Neil Knopf	Hobby Community	HSM Vol. 22 No. 2 Mar-Apr 2003	66
The Micro Machinist: A Compact, Double-action Indicator – P	Rudy Kouhoup	Measuring & Layout	HSM Vol. 22 No. 2 Mar-Apr 2003	67
Build the Radial Five – Part 1	Rudy Kouhoup	Engines	HSM Vol. 22 No. 3 May-Jun 2003	16
The Vandy Electric Scooter – Part 4	Glenn Vandiver	Projects	HSM Vol. 22 No. 3 May-Jun 2003	20
Spring Fever - Winding Your Own	George Ingraham	General Machining Knowledge	HSM Vol. 22 No. 3 May-Jun 2003	30
Radial Electric Motor – Part 3 Conclusion	Jeffrey C. Maier	Engines	HSM Vol. 22 No. 3 May-Jun 2003	36
Electrical Discharge Machining - Removing Metal by Spark Erc	Robert P. Langlois	EDM	HSM Vol. 22 No. 3 May-Jun 2003	50
A Radius Cutting Tool for the Grizzly G4015Z Mill-Lathe	Jerry L. Sokol	Machining Accessories	HSM Vol. 22 No. 3 May-Jun 2003	60
Indexable Carbide Insert End Mill	Michael Jenks	Machining Accessories	HSM Vol. 22 No. 3 May-Jun 2003	66
Computers in the Shop: Universal CNC Controller – Part 3	Roland W. Friestad	Computers	HSM Vol. 22 No. 3 May-Jun 2003	70
Rebuild a Cylinder Head	Stephen Chastain	Miscellaneous	HSM Vol. 22 No. 4 Jul-Aug 2003	10
Repairing Old Iron	David R. MacManus	Miscellaneous	HSM Vol. 22 No. 4 Jul-Aug 2003	18
A Handy Material Storage Rack	Stephen J. Roberts	Shop Accessories	HSM Vol. 22 No. 4 Jul-Aug 2003	25
Sharpening HSS Lathe Tool Bits	Stephen G. Wellcome	Techniques	HSM Vol. 22 No. 4 Jul-Aug 2003	28
Electrical Discharge Machining - Removing Metal by Spark Erc	Robert P. Langlois	EDM	HSM Vol. 22 No. 4 Jul-Aug 2003	34
Build the Radial Five – Part 2	Rudy Kouhoup	Engines	HSM Vol. 22 No. 4 Jul-Aug 2003	38
The Vandy Electric Scooter – Part 5	Glenn Vandiver	Projects	HSM Vol. 22 No. 4 Jul-Aug 2003	41
Get Straight to the Point with The Drill Doctor	George Ingraham	Shop Accessories	HSM Vol. 22 No. 4 Jul-Aug 2003	50
Book Review: The Taig Lathe – DivisionMaster Press	Neil Knopf	Hobby Community	HSM Vol. 22 No. 4 Jul-Aug 2003	54
Finish That Micrometer Box	William Johnson	Miscellaneous	HSM Vol. 22 No. 4 Jul-Aug 2003	56
Two-stroke Cycle Model Engines - a look at basic concepts	George W. Genevvo	Engines	HSM Vol. 22 No. 4 Jul-Aug 2003	60
Make a Hub Wrench	Peter C. Esselburne	Miscellaneous	HSM Vol. 22 No. 4 Jul-Aug 2003	65
The NAMES Show CNC Department	Roland W. Friestad	Hobby Community	HSM Vol. 22 No. 4 Jul-Aug 2003	68
Functional Metal Enclosures from Sheet Brass and Aluminum	William T. Roubal, Ph.D.	Projects	HSM Vol. 22 No. 5 Sep-Oct 2003	10
2003 Machinist's Challenge Results	Magazine Services	Hobby Community	HSM Vol. 22 No. 5 Sep-Oct 2003	20
Lifetime Achievement Award Presented to Rudy Kouhoup	Magazine Services	Hobby Community	HSM Vol. 22 No. 5 Sep-Oct 2003	21
Transplant a Compound Gear Assembly	Herbert Yohe	Machine Modifications	HSM Vol. 22 No. 5 Sep-Oct 2003	22
Disk-cutting Fixtures for the Lathe	Bernard Szwarc	Machining Accessories	HSM Vol. 22 No. 5 Sep-Oct 2003	24
Hang That File	William Johnson	Miscellaneous	HSM Vol. 22 No. 5 Sep-Oct 2003	26
Book Review: The Tinsmith's Helper and Pattern Book	Neil Knopf	Hobby Community	HSM Vol. 22 No. 5 Sep-Oct 2003	28
Thread Substitutions	Theodore M. McDowell	General Machining Knowledge	HSM Vol. 22 No. 5 Sep-Oct 2003	30
Small Parts Holder for Silver Soldering	Tom Bartlett	Jigs & Fixtures	HSM Vol. 22 No. 5 Sep-Oct 2003	35
The Vandy Electric Scooter – Part 6	Glenn Vandiver	Projects	HSM Vol. 22 No. 5 Sep-Oct 2003	38
Easy Threading Tool Sharpener	Glenn L. Wilson	Shop Accessories	HSM Vol. 22 No. 5 Sep-Oct 2003	42
Using The Lincoln Electric Invertec V-160-S Welder	R.G. Sparber	Welding/Foundry/Forging	HSM Vol. 22 No. 5 Sep-Oct 2003	46
Electric Discharge Machining - Removing Metal by Spark Eros	Robert P. Langlois	EDM	HSM Vol. 22 No. 5 Sep-Oct 2003	50
The Micro Machinist: Build the Radial Five – Part 3	Rudy Kouhoup	Engines	HSM Vol. 22 No. 5 Sep-Oct 2003	57
Titanium - A Metal for the Space Age	George W. Genevvo	General Machining Knowledge	HSM Vol. 22 No. 5 Sep-Oct 2003	62
Computers in the Shop: Reclaiming a Bridgeport Series I CNC	Roland W. Friestad	Computers	HSM Vol. 22 No. 5 Sep-Oct 2003	68

Lathe Ball Making Accessory – Part One	Robert L. Bailey	Machining Accessories	HSM Vol. 22 No. 6 Nov-Dec 2003	10
A Simple Turret for the Atlas/Craftsman 12 Lathe	Tim Clarke	Machining Accessories	HSM Vol. 22 No. 6 Nov-Dec 2003	18
Experimenting With Fly Cutters	Chet McClellan	Machining Accessories	HSM Vol. 22 No. 6 Nov-Dec 2003	28
Milling Vise Alignment	Donald Erickson	Machine Modifications	HSM Vol. 22 No. 6 Nov-Dec 2003	34
A Look at the Grizzly G9950 Shear/Brake	Harold G. Cohon	Hobby Community	HSM Vol. 22 No. 6 Nov-Dec 2003	38
Electric Discharge Machining - Removing Metal by Spark Eros	Robert P. Langlois	EDM	HSM Vol. 22 No. 6 Nov-Dec 2003	44
Heat Treating Steel - An Amateur's View	Randolph Constantine	General Machining Knowledge	HSM Vol. 22 No. 6 Nov-Dec 2003	50
Essential Reading for the Home Shop Machinist - Good Books	Stephen Chastain	General Machining Knowledge	HSM Vol. 22 No. 6 Nov-Dec 2003	56
Build the Radial Five – Part 4	Rudy Kouhoupt	Engines	HSM Vol. 22 No. 6 Nov-Dec 2003	60
Computers in the Shop: Reclaiming a Bridgeport Series I CNC	Roland W. Friestad	Computers	HSM Vol. 22 No. 6 Nov-Dec 2003	66
Converting a Woodcutting Band Saw to Cut Metal	Jim Gavin	Shop Machinery	HSM Vol. 23 No. 1 Jan-Feb 2004	10
Lathe Ball Making Accessory – Part 2	Robert L. Bailey	Lathes	HSM Vol. 23 No. 1 Jan-Feb 2004	20
Repair Backlash with Moglice	Otto Bacon	Mills	HSM Vol. 23 No. 1 Jan-Feb 2004	26
First Annual Men, Metal, and Machines Expo	Neil Knopf	Hobby Community	HSM Vol. 23 No. 1 Jan-Feb 2004	34
How to Build an Excuse-Some Things You Just Can't Learn in 5	Butch Holcombe	Hobby Community	HSM Vol. 23 No. 1 Jan-Feb 2004	45
Telescopic Taper Attachment for South Bend 9 or 10 lathes	John W. Foster	Lathes	HSM Vol. 23 No. 1 Jan-Feb 2004	48
The Micro Machinist: Build the Radial Five – Part 5	Rudy Kouhoupt	Engines	HSM Vol. 23 No. 1 Jan-Feb 2004	62
Computers in the Shop: Reclaiming a Bridgeport Series 1 CNC	Roland W. Friestad	Computers	HSM Vol. 23 No. 1 Jan-Feb 2004	68
Removing Broken Taps and Studs by Welding	J. Randolph Bulgin	Welding/Foundry/Forging	HSM Vol. 23 No. 2 Mar-Apr 2004	12
Lathe Ball Making Accessory Part Three	Robert L. Bailey	Lathes	HSM Vol. 23 No. 2 Mar-Apr 2004	16
Make a Saddle/Carriage Clamp Lock	Steve Roberts	Lathes	HSM Vol. 23 No. 2 Mar-Apr 2004	26
A Thread Cutting Stop for South Bend Lathes	A. N. Eastwood	Lathes	HSM Vol. 23 No. 2 Mar-Apr 2004	32
High Quality Project Cases	Robert Nance Dee	Shop Accessories	HSM Vol. 23 No. 2 Mar-Apr 2004	36
The New Hand: Using the Wiggler for Drilling Accurately Drills	Forrest Addy	Shop Machinery	HSM Vol. 23 No. 2 Mar-Apr 2004	44
Moving an Enco RF-30 Mill Drill...Twice	R.G. Sparber	Miscellaneous	HSM Vol. 23 No. 2 Mar-Apr 2004	48
Engine Configurations - Planning an Engine Layout	George W. Genevro	Engines	HSM Vol. 23 No. 2 Mar-Apr 2004	51
The Micro Machinist: Build the Radial Five – Part 6	Rudy Kouhoupt	Engines	HSM Vol. 23 No. 2 Mar-Apr 2004	60
Computers in the Shop: CAD Basics – Part 1	Roland W. Friestad	Computers	HSM Vol. 23 No. 2 Mar-Apr 2004	64
The "Outstanding Metalworking Craftsman" for 2004 is Roger	Craig Libuse	Hobby Community	HSM Vol. 23 No. 3 May-Jun 2004	11
A Tandem, Double-Acting Engine	Douglas Kelley	Engines	HSM Vol. 23 No. 3 May-Jun 2004	12
Lathe Ball Making Accessory – Part 4 - Conclusion	Robert L. Bailey	Lathes	HSM Vol. 23 No. 3 May-Jun 2004	16
Build a 50/30 Ton H-Frame Hydraulic Floor Press	Reed Streifhuth	Shop Machinery	HSM Vol. 23 No. 3 May-Jun 2004	20
The New Hand - Using the Edge Finder	Forrest Addy	General Machining Knowledge	HSM Vol. 23 No. 3 May-Jun 2004	36
Getting Started with Welding Plastic	Glenn Vandiver	Welding/Foundry/Forging	HSM Vol. 23 No. 3 May-Jun 2004	44
Book Review: A Sand Casting Manual - Volume 1	George W. Genevro	Hobby Community	HSM Vol. 23 No. 3 May-Jun 2004	54
Lockable Gib Adjusting Screws for the Mill-Drill	Tim Clarke	Mills	HSM Vol. 23 No. 3 May-Jun 2004	58
Sherline's CNC Mill System	Neil Knopf	Computers	HSM Vol. 23 No. 3 May-Jun 2004	62
The Micro Machinist: Build the Radial Five – Part 7 - Conclusion	Rudy Kouhoupt	Engines	HSM Vol. 23 No. 3 May-Jun 2004	66
Computers in the Shop: CAD Basics – Part Two	Roland W. Friestad	Computers	HSM Vol. 23 No. 3 May-Jun 2004	70
A Rotating Lathe Tailstock Chuck	Peter Stenabaugh	Lathes	HSM Vol. 23 No. 4 Jul-Aug 2004	12
My Delta-T Stirling Engine	Bert de Kat	Engines	HSM Vol. 23 No. 4 Jul-Aug 2004	18
Build a Three-Axis Wood Mill – Part One	James S. McKnight	Shop Machinery	HSM Vol. 23 No. 4 Jul-Aug 2004	22
A Universal Motor Controller	R.G. Sparber	Shop Machinery	HSM Vol. 23 No. 4 Jul-Aug 2004	34
Harry Siebers' Miniature Workbench	Tom Siebers	Shop Accessories	HSM Vol. 23 No. 4 Jul-Aug 2004	42
The New Hand - Discussing Dividers, Calipers, and Trammel Points	Forrest Addy	Shop Accessories	HSM Vol. 23 No. 4 Jul-Aug 2004	44
Granite Surface Plates	David Combs	Shop Accessories	HSM Vol. 23 No. 4 Jul-Aug 2004	52
Book Review: Engineering Formulas for Metalcutting	Neil Knopf	Hobby Community	HSM Vol. 23 No. 4 Jul-Aug 2004	54
Model Ignition Systems - How Much Voltage is Required?	David Bowes	General Machining Knowledge	HSM Vol. 23 No. 4 Jul-Aug 2004	58
It Never Fails! - Raising the Lathe Axis – Part One	Rudy Kouhoupt	Lathes	HSM Vol. 23 No. 4 Jul-Aug 2004	62
Computers in the Shop: CAD Basics – Part Three	Roland W. Friestad	Computers	HSM Vol. 23 No. 4 Jul-Aug 2004	70
Remembering Bob Shores	Neil Knopf	Hobby Community	HSM Vol. 23 No. 5 Sep-Oct 2004	4
Reconditioning a Lathe - Revisited – Part One	Harry Bloom	Lathes	HSM Vol. 23 No. 5 Sep-Oct 2004	12
The Thirteenth Annual Sherline Machinist's Challenge Contest		Hobby Community	HSM Vol. 23 No. 5 Sep-Oct 2004	26
Build a Three-Axis Wood Mill – Part Two	James S. McKnight	Shop Machinery	HSM Vol. 23 No. 5 Sep-Oct 2004	28
Machining a Spiral Cam	Weston Bye	Miscellaneous	HSM Vol. 23 No. 5 Sep-Oct 2004	42
Designing an Adjustable Fly Cutter	Michael Furtado	Mills	HSM Vol. 23 No. 5 Sep-Oct 2004	45
Score in Your Shop With a Hockey Puck	Otto Bacon	Shop Accessories	HSM Vol. 23 No. 5 Sep-Oct 2004	50
The New Hand - Things to Know About Three-jaw Chucks	Forrest Addy	Lathes	HSM Vol. 23 No. 5 Sep-Oct 2004	54
Adding MACH2 CNC Software to the Universal CNC Controller	Roland W. Friestad	Computers	HSM Vol. 23 No. 5 Sep-Oct 2004	62
The Micro Machinist: It Never Fails! - Raising the Lathe Axis –	Rudy Kouhoupt	Lathes	HSM Vol. 23 No. 5 Sep-Oct 2004	68
Building a Model Engine Camshaft Grinder	Jerry Kieffer	Engines	HSM Vol. 23 No. 6 Nov-Dec 2004	12
Reconditioning a Lathe - Revisited – Part Two	Harry Bloom	Lathes	HSM Vol. 23 No. 6 Nov-Dec 2004	20
Make Mild Steel Behave Like High-carbon Steel	Otto Bacon	General Machining Knowledge	HSM Vol. 23 No. 6 Nov-Dec 2004	32
All Wound Up About Springs	Don Byrnes	Projects	HSM Vol. 23 No. 6 Nov-Dec 2004	36
The New Hand - Things to Know About Four-jaw Chucks	Forrest Addy	Lathes	HSM Vol. 23 No. 6 Nov-Dec 2004	44
Machining the M.L.A. Collet Chuck Kit	Bill McCarthy	Lathes	HSM Vol. 23 No. 6 Nov-Dec 2004	56
Computers in the Shop: Adding MACH2 CNC Software to the Universal	Roland W. Friestad	Computers	HSM Vol. 23 No. 6 Nov-Dec 2004	62
Book Review: Patents and Trademarks - Plain & Simple	Craig Foster	Hobby Community	HSM Vol. 23 No. 6 Nov-Dec 2004	68
The Micro Machinist: Make a Holiday Nutcracker	Rudy Kouhoupt	Projects	HSM Vol. 23 No. 6 Nov-Dec 2004	69
A Tribute to Rudy Kouhoupt	Neil Knopf	Hobby Community	HSM Vol. 24 No. 1 Jan-Feb 2005	10
Make an Adjustable Collet Chuck – Part One	Peter Stenabaugh	Machining Accessories	HSM Vol. 24 No. 1 Jan-Feb 2005	14
Abrasive Blasting 101	Gerald Hast	General Machining Knowledge	HSM Vol. 24 No. 1 Jan-Feb 2005	28
Creating a 19th Century Shop	Hunter Davidson	Miscellaneous	HSM Vol. 24 No. 1 Jan-Feb 2005	36
The New Hand: Using Dial Indicators	Forrest Addy	Measuring & Layout	HSM Vol. 24 No. 1 Jan-Feb 2005	44
Router Base Plate for the Wood Mill	James S. McKnight	Shop Machinery	HSM Vol. 24 No. 1 Jan-Feb 2005	52
Reconditioning a Lathe - Revisited – Part Three	Harry Bloom	Machine Tools	HSM Vol. 24 No. 1 Jan-Feb 2005	58
Computers in the Shop: Adding MACH2 CNC Software to the Universal	Roland W. Friestad	Computers	HSM Vol. 24 No. 1 Jan-Feb 2005	70
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part One	David Bowes	Engines	HSM Vol. 24 No. 2 Mar-Apr 2005	10
Make an Adjustable Collet Chuck – Part Two	Peter Stenabaugh	Machining Accessories	HSM Vol. 24 No. 2 Mar-Apr 2005	18
A CNC Pocket Knife	Steve Archer	Projects	HSM Vol. 24 No. 2 Mar-Apr 2005	30

Repairing and Mounting a Four-jaw Lathe Chuck	James Hannum	Machining Accessories	HSM Vol. 24 No. 2 Mar-Apr 2005	38
Reconditioning a Lathe - Revisited – Part Four	Harry Bloom	Machine Tools	HSM Vol. 24 No. 2 Mar-Apr 2005	48
Inch Precision for the Unimat Lathe	Raymond Hyman	Lathes	HSM Vol. 24 No. 2 Mar-Apr 2005	60
Unimat Drive Belts for Under a Dollar	Raymond Hyman	Machining Accessories	HSM Vol. 24 No. 2 Mar-Apr 2005	62
The New Hand: The Surface Plate and Basic Layout Tools	Forrest Addy	Measuring & Layout	HSM Vol. 24 No. 2 Mar-Apr 2005	66
Computers in the Shop: Convert a Rotary Table to CNC	Roland W. Friestad	Computers	HSM Vol. 24 No. 2 Mar-Apr 2005	74
Down-Feed Attachment for the Grizzly Mill-Drill	Roger Hallbach	Machining Accessories	HSM Vol. 24 No. 3 May-Jun 2005	12
An Automatic Carriage Stop for Thread Cutting	Jim McKee	Machining Accessories	HSM Vol. 24 No. 3 May-Jun 2005	18
Modifications to the Grizzly 13 x 40 Lathe	Lionel Gard	Machine Tools	HSM Vol. 24 No. 3 May-Jun 2005	26
Fabricating a South Bend Cross-feed Screw	Walter Yetman	Machining Accessories	HSM Vol. 24 No. 3 May-Jun 2005	36
Review of the Nano-Tram	Nick Carter	Hobby Community	HSM Vol. 24 No. 3 May-Jun 2005	42
The New Hand - Twist Drill Lore	Forrest Addy	General Machining Knowledge	HSM Vol. 24 No. 3 May-Jun 2005	48
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part Two	David Bowes	Engines	HSM Vol. 24 No. 3 May-Jun 2005	58
Improved Quill Stop for the Delta Bench Drill Press	E. I. Schefer	Machining Accessories	HSM Vol. 24 No. 3 May-Jun 2005	64
Organizing Your Tool Box	J. Randolph Bulgin	Miscellaneous	HSM Vol. 24 No. 3 May-Jun 2005	67
Computers in the Shop: A Flood Coolant Enclosure for your Bridgeport	Roland W. Friestad	Computers	HSM Vol. 24 No. 3 May-Jun 2005	70
Build a Cross-slide Rotary Table – Part One	Dennis Zefran	Machining Accessories	HSM Vol. 24 No. 4 Jul-Aug 2005	10
Build the Crusader .60 – Part One	George W. Genevro	Engines	HSM Vol. 24 No. 4 Jul-Aug 2005	20
Automated CNC Milling and Prototyping	Richard Sideritz	Computers	HSM Vol. 24 No. 4 Jul-Aug 2005	30
Lathe Chuck Wrench Holder	Robert L. Bailey	Machining Accessories	HSM Vol. 24 No. 4 Jul-Aug 2005	34
A Pneumatic Comparator	Bob Knapp	Measuring & Layout	HSM Vol. 24 No. 4 Jul-Aug 2005	36
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part Three	David Bowes	Engines	HSM Vol. 24 No. 4 Jul-Aug 2005	44
Squaring or Trimming a Basic Vertical Mill	James Murnaghen	Machining Accessories	HSM Vol. 24 No. 4 Jul-Aug 2005	54
Steve Pierce Wins 2005 Sherline Challenge	Craig Libuse	Hobby Community	HSM Vol. 24 No. 4 Jul-Aug 2005	59
Book Review: Machine Shop Trade Secrets - Harvey, Industrial	Craig Foster	Hobby Community	HSM Vol. 24 No. 4 Jul-Aug 2005	60
Book Review: Making Pistons for Experimental and Restoratic	Steve Acker	Hobby Community	HSM Vol. 24 No. 4 Jul-Aug 2005	61
Tool Blocks	William Johnson	Machining Accessories	HSM Vol. 24 No. 4 Jul-Aug 2005	62
The New Hand: Getting Smart on Home Shop Compressors	Forrest Addy	General Machining Knowledge	HSM Vol. 24 No. 4 Jul-Aug 2005	66
Computers in the Shop: The New and Improved Universal CNC	Roland W. Friestad	Computers	HSM Vol. 24 No. 4 Jul-Aug 2005	72
A Lead Screw Handwheel Design for a Grizzly Lathe	Cristie Rethman	Lathes	HSM Vol. 24 No. 5 Sep-Oct 2005	10
Repairing a Dumore No. 5 Motor	Steve Acker	Motors	HSM Vol. 24 No. 5 Sep-Oct 2005	32
Hook Up an SFM Meter	Jerry Pontius	Measuring & Layout	HSM Vol. 24 No. 5 Sep-Oct 2005	38
Review of the A2Z CNC Quick-Change Tool Post	Nick Carter	Hobby Community	HSM Vol. 24 No. 5 Sep-Oct 2005	42
A Sherline Headstock on an Atlas Bench Mill	Richard Zielke	Machine Modifications	HSM Vol. 24 No. 5 Sep-Oct 2005	58
Build the Crusader .60	George W. Genevro	Engines	HSM Vol. 24 No. 5 Sep-Oct 2005	62
Computers in the Shop: The New and Improved Universal CNC	Roland W. Friestad	Computers	HSM Vol. 24 No. 5 Sep-Oct 2005	76
Build a Horizontal Stirling Engine	Terry Coss	Engines	HSM Vol. 24 No. 6 Nov-Dec 2005	10
A Veteran's Tribute	Walter Yetman	Hobby Community	HSM Vol. 24 No. 6 Nov-Dec 2005	22
Upgrading an Atlas 10F Lathe	Ken Hollenbeck	Lathes	HSM Vol. 24 No. 6 Nov-Dec 2005	30
What Happens to the Masterpiece?	T Parkinson	Hobby Community	HSM Vol. 24 No. 6 Nov-Dec 2005	36
What Happens to the Masterpiece?	T Parkinson	Hobby Community	HSM Vol. 24 No. 6 Nov-Dec 2005	36
What Happens to The Masterpiece?	T Parkinson	Hobby Community	HSM Vol. 24 No. 6 Nov-Dec 2005	36
Slim Down Your Four-Jaw Chuck	Allan Moore	Lathes	HSM Vol. 24 No. 6 Nov-Dec 2005	42
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part Five	David Bowes	Engines	HSM Vol. 24 No. 6 Nov-Dec 2005	48
Review of the Thin Parallels Set from Travers Tool	Stephen G. Wellcome	Machine Tools	HSM Vol. 24 No. 6 Nov-Dec 2005	57
Build the Crusader .60 – Part Three	George W. Genevro	Engines	HSM Vol. 24 No. 6 Nov-Dec 2005	58
The New Hand: A Series for the Novice – ABC's of AC Induction	Forrest Addy	Motors	HSM Vol. 24 No. 6 Nov-Dec 2005	68
Computers in the Shop: The New and Improved Universal CNC	Roland W. Friestad	Computers	HSM Vol. 24 No. 6 Nov-Dec 2005	78
Build an English Wheel - The Crowning Touch: Part One	Peter Stenabaugh	Shop Accessories	HSM Vol. 25 No. 1 Jan-Feb 2006	10
A Simple Mill-Drill Spindle Lock	James A. Hornick	Machine Tools	HSM Vol. 25 No. 1 Jan-Feb 2006	20
Easy Grinder Adjustment	Joe Matter	Shop Machinery	HSM Vol. 25 No. 1 Jan-Feb 2006	22
Optics for Micro Machining	Jerry Kieffer	Machining Accessories	HSM Vol. 25 No. 1 Jan-Feb 2006	26
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part Six	David Bowes	Engines	HSM Vol. 25 No. 1 Jan-Feb 2006	38
Build the Crusader .60 – Part Four	George W. Genevro	Engines	HSM Vol. 25 No. 1 Jan-Feb 2006	50
A Halogen Light for Your Inspection Table	Otto Bacon	Shop Accessories	HSM Vol. 25 No. 1 Jan-Feb 2006	56
The New Hand: A Series for the Novice – ABC's of AC Induction	Forrest Addy	Engines	HSM Vol. 25 No. 1 Jan-Feb 2006	58
David Kucer wins 2006 Outstanding Metalworking Craftsman		Hobby Community	HSM Vol. 25 No. 2 Mar-Apr 2006	12
Rudy's Balanced Knurling Tool with a Twist	Steve Kinsey	Shop Accessories	HSM Vol. 25 No. 2 Mar-Apr 2006	14
Shop Knives from Files	Steve Acker	Projects	HSM Vol. 25 No. 2 Mar-Apr 2006	24
Build an English Wheel - The Crowning Touch: Part Two	Peter Stenabaugh	Shop Accessories	HSM Vol. 25 No. 2 Mar-Apr 2006	32
An Accurate Measurement for your Vertical Milling Operation	Wil Nise	Measuring & Layout	HSM Vol. 25 No. 2 Mar-Apr 2006	38
Build the Crusader .60	George W. Genevro	Engines	HSM Vol. 25 No. 2 Mar-Apr 2006	42
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part Seven	David Bowes	Engines	HSM Vol. 25 No. 2 Mar-Apr 2006	50
Installing a Grizzly DRO on a Mill-Drill	Erick Peterson	Machine Modifications	HSM Vol. 25 No. 2 Mar-Apr 2006	56
A Lathe Ben Dial Indicator	Robert L. Bailey	Lathes	HSM Vol. 25 No. 2 Mar-Apr 2006	60
Computers in the Shop: Fundamentals of CNC Programming –	Roland W. Friestad	Computers	HSM Vol. 25 No. 2 Mar-Apr 2006	64
The Home Machinist's Surface Grinder – Part One	Robert Byler	Shop Machinery	HSM Vol. 25 No. 3 May-Jun 2006	10
An MLA Tool Post	A. J. Lofquist	Lathes	HSM Vol. 25 No. 3 May-Jun 2006	24
Cutting Threads on a Lathe - 101	Michael Gelcius	Lathes	HSM Vol. 25 No. 3 May-Jun 2006	34
Build an English Wheel - The Crowning Touch: Part Three	Peter Stenabaugh	Shop Accessories	HSM Vol. 25 No. 3 May-Jun 2006	42
Build the EVIC-211 Mk1 - A Four-stroke Cycle Twin – Part Eight	David Bowes	Engines	HSM Vol. 25 No. 3 May-Jun 2006	50
The Finger Engine	T Parkinson	Engines	HSM Vol. 25 No. 3 May-Jun 2006	58
Lathe Spindle Stop	Gary Vriezen	Lathes	HSM Vol. 25 No. 3 May-Jun 2006	62
Daul Die Lathe Tool	Thomas M. Verity	Lathes	HSM Vol. 25 No. 3 May-Jun 2006	66
Computers in the Shop: Fundamentals of CNC Programming –	Roland W. Friestad	Computers	HSM Vol. 25 No. 3 May-Jun 2006	72
Tanks for Model Engines	George W. Genevro	Engines	HSM Vol. 25 No. 4 Jul-Aug 2006	10
The Home Shop Machinist's Surface Grinder – Part Two	Robert Byler	Shop Machinery	HSM Vol. 25 No. 4 Jul-Aug 2006	20
Build the EVIC-211 Mk1: A Four-stroke Cycle Twin – Part Nine	David Bowes	Engines	HSM Vol. 25 No. 4 Jul-Aug 2006	28
Grand Opening of the Joe Martin Foundation Museum of Craft	Neil Knopf	Hobby Community	HSM Vol. 25 No. 4 Jul-Aug 2006	36
Hot-Rodding a 9" South Bend Lathe	Peter Verbree	Lathes	HSM Vol. 25 No. 4 Jul-Aug 2006	38

Combined Tool for Finder Edges and Centers	Mogens Kilde	Shop Accessories	HSM Vol. 25 No. 4 Jul-Aug 2006	46
Build an English Wheel - The Crowning Touch – Part Four	Peter Stenabaugh	Shop Accessories	HSM Vol. 25 No. 4 Jul-Aug 2006	52
The New Hand: Setting Angles	Kilgore-Bauer Nona	Techniques	HSM Vol. 25 No. 4 Jul-Aug 2006	64
Carriage Indicator	Fred Prestridge	Lathes	HSM Vol. 25 No. 4 Jul-Aug 2006	74
Computers in the Shop: The Universal CNC Controller Revisited	Roland W. Friestad	Computers	HSM Vol. 25 No. 4 Jul-Aug 2006	78
Installing a Power Feed on a Small Knee Mill	Richard L Kruger	Machine Modifications	HSM Vol. 25 No. 5 Sep-Oct 2006	8
Building a Riser Block for a Burke Powermatic Millrite Mill	Chuck Materna	Machine Modifications	HSM Vol. 25 No. 5 Sep-Oct 2006	16
Improved Grooving Tool for the Lathe	Edward Hume	Lathes	HSM Vol. 25 No. 5 Sep-Oct 2006	24
A Tiny Sterling Engine	Bert de Kat	Engines	HSM Vol. 25 No. 5 Sep-Oct 2006	30
The Home Machinist's Surface Grinder – Part Three	Robert Byler	Shop Machinery	HSM Vol. 25 No. 5 Sep-Oct 2006	42
Build an English Wheel - The Crowning Touch – Part Five	Peter Stenabaugh	Shop Accessories	HSM Vol. 25 No. 5 Sep-Oct 2006	50
The New Hand: Points to Consider - Tool Posts for Engine Lathe	Kilgore-Bauer Nona	Lathes	HSM Vol. 25 No. 5 Sep-Oct 2006	58
Computers in the Shop: The Universal CNC Controller Revisited	Roland W. Friestad	Computers	HSM Vol. 25 No. 5 Sep-Oct 2006	68
Build the Snow - A Tandem, Double-Acting Engine – Part One	Douglas Kelley	Engines	HSM Vol. 25 No. 6 Nov-Dec 2006	10
Quick-Adjusting Boring Head	James S. McKnight	Shop Accessories	HSM Vol. 25 No. 6 Nov-Dec 2006	18
A Simple Clutch-Connector for the Mini-Mill Power Table Feed	John Krueger	Machine Modifications	HSM Vol. 25 No. 6 Nov-Dec 2006	24
The NAMES Top	T Parkinson	Projects	HSM Vol. 25 No. 6 Nov-Dec 2006	30
Make an Overarm Brace for a Clamping Horizontal Mill	Jim Swartz	Machine Modifications	HSM Vol. 25 No. 6 Nov-Dec 2006	36
Cut-Off Tool	Theodore M. Clarke	Shop Accessories	HSM Vol. 25 No. 6 Nov-Dec 2006	42
Bridgeport-type Quick-Release Quill Handle Adapted for a Small Lathe	Reed Streifthau	Machine Modifications	HSM Vol. 25 No. 6 Nov-Dec 2006	46
Build an English Wheel - The Crowning Touch – Part Six	Peter Stenabaugh	Shop Accessories	HSM Vol. 25 No. 6 Nov-Dec 2006	50
Cast Name Plate	Otto Bacon	Miscellaneous	HSM Vol. 25 No. 6 Nov-Dec 2006	58
Setting and Using the Taper Attachment on a South Bend Lathe	Paul J. Holm	Lathes	HSM Vol. 25 No. 6 Nov-Dec 2006	62
A Quick and Cheap Surface Gauge	Don Byrnes	Shop Accessories	HSM Vol. 25 No. 6 Nov-Dec 2006	66
Micrometers Revealed	Bob Hadley	Measuring & Layout	HSM Vol. 25 No. 6 Nov-Dec 2006	68
Computers in the Shop: The Universal CNC Controller Revisited	Roland W. Friestad	Computers	HSM Vol. 25 No. 6 Nov-Dec 2006	72
The New Hand: Points to Consider – Tool Posts for Engine Lathe	Kilgore-Bauer Nona	Lathes	HSM Vol. 25 No. 6 Nov-Dec 2006	80
Easy Rotary Table – Part One	Fred Prestridge	Shop Machinery	HSM Vol. 26 No. 1 Jan-Feb 2007	16
Upgrading a Drill Press Cradle-Style Vise for Precision Shaping	Theodore M. Clarke	Machine Modifications	HSM Vol. 26 No. 1 Jan-Feb 2007	26
Line Boring a South Bend Lathe Headstock	Jack Butz	Lathes	HSM Vol. 26 No. 1 Jan-Feb 2007	32
Steve Pierce Makes it Two in a Row	Craig Libuse	Hobby Community	HSM Vol. 26 No. 1 Jan-Feb 2007	38
A Handy Tool for Cutting Screws to Length	Mogens Kilde	Hand Tools	HSM Vol. 26 No. 1 Jan-Feb 2007	42
Remanufactured Impeller Housing	Robert Shosh	Shop Machinery	HSM Vol. 26 No. 1 Jan-Feb 2007	46
Build the Snow - A Tandem, Double-Acting Engine – Part Two	Douglas Kelley	Engines	HSM Vol. 26 No. 1 Jan-Feb 2007	50
Mounts for Model Engines	George W. Genevro	Engines	HSM Vol. 26 No. 1 Jan-Feb 2007	60
SafeStop Switch	Bob Beecroft	General Machining Knowledge	HSM Vol. 26 No. 1 Jan-Feb 2007	66
Computers in the Shop: The Universal CNC Controller Revisited	Roland W. Friestad	Computers	HSM Vol. 26 No. 1 Jan-Feb 2007	68
The Home Shop Machinist Celebrates its 25th Birthday	Craig Foster	Hobby Community	HSM Vol. 26 No. 1 Jan-Feb 2007	71
Bench Top Band Saw	John Gjertsen	Shop Machinery	HSM Vol. 26 No. 2 Mar-Apr 2007	10
Build the Snow - A Tandem, Double-acting Engine – Part Three	Douglas Kelley	Engines	HSM Vol. 26 No. 2 Mar-Apr 2007	24
The Crankless Michell Engine	Clif Roemmich	Hobby Community	HSM Vol. 26 No. 2 Mar-Apr 2007	36
East Rotary Table – Part Two	Fred Prestridge	Shop Machinery	HSM Vol. 26 No. 2 Mar-Apr 2007	42
Stud Drive for Hurricane Plywood	Allan Moore	Miscellaneous	HSM Vol. 26 No. 2 Mar-Apr 2007	52
Micrometer Stop for a Miter Saw	Jim Gavin	Shop Machinery	HSM Vol. 26 No. 2 Mar-Apr 2007	54
Computers in the Shop: CNC Retrofit for the Grizzly G1006 Bench Lathe	Roland W. Friestad	Computers	HSM Vol. 26 No. 2 Mar-Apr 2007	66
Shopsmith Adventures - Converting a Shopsmith to Cut Meta	Robert L. Bailey	Shop Machinery	HSM Vol. 26 No. 3 May-Jun 2007	10
Easy Rotary Table – Part Three, Conclusion	Fred Prestridge	Shop Machinery	HSM Vol. 26 No. 3 May-Jun 2007	22
Pierre Scerri Wins Joe Martin Foundation's Outstanding Metalworker Award	Craig Libuse	Hobby Community	HSM Vol. 26 No. 3 May-Jun 2007	33
Expanding Thread Cutting Options on Lathes with Quick-Changing Dies	Kim Steiner	Lathes	HSM Vol. 26 No. 3 May-Jun 2007	36
Build the Snow - A Tandem, Double-acting Engine – Part Four	Douglas Kelley	Engines	HSM Vol. 26 No. 3 May-Jun 2007	44
An Improved Drawbar for an RF 30 Mill-Drill	R.G. Sparber	Machine Modifications	HSM Vol. 26 No. 3 May-Jun 2007	56
Computers in the Shop: CNC Retrofit for the Grizzly G1006 Bench Lathe	Roland W. Friestad	Computers	HSM Vol. 26 No. 3 May-Jun 2007	66
Pneumatic Power Shapes Sheet Metal (2007 Bonus Issue)	Kent White	Miscellaneous	HSM Vol. 26 No. 4 Jul-Aug 2007	6
The Four Inch Engine – Part One	Jerry Pontius	Engines	HSM Vol. 26 No. 4 Jul-Aug 2007	10
New Dials for Older Machines	Jan Michaels	Machine Modifications	HSM Vol. 26 No. 4 Jul-Aug 2007	22
Setting up a Lathe	John Robinson	Techniques	HSM Vol. 26 No. 4 Jul-Aug 2007	32
Roller Blocks on a Steady Rest	Allan Moore	Machining Accessories	HSM Vol. 26 No. 4 Jul-Aug 2007	42
Shopsmith Adventures - Converting a Shopsmith to Cut Meta	Robert L. Bailey	Shop Machinery	HSM Vol. 26 No. 4 Jul-Aug 2007	46
Retrofitting a Flat-belt Grinder with a V-belt Drive	Bob Neidorff	Shop Machinery	HSM Vol. 26 No. 4 Jul-Aug 2007	56
Installing a Power Feed to a Burke Powermatic Millrite Mill	Chuck Materna	Machine Modifications	HSM Vol. 26 No. 4 Jul-Aug 2007	62
Computers in the Shop: CNC Retrofit for the Grizzly G1006 Bench Lathe	Roland W. Friestad	Computers	HSM Vol. 26 No. 4 Jul-Aug 2007	70
Cut-off Tool for the 6 Atlas Lathe	John Bergmann	Lathes	HSM Vol. 26 No. 5 Sep-Oct 2007	10
On the Cutting Edge: Understanding Drill Sharpening	Matthew J. Russel	General Machining Knowledge	HSM Vol. 26 No. 5 Sep-Oct 2007	18
Micrometer Stop for a Grizzly 4000 Lathe	David Bradley	Lathes	HSM Vol. 26 No. 5 Sep-Oct 2007	34
The Four Inch Engine – Part Two	Jerry Pontius	Engines	HSM Vol. 26 No. 5 Sep-Oct 2007	42
Shopsmith Adventures - Converting a Shopsmith to Cut Meta	Robert L. Bailey	Shop Machinery	HSM Vol. 26 No. 5 Sep-Oct 2007	54
Computers in the Shop: Third Annual CNC Workshop	Roland W. Friestad	Hobby Community	HSM Vol. 26 No. 5 Sep-Oct 2007	66
Iqbal Ahmed Claims First Place	Craig Libuse	Hobby Community	HSM Vol. 26 No. 5 Sep-Oct 2007	70
My Universal Pillar Tool	Fred Prestridge	Shop Accessories	HSM Vol. 26 No. 6 Nov-Dec 2007	10
Cutting Metric Threads	James Hubbell	Techniques	HSM Vol. 26 No. 6 Nov-Dec 2007	22
Small Puller for Dismantling a Miniature Engine	Mogens Kilde	Engines	HSM Vol. 26 No. 6 Nov-Dec 2007	30
Notes from Building a Nine-cylinder Radial Engine	gerald baxter	Hobby Community	HSM Vol. 26 No. 6 Nov-Dec 2007	36
The Four Inch Engine – Part Three	Jerry Pontius	Engines	HSM Vol. 26 No. 6 Nov-Dec 2007	42
Shopsmith Adventures - Converting a Shopsmith to Cut Meta	Robert L. Bailey	Shop Machinery	HSM Vol. 26 No. 6 Nov-Dec 2007	48
Computers in the Shop: Retrofitting a Benchtop Lathe with a CNC Controller	Roland W. Friestad	Computers	HSM Vol. 26 No. 6 Nov-Dec 2007	66
Making Miniature Taps and Dies	Jerry Kieffer	Techniques	HSM Vol. 27 No. 1 Jan-Feb 2008	8
Modifying the Phoenix Miller Part One	Thomas Morrison	Machine Modifications	HSM Vol. 27 No. 1 Jan-Feb 2008	18
An Easy Nutcracker	Bernard Cooper	Projects	HSM Vol. 27 No. 1 Jan-Feb 2008	32
Vertical Storage - Extra Duty for the Mill	F Kaisler	Mills	HSM Vol. 27 No. 1 Jan-Feb 2008	38
Added Feature to Andy's Quick-change Tool Post	Bob Hadley	Lathes	HSM Vol. 27 No. 1 Jan-Feb 2008	44

A Six-sided Block for 3C Collets	Jerrold Tiers	Lathes	HSM Vol. 27 No. 1 Jan-Feb 2008	50
Restoration of an Antique Pressure Gauge	Bill Lindsey	Miscellaneous	HSM Vol. 27 No. 1 Jan-Feb 2008	54
The Four Inch Engine – Part Four	Jerry Pontius	Engines	HSM Vol. 27 No. 1 Jan-Feb 2008	58
Retrofitting a Benchtop Lathe with Ball Screws – Part Two	Roland W. Friestad	Computers	HSM Vol. 27 No. 1 Jan-Feb 2008	68
Caliper Helper	Don Peterson	Measuring & Layout	HSM Vol. 27 No. 1 Jan-Feb 2008	73
The Finger Brake – Part One	Michael Ward	Machine Tools	HSM Vol. 27 No. 2 Mar-Apr 2008	12
Jacot Drum - A Clockmaking/Repair Accessory for a Sherline Lathe	Ronald G. Casteel	Clocks	HSM Vol. 27 No. 2 Mar-Apr 2008	28
Precision without Measurement - Indexing a Swivel Base Vise	Frank Ford	Techniques	HSM Vol. 27 No. 2 Mar-Apr 2008	34
Lathe Carriage Stop	Allan Moore	Lathes	HSM Vol. 27 No. 2 Mar-Apr 2008	38
Modifying the Phoenix Miller – Part Two	Thomas Morrison	Machine Modifications	HSM Vol. 27 No. 2 Mar-Apr 2008	42
Couple of Hacks for the Ubiquitous 4 x 6 Metal-cutting Band Saw	Greg Saville	Shop Machinery	HSM Vol. 27 No. 2 Mar-Apr 2008	50
The Four Inch Engine – Part Five	Jerry Pontius	Engines	HSM Vol. 27 No. 2 Mar-Apr 2008	52
Computers in the Shop: Retrofitting a Benchtop Lathe with Ball Screws	Roland W. Friestad	Computers	HSM Vol. 27 No. 2 Mar-Apr 2008	58
A Problem in Restoring an Old Cadillac	John W. Foster	Miscellaneous	HSM Vol. 27 No. 2 Mar-Apr 2008	66
Tapping Technique for Tilted Holes	Marcelo Jost	Techniques	HSM Vol. 27 No. 2 Mar-Apr 2008	70
Taper Attachment for Atlas 10/12 Lathes	John Ehler	Lathes	HSM Vol. 27 No. 3 May-Jun 2008	10
A Spindle Adapter	Fred Prestridge	Machine Modifications	HSM Vol. 27 No. 3 May-Jun 2008	24
A Cane for Eva	Leo Radovich	Projects	HSM Vol. 27 No. 3 May-Jun 2008	32
Ron Colonna – 2008 Metalworking Craftsman of the Year	Craig Libuse	Hobby Community	HSM Vol. 27 No. 3 May-Jun 2008	38
Improvements for The Home Shop Machinist Phase Converter	Robert Byler	Miscellaneous	HSM Vol. 27 No. 3 May-Jun 2008	42
The Finger Brake – Part Two	Michael Ward	Shop Accessories	HSM Vol. 27 No. 3 May-Jun 2008	46
Modifying the Phoenix Miller – Part Three	Thomas Morrison	Machine Modifications	HSM Vol. 27 No. 3 May-Jun 2008	58
Computers in the Shop: Retrofitting a Benchtop Lathe with Ball Screws	Roland W. Friestad	Computers	HSM Vol. 27 No. 3 May-Jun 2008	68
Build a Miniature Side Lever Steam Engine – Part One	Mogens Kilde	Engines	HSM Vol. 27 No. 4 Jul-Aug 2008	14
Add a Leadscrew Reverse to your 9 x 20 Lathe	James A. Hornicek	Lathes	HSM Vol. 27 No. 4 Jul-Aug 2008	26
Make Your Own Arbors	Jerrold Tiers	Machine Modifications	HSM Vol. 27 No. 4 Jul-Aug 2008	34
Some Thoughts on Machining Titanium	Doug Ripka	Techniques	HSM Vol. 27 No. 4 Jul-Aug 2008	42
The Finger Brake – Part Three	Michael Ward	Shop Accessories	HSM Vol. 27 No. 4 Jul-Aug 2008	48
Taper Attachment for Atlas 10/12 Lathes – Part Two	John Ehler	Lathes	HSM Vol. 27 No. 4 Jul-Aug 2008	64
Cutting Dovetails on the Fly	Andrew Wakefield	Techniques	HSM Vol. 27 No. 5 Sep-Oct 2008	14
High-Speed Spindle – Part One	Jerry Pontius	Machine Modifications	HSM Vol. 27 No. 5 Sep-Oct 2008	26
Precision Grinding Vise	James S. McKnight	Shop Accessories	HSM Vol. 27 No. 5 Sep-Oct 2008	36
Rolling Along with the Wheel	Kent White	Techniques	HSM Vol. 27 No. 5 Sep-Oct 2008	42
Permanent Indicator Mount for a Sherline Lathe	Marcelo Jost	Lathes	HSM Vol. 27 No. 5 Sep-Oct 2008	54
Taper Attachment for Atlas 10/12 Lathes – Part Three	John Ehler	Lathes	HSM Vol. 27 No. 5 Sep-Oct 2008	58
Build a Miniature Side Lever Steam Engine – Part Two	Mogens Kilde	Engines	HSM Vol. 27 No. 5 Sep-Oct 2008	70
A Pneumatic Locking Lathe Turret	Jerry Pryor	Machine Modifications	HSM Vol. 27 No. 6 Nov-Dec 2008	12
Rescuing Stock too Short to be Saved	Weston Bye	Techniques	HSM Vol. 27 No. 6 Nov-Dec 2008	26
Producing an Internal Bore around Corners	Richard Carlstedt	Techniques	HSM Vol. 27 No. 6 Nov-Dec 2008	32
Lathe Setup for Accurate Tapers	Reid Kowallis	Techniques	HSM Vol. 27 No. 6 Nov-Dec 2008	42
Build a Miniature Side Lever Steam Engine – Part Three	Mogens Kilde	Engines	HSM Vol. 27 No. 6 Nov-Dec 2008	48
A High-Speed Spindle – Part Two	Jerry Pontius	Machine Modifications	HSM Vol. 27 No. 6 Nov-Dec 2008	60
Create a Hydraulic Lift Assembly - Cheap and Easy	Ken Sevene	Shop Accessories	HSM Vol. 27 No. 6 Nov-Dec 2008	74
A Tangential Toolholder for a Sherline Lathe	Marcelo Jost	Lathes	HSM Vol. 28 No. 1 Jan-Feb 2009	12
Setting Up Accurate Angles - Inexpensively	Paul Alciatore	General Machining Knowledge	HSM Vol. 28 No. 1 Jan-Feb 2009	30
Randolph's Shop Class: Squaring, or Trimming, the Mill Head	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 28 No. 1 Jan-Feb 2009	36
Installing a Power Feed to the Quill of a Burke Powermatic Mill	Chuck Materna	Mills	HSM Vol. 28 No. 1 Jan-Feb 2009	42
Logan Lathes	Bob Neidorff	Lathes	HSM Vol. 28 No. 1 Jan-Feb 2009	52
Chain Drive for a Mill-Drill X-axis	Peter Merriam	Shop Machinery	HSM Vol. 28 No. 1 Jan-Feb 2009	60
Security in the Home Shop		Hobby Community	HSM Vol. 28 No. 1 Jan-Feb 2009	66
Retrofitting a Benchtop Lathe with Ball Screws - Conclusion	Roland W. Friestad	Lathes	HSM Vol. 28 No. 1 Jan-Feb 2009	68
Precision Router Table – Part One	Jim Gavin	Shop Accessories	HSM Vol. 28 No. 2 Mar-Apr 2009	10
Chaotic Double Pendulum	James Donnelly	Projects	HSM Vol. 28 No. 2 Mar-Apr 2009	24
Making Headroom	Fred Prestridge	Mills	HSM Vol. 28 No. 2 Mar-Apr 2009	38
Making Headroom	Fred Prestridge	Shop Accessories	HSM Vol. 28 No. 2 Mar-Apr 2009	38
Building an Atlas Lathe Carriage Dial Indicator and Clamp Assembly	Gary Paine	Lathes	HSM Vol. 28 No. 2 Mar-Apr 2009	42
Installing a Power Feed to the Quill of a Burke Powermatic Mill	Chuck Materna	Mills	HSM Vol. 28 No. 2 Mar-Apr 2009	46
Randolph's Shop Class: Soft Jaws	J. Randolph Bulgin	Shop Accessories	HSM Vol. 28 No. 2 Mar-Apr 2009	54
An Internal Expanding Mandrel for the Lathe	James Hannum	Lathes	HSM Vol. 28 No. 2 Mar-Apr 2009	58
Balance Your Wheel Once – Part One	Charles St. Louis	Shop Accessories	HSM Vol. 28 No. 3 May-Jun 2009	10
Ball Turner	Jan Michaels	Lathes	HSM Vol. 28 No. 3 May-Jun 2009	20
The Odd Screw	Paul J. Holm	Lathes	HSM Vol. 28 No. 3 May-Jun 2009	34
Polarizing Filter for a Pocket Camera	Bob Hadley	Projects	HSM Vol. 28 No. 3 May-Jun 2009	38
Richard Carlstedt – 2009 Metalworking Craftsman of the Year	Craig Libuse	Hobby Community	HSM Vol. 28 No. 3 May-Jun 2009	38
A Side-by-Side Horizontal	Douglas Kelley	Engines	HSM Vol. 28 No. 3 May-Jun 2009	48
Stamp Holder	Thomas M. Verity	Projects	HSM Vol. 28 No. 3 May-Jun 2009	52
Precision Router Table – Part Two	Jim Gavin	Shop Machinery	HSM Vol. 28 No. 3 May-Jun 2009	54
Randolph's Shop Class: Turning Between Centers	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 28 No. 3 May-Jun 2009	64
Quick-change Jaw System for the Bench Vise – Part One	Michael Ward	Shop Accessories	HSM Vol. 28 No. 4 Jul-Aug 2009	14
My Six Favorite Shop Made Tools	Ted Hansen	Shop Accessories	HSM Vol. 28 No. 4 Jul-Aug 2009	29
Builder's Notes on Rudy Kouhoupt's Steam Tractor	Ronald G. Casteel	Engines	HSM Vol. 28 No. 4 Jul-Aug 2009	32
Quick Clamp	Leo Radovich	Shop Machinery	HSM Vol. 28 No. 4 Jul-Aug 2009	38
Randolph's Shop Class: The Rotary Table	J. Randolph Bulgin	Shop Machinery	HSM Vol. 28 No. 4 Jul-Aug 2009	40
Balance Your Wheel Once – Part Two	Charles St. Louis	Shop Accessories	HSM Vol. 28 No. 4 Jul-Aug 2009	48
Precision Router Table, Part Three	Jim Gavin	Shop Accessories	HSM Vol. 28 No. 4 Jul-Aug 2009	62
17 Reasons to Love the Oxy-Acetylene Torch (or How to Use It)	Kent White	Welding/Foundry/Forging	HSM Vol. 28 No. 5 Sep-Oct 2009	12
Building a Large, Beam-type Steam Engine – Part One	Brian Rupnow	Engines	HSM Vol. 28 No. 5 Sep-Oct 2009	22
Scott LaBombard Wins 2009 Sherline Machinist's Challenge	Craig Libuse	Hobby Community	HSM Vol. 28 No. 5 Sep-Oct 2009	38
Making a Larger Cross-feed Dial for a Logan Lathe	Bob Neidorff	Lathes	HSM Vol. 28 No. 5 Sep-Oct 2009	42
Randolph's Shop Class: Speeds and Feeds	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 28 No. 5 Sep-Oct 2009	50

Quick-change Jaw System for the Bench Vise – Part Two	Michael Ward	Shop Accessories	HSM Vol. 28 No. 5 Sep-Oct 2009	54
Precision Router Table – Part Four	Jim Gavin	Shop Accessories	HSM Vol. 28 No. 5 Sep-Oct 2009	68
New Life for Old Collets	Paul J. Holm	Lathes	HSM Vol. 28 No. 6 Nov-Dec 2009	10
Variable Speed for Your Power Tools - A DC Motor and Contr	Jerry Pryor	Shop Machinery	HSM Vol. 28 No. 6 Nov-Dec 2009	22
Duplicating on a Metal Lathe	Gary Paine	Lathes	HSM Vol. 28 No. 6 Nov-Dec 2009	30
Making a Light Mount for the Mini-mill	Sandro Di Filippo	Shop Accessories	HSM Vol. 28 No. 6 Nov-Dec 2009	42
17 Reasons to Love the Oxy-acetylene Torch (or How to Use F	Kent White	Welding/Foundry/Forging	HSM Vol. 28 No. 6 Nov-Dec 2009	48
Building a Large, Beam-type Steam Engine – Part Two	Brian Rupnow	Engines	HSM Vol. 28 No. 6 Nov-Dec 2009	61
Randolph's Shop Class: Machining and Measuring Tapers	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 28 No. 6 Nov-Dec 2009	68
Upgrading the Atlas 10/12 Taper Attachment – Part One	John Ehler	Lathes	HSM Vol. 29 No. 1 Jan-Feb 2010	12
A Cross-slide for a Rotary Table	Matthew J. Russel	Shop Machinery	HSM Vol. 29 No. 1 Jan-Feb 2010	30
GEARS	Fred Prestridge	Hobby Community	HSM Vol. 29 No. 1 Jan-Feb 2010	36
A Homemade Miller Vise	Thomas Morrison	Shop Accessories	HSM Vol. 29 No. 1 Jan-Feb 2010	42
Anti-gravity Machine – Part One	Charles St. Louis	Projects	HSM Vol. 29 No. 1 Jan-Feb 2010	50
Building a Modified Gingery Metal Shaper	R.G. Sparber	Shop Machinery	HSM Vol. 29 No. 1 Jan-Feb 2010	56
Wood Lathe Follow Rest	Ronald G. Casteel	Lathes	HSM Vol. 29 No. 1 Jan-Feb 2010	64
Randolph's Shop Class: Tool Posts	J. Randolph Bulgin	Lathes	HSM Vol. 29 No. 1 Jan-Feb 2010	70
The Cut Knurling Tool – Part One	Michael Ward	Shop Machinery	HSM Vol. 29 No. 2 Mar-Apr 2010	12
Anti-gravity Machine – Part Two		Projects	HSM Vol. 29 No. 2 Mar-Apr 2010	28
Tool and Cutter Grinder Modification	Guy Hanson	Shop Machinery	HSM Vol. 29 No. 2 Mar-Apr 2010	34
A Method for Re-registering Threaded Work in the Lathe	Jerry Pontius	Lathes	HSM Vol. 29 No. 2 Mar-Apr 2010	36
A User-friendly Bridgeport Mill M-head Spindle Lock	Harvey Kratz	Mills	HSM Vol. 29 No. 2 Mar-Apr 2010	38
A New X-feed Nut System	Jerrold Tiers	Lathes	HSM Vol. 29 No. 2 Mar-Apr 2010	42
Upgrading the Atlas 10/12 Taper Attachment – Part Two	John Ehler	Lathes	HSM Vol. 29 No. 2 Mar-Apr 2010	44
Randolph's Shop Class - Spiders and Steady Rests and Such	J. Randolph Bulgin	Lathes	HSM Vol. 29 No. 2 Mar-Apr 2010	58
How to Make Bearings for your Bike	Bob Rodgerson	Projects	HSM Vol. 29 No. 2 Mar-Apr 2010	64
A Miniature Ball Turner	Jerry Kimble	Lathes	HSM Vol. 29 No. 3 May-Jun 2010	12
How to Make a Cylinder for a Motorcycle	Bob Rodgerson	Engines	HSM Vol. 29 No. 3 May-Jun 2010	20
A Radical Toolholder for High-speed Steel Tool Bits	David Wimberley	Lathes	HSM Vol. 29 No. 3 May-Jun 2010	30
Positioning the Cross-slide on a Rotary Table	R.G. Sparber	Shop Machinery	HSM Vol. 29 No. 3 May-Jun 2010	36
Michel Lefavre – 2010 Metalworking Craftsman of the Year	Craig Libuse	Hobby Community	HSM Vol. 29 No. 3 May-Jun 2010	38
Upgrading the Atlas 10/12 Taper Attachment, Part Three	John Ehler	Lathes	HSM Vol. 29 No. 3 May-Jun 2010	42
The Cut Knurling Tool, Part Two	Michael Ward	Shop Machinery	HSM Vol. 29 No. 3 May-Jun 2010	54
Randolph's Shop Class: Mandrels and Their Kin	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 29 No. 3 May-Jun 2010	64
A Visit to the American Precision Museum	Peter Merriam	General Machining Knowledge	HSM Vol. 29 No. 3 May-Jun 2010	70
Development of a Lathe Tool Post Grinder, Part One	Jim Gavin	Lathes	HSM Vol. 29 No. 4 Jul-Aug 2010	10
Shop Made Bevel Gears	Edward Hume	Projects	HSM Vol. 29 No. 4 Jul-Aug 2010	20
Beyond the Basics with a Variable Frequency Drive	Dennis Hardin	Lathes	HSM Vol. 29 No. 4 Jul-Aug 2010	28
Phoenix Battery Drills	Martin Gearing	Miscellaneous	HSM Vol. 29 No. 4 Jul-Aug 2010	34
The Cut Knurling Tool – Part Three	Michael Ward	Shop Machinery	HSM Vol. 29 No. 4 Jul-Aug 2010	40
Milling Index Center – Cheap and Easy	Ken Sevene	Mills	HSM Vol. 29 No. 4 Jul-Aug 2010	57
Randolph's Shop Class - Heat Treating	J. Randolph Bulgin	Welding/Foundry/Forging	HSM Vol. 29 No. 4 Jul-Aug 2010	58
Power through Flat Belts	Joel Sanderson	Projects	HSM Vol. 29 No. 5 Sep-Oct 2010	12
A Star Shines Again - Restoring an Old Lathe	Gary Paine	Lathes	HSM Vol. 29 No. 5 Sep-Oct 2010	30
Low-tech Plastic Injection	Lloyd Bender	Miscellaneous	HSM Vol. 29 No. 5 Sep-Oct 2010	36
Development of a Lathe Tool Post Grinder – Part Two	Jim Gavin	Lathes	HSM Vol. 29 No. 5 Sep-Oct 2010	42
The Cut Knurling Tool – Part Four	Michael Ward	Shop Machinery	HSM Vol. 29 No. 5 Sep-Oct 2010	48
Randolph's Shop Class: Coolants - Yes and No	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 29 No. 5 Sep-Oct 2010	62
"Tanks" a Lot: Methods for Metal Fuel Tank Development and	Kent White	Projects	HSM Vol. 29 No. 6 Nov-Dec 2010	12
Stop Your Bridgeport	Charles St. Louis	Mills	HSM Vol. 29 No. 6 Nov-Dec 2010	26
Development of a Lathe Tool Post Grinder – Part Three	Jim Gavin	Lathes	HSM Vol. 29 No. 6 Nov-Dec 2010	32
Secure that Tailstock Spindle Chuck	Paul J. Holm	Lathes	HSM Vol. 29 No. 6 Nov-Dec 2010	44
Bridgeport Vise Storage System	James W. Hauser	Shop Accessories	HSM Vol. 29 No. 6 Nov-Dec 2010	48
Modifications to Philip Duclos' Engines	James Service	Engines	HSM Vol. 29 No. 6 Nov-Dec 2010	52
The Cut Knurling Tool – Part Five		Shop Machinery	HSM Vol. 29 No. 6 Nov-Dec 2010	56
Randolph's Shop Class: Heat Treating II - The Sequel	J. Randolph Bulgin	Welding/Foundry/Forging	HSM Vol. 29 No. 6 Nov-Dec 2010	68
Basic Fixtures and Techniques for Making Rings	Mark Smith	Projects	HSM Vol. 30 No. 1 Jan-Feb 2011	10
Brian's Radial Engine – Part One	Brian Rupnow	Engines	HSM Vol. 30 No. 1 Jan-Feb 2011	20
Sensitive Drill Press	Glenn A. Pettit	Shop Machinery	HSM Vol. 30 No. 1 Jan-Feb 2011	30
Lathe Keyway Cutting Jig	Thomas M. Verity	Lathes	HSM Vol. 30 No. 1 Jan-Feb 2011	38
NEMES Model Engineering Show	Max Ben-aaron	Hobby Community	HSM Vol. 30 No. 1 Jan-Feb 2011	44
Snow Engine Distributor Update	Ray Sholl	Engines	HSM Vol. 30 No. 1 Jan-Feb 2011	50
A Lowered Bridgeport Switch	David L Meyers	Mills	HSM Vol. 30 No. 1 Jan-Feb 2011	54
Development of a Lathe Tool Post Grinder – Part Four	Jim Gavin	Lathes	HSM Vol. 30 No. 1 Jan-Feb 2011	58
Randolph's Shop Class: Shop Safety	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 30 No. 1 Jan-Feb 2011	64
Wood Lathe Chisel Sharpener	Peter Merriam	Shop Machinery	HSM Vol. 30 No. 1 Jan-Feb 2011	70
Change Gear Dividing on the Mark II Atlas 6" Lathe	Reid Kowallis	Lathes	HSM Vol. 30 No. 2 Mar-Apr 2011	12
A Low Cost Digital Readout for a Lathe	R.G. Sparber	Lathes	HSM Vol. 30 No. 2 Mar-Apr 2011	30
A Simple Follower Rest for the Lathe	Paul B Russ	Lathes	HSM Vol. 30 No. 2 Mar-Apr 2011	42
Reproducing an 18th Century Rolling Double Cone	James Donnelly	Projects	HSM Vol. 30 No. 2 Mar-Apr 2011	46
Brian's Radial Engine, Part Two	Brian Rupnow	Engines	HSM Vol. 30 No. 2 Mar-Apr 2011	48
Development of a Lathe Tool Post Grinder, Part Five	Jim Gavin	Lathes	HSM Vol. 30 No. 2 Mar-Apr 2011	54
A Tale of Two Vises	Myles Milner	Shop Accessories	HSM Vol. 30 No. 2 Mar-Apr 2011	64
Randolph's Shop Class: Indexing Basics	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 30 No. 2 Mar-Apr 2011	66
Scraping in the Home Shop, Part One	Michael Ward	General Machining Knowledge	HSM Vol. 30 No. 3 May-Jun 2011	12
My Myford ML2 – It's Rebuild and Conversion to a Turret Lat	Alan Suttie	Lathes	HSM Vol. 30 No. 3 May-Jun 2011	35
How to Make Valve Guides	Bob Rodgerson	Projects	HSM Vol. 30 No. 3 May-Jun 2011	42
Tweaking a Using an Imported Spin Index	J.A. Long	Shop Accessories	HSM Vol. 30 No. 3 May-Jun 2011	48
Making a Semi-quick-change Tool Post Holder	William Vander-Reyden	Lathes	HSM Vol. 30 No. 3 May-Jun 2011	54
Stuck up Bridgeport Quill Locking Lever	Charles St. Louis	Mills	HSM Vol. 30 No. 3 May-Jun 2011	58

Louis Chenot "Metalworking Craftsman of the Decade"	Craig Libuse	Hobby Community	HSM Vol. 30 No. 3 May-Jun 2011	62
Machine Shop in a Closet	Arthur Lowenthal	Miscellaneous	HSM Vol. 30 No. 3 May-Jun 2011	64
Boring and Facing Heads	J. Randolph Bulgin	Shop Accessories	HSM Vol. 30 No. 3 May-Jun 2011	66
A T-slotted Faceplate for the Mini-lathe	Sandro Di Filippo	Lathes	HSM Vol. 30 No. 4 Jul-Aug 2011	10
Making Use of Turret Tooling	William Abernathy	Lathes	HSM Vol. 30 No. 4 Jul-Aug 2011	22
Floating Tailstock Die Holder	Jeff Lott	Lathes	HSM Vol. 30 No. 4 Jul-Aug 2011	28
Milling Machine Vacuum Arm	Mike Pileski	Mills	HSM Vol. 30 No. 4 Jul-Aug 2011	34
Atlas Lathe Tailstock Lock	Michael Neafus	Lathes	HSM Vol. 30 No. 4 Jul-Aug 2011	38
Digital Camera to Microscope Adapter	Peter Merriam	Projects	HSM Vol. 30 No. 4 Jul-Aug 2011	42
Guitar Fret Mill	Roger Taylor	Projects	HSM Vol. 30 No. 4 Jul-Aug 2011	46
Scraping for the Home Shop, Part Two	Michael Ward	General Machining Knowledge	HSM Vol. 30 No. 4 Jul-Aug 2011	50
Randolph's Shop Class: Welding in the Home Shop	J. Randolph Bulgin	Welding/Foundry/Forging	HSM Vol. 30 No. 4 Jul-Aug 2011	66
Anti-rotational Shim for the Rotary Table	Tom McAllister	Mills	HSM Vol. 30 No. 4 Jul-Aug 2011	70
The EZ - Air Engine	Christopher Vasconcelos	Engines	HSM Vol. 30 No. 5 Sep-Oct 2011	8
Myford Series Seven Handwheel Dial	Graham Meek	Lathes	HSM Vol. 30 No. 5 Sep-Oct 2011	26
A Million Dollars Worth of Machinery for the Price of Tuition	R. Lane Maxwell	Hobby Community	HSM Vol. 30 No. 5 Sep-Oct 2011	36
Improvements to a Metal-cutting Band Saw	Robert Yost	Shop Machinery	HSM Vol. 30 No. 5 Sep-Oct 2011	42
Workholding with a Wedge	Richard Sevigny	Shop Accessories	HSM Vol. 30 No. 5 Sep-Oct 2011	44
Scraping for the Home Shop, Part Three	Michael Ward	General Machining Knowledge	HSM Vol. 30 No. 5 Sep-Oct 2011	46
A Round Die Wrench Replacement	Paul J. Holm	Shop Accessories	HSM Vol. 30 No. 5 Sep-Oct 2011	60
Randolph's Shop Class - Knurling	J. Randolph Bulgin	Shop Accessories	HSM Vol. 30 No. 5 Sep-Oct 2011	64
Lever Paradox	James Donnelly	Projects	HSM Vol. 30 No. 6 Nov-Dec 2011	10
An Automatic Feed for an Imported Boring Head	Ted Hansen	Lathes	HSM Vol. 30 No. 6 Nov-Dec 2011	36
An Oiler for Ball-type Oil Ports	Art Plunkett	Projects	HSM Vol. 30 No. 6 Nov-Dec 2011	42
Scraping for the Home Shop - Part Four	Michael Ward	General Machining Knowledge	HSM Vol. 30 No. 6 Nov-Dec 2011	46
Beginners' Tips from the Toolmaker: Who I am and Why I Like	Sandro Di Filippo	Hobby Community	HSM Vol. 30 No. 6 Nov-Dec 2011	60
Randolph's Shop Class - Chucks and Chucking - Part One	J. Randolph Bulgin	Lathes	HSM Vol. 30 No. 6 Nov-Dec 2011	62
Repairing a Pulley Hub	Carl Byrns	Miscellaneous	HSM Vol. 30 No. 6 Nov-Dec 2011	66
A User-friendly Follower Rest	Harry Bloom	Lathes	HSM Vol. 30 No. 6 Nov-Dec 2011	224
Four-Facet Drill Sharpener with Optional Point Splitter	John Moran	Shop Machinery	HSM Vol. 31 No. 1 Jan-Feb 2012	10
Weekend Project: A Woodworker's Marking Gauge	Andrew Wakefield	Shop Accessories	HSM Vol. 31 No. 1 Jan-Feb 2012	24
An Upgrade You Must Make	Steve Kinsey	Lathes	HSM Vol. 31 No. 1 Jan-Feb 2012	38
A Clamp-type Knurling Tool	John Viggers	Shop Machinery	HSM Vol. 31 No. 1 Jan-Feb 2012	42
Tweaking and Using an Imported Right Angle Head	J.A. Long	Mills	HSM Vol. 31 No. 1 Jan-Feb 2012	47
Scraping for the Home Shop - Part Five	Michael Ward	General Machining Knowledge	HSM Vol. 31 No. 1 Jan-Feb 2012	50
Randolph's Shop Class - Chucks and Chucking: Part Two	J. Randolph Bulgin	Lathes	HSM Vol. 31 No. 1 Jan-Feb 2012	64
Thread Designations and What They Mean	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 31 No. 1 Jan-Feb 2012	70
A Slotting Attachment for the Mill	Graham Meek	Mills	HSM Vol. 31 No. 2 Mar-Apr 2012	12
A "Sound" Repair	Walter Yetman	Projects	HSM Vol. 31 No. 2 Mar-Apr 2012	21
Some Drill Press Mods	Peter Merriam	Shop Machinery	HSM Vol. 31 No. 2 Mar-Apr 2012	24
Four-Facet Drill Sharpener with Optional Point Splitter - Part	John Moran	Shop Machinery	HSM Vol. 31 No. 2 Mar-Apr 2012	28
I Cut Threads!	Paul E Wofford	Projects	HSM Vol. 31 No. 2 Mar-Apr 2012	42
Tale of a Torii	Otto Bacon	Projects	HSM Vol. 31 No. 2 Mar-Apr 2012	45
Scraping for the Home Shop - Part Six	Michael Ward	General Machining Knowledge	HSM Vol. 31 No. 2 Mar-Apr 2012	48
Randolph's Shop Class: Poor Man's DRO	J. Randolph Bulgin	Shop Accessories	HSM Vol. 31 No. 2 Mar-Apr 2012	65
Tool Steels Explained	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 31 No. 2 Mar-Apr 2012	69
A Multispeed Attachment for a South Bend Drill Press	James A. Benjamin	Shop Machinery	HSM Vol. 31 No. 3 May-Jun 2012	8
Bridgeport Mill Switch Relocation	Weston R. Loomer	Shop Machinery	HSM Vol. 31 No. 3 May-Jun 2012	22
Modifying a Smithy Chuck	William Vander-Reyden	Lathes	HSM Vol. 31 No. 3 May-Jun 2012	28
A Small Bender	Roger Taylor	Shop Accessories	HSM Vol. 31 No. 3 May-Jun 2012	38
Scraping for the Home Shop - Part Seven	Michael Ward	General Machining Knowledge	HSM Vol. 31 No. 3 May-Jun 2012	40
A Die Holder for the Tool Post	Ivan Yelusich	Lathes	HSM Vol. 31 No. 3 May-Jun 2012	56
Beginners' Tips from the Toolmaker: Cutting Speed and Feed	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 31 No. 3 May-Jun 2012	57
Gary Conley - 2012 Metalworking Craftsman of the Year	Craig Libuse	Hobby Community	HSM Vol. 31 No. 3 May-Jun 2012	60
Randolph's Shop Class: Mistakes	J. Randolph Bulgin	Projects	HSM Vol. 31 No. 3 May-Jun 2012	62
A New Top Slide for the Atlas 6" Lathe	James A. Hornicek	Lathes	HSM Vol. 31 No. 4 Jul-Aug 2012	8
One Way to Make a Steam Ejector	Chet Roberts	Projects	HSM Vol. 31 No. 4 Jul-Aug 2012	20
Mr. Murphy and I Order a Lathe	R. Lynnard Tessner	Lathes	HSM Vol. 31 No. 4 Jul-Aug 2012	26
Running the "Boiler" Dry	Paul Anderson	Projects	HSM Vol. 31 No. 4 Jul-Aug 2012	31
Beginners' Tips from the Toolmaker: Steel - How To Figure O	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 31 No. 4 Jul-Aug 2012	34
Sherline Lathe Power Feed	Ronald G. Casteel	Lathes	HSM Vol. 31 No. 4 Jul-Aug 2012	38
Scraping for the Home Shop - Part Eight	Michael Ward	General Machining Knowledge	HSM Vol. 31 No. 4 Jul-Aug 2012	46
Randolph's Shop Class: From the Corner of the Tool Box	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 31 No. 4 Jul-Aug 2012	60
Deburr That Hole	Scott B. Lacey	Miscellaneous	HSM Vol. 31 No. 4 Jul-Aug 2012	65
In the Workshop with Humbernut: Constructing an Antique C	Bob Rodgerson	Projects	HSM Vol. 31 No. 5 Sep-Oct 2012	10
A Quick Adjust Quill Depth Stop	Gary Paine	Shop Machinery	HSM Vol. 31 No. 5 Sep-Oct 2012	22
Additions and Modifications to a Mini-lathe	Ted Hansen	Shop Machinery	HSM Vol. 31 No. 5 Sep-Oct 2012	29
Scraping for the Home Shop - Part Nine	Michael Ward	General Machining Knowledge	HSM Vol. 31 No. 5 Sep-Oct 2012	34
Drag Link Repair	Carl Byrns	Miscellaneous	HSM Vol. 31 No. 5 Sep-Oct 2012	50
Winging It: A Dual Purpose Handle	Charles St. Louis	Miscellaneous	HSM Vol. 31 No. 5 Sep-Oct 2012	53
Beginners' Tips from the Toolmaker:- Basic Layout Skills	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 31 No. 5 Sep-Oct 2012	58
Randolph's Shop Class - Threading	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 31 No. 5 Sep-Oct 2012	62
My Version of a Drill Finder Chart	Joe Blumber	General Machining Knowledge	HSM Vol. 31 No. 5 Sep-Oct 2012	70
The Bruce MacBeth EGINE - Part One	Douglas Kelley	Engines	HSM Vol. 31 No. 6 Nov-Dec 2012	10
Build a Gingery Dividing Head without Castings	Jerry L. Sokol	Shop Accessories	HSM Vol. 31 No. 6 Nov-Dec 2012	18
In the Workshop with Humbernut: Constructing an Antique C	Bob Rodgerson	Miscellaneous	HSM Vol. 31 No. 6 Nov-Dec 2012	24
Threading Stop for a 9" South Bend Lathe	Jim Connell	Lathes	HSM Vol. 31 No. 6 Nov-Dec 2012	24
Additions and Modifications to a Mini-lathe: Making a Facepl	Ted Hansen	Lathes	HSM Vol. 31 No. 6 Nov-Dec 2012	42
Beginners' Tips from the Toolmaker: Common Problems with	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 31 No. 6 Nov-Dec 2012	45
Scraping for the Home Shop - Part Ten	Michael Ward	General Machining Knowledge	HSM Vol. 31 No. 6 Nov-Dec 2012	48

Randolph's Shop Class: Threading – Part Two	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 31 No. 6 Nov-Dec 2012	58
A Poor Man's Multispeed Drill Press Attachment	Gary Vriezen	Shop Machinery	HSM Vol. 31 No. 6 Nov-Dec 2012	66
Broken Tap Tip	Bob Mansfield	Miscellaneous	HSM Vol. 31 No. 6 Nov-Dec 2012	70
Building a Tailstock Live Center with a 1-1/2-8 Spindle	Dave Garrett	Lathes	HSM Vol. 32 No. 1 Jan-Feb 2013	10
The Bruce Macbeth Engine – Part Two	Douglas Kelley	Engines	HSM Vol. 32 No. 1 Jan-Feb 2013	10
Making a Thick Walled Boring Bar Insert	R.G. Sparber	Projects	HSM Vol. 32 No. 1 Jan-Feb 2013	45
Additions and Modifications to a Mini-lathe: Apron Upgrades	Ted Hansen	Lathes	HSM Vol. 32 No. 1 Jan-Feb 2013	49
A Chisel Grinding Fixture	Jeff A. Finley	Shop Accessories	HSM Vol. 32 No. 1 Jan-Feb 2013	53
In the Workshop with Humbernute: Constructing an Antique C	Bob Rodgeron	Miscellaneous	HSM Vol. 32 No. 1 Jan-Feb 2013	56
Randolph's Shop Class: Lifting Devices for the Small Shop	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 32 No. 1 Jan-Feb 2013	64
Beginners' Tips From the Toolmaker: How to Achieve a More Synergy	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 32 No. 1 Jan-Feb 2013	69
Building a Modified Brooks Cutter Grinder – Part One	James Schroeder	Hobby Community	HSM Vol. 32 No. 1 Jan-Feb 2013	71
Rescue Poxy: How an Epoxy Disaster Drove the Search to Finc	L.H. Cantwell	Shop Machinery	HSM Vol. 32 No. 2 Mar-Apr 2013	10
A Portable Machine Oiler	Alan Anganes	Miscellaneous	HSM Vol. 32 No. 2 Mar-Apr 2013	28
The Bruce Macbeth Engine – Part Three	Douglas Kelley	Shop Accessories	HSM Vol. 32 No. 2 Mar-Apr 2013	44
Metric and Imperial Together - Without Pain	Martin Gearing	Engines	HSM Vol. 32 No. 2 Mar-Apr 2013	44
Additions and Modifications to a Mini-Lathe: Bed Wipers & C	Ted Hansen	General Machining Knowledge	HSM Vol. 32 No. 2 Mar-Apr 2013	50
Bolt in a Bottle Puzzle	Otto Bacon	Lathes	HSM Vol. 32 No. 2 Mar-Apr 2013	52
Randolph's Shop Class: Collets	J. Randolph Bulgin	Miscellaneous	HSM Vol. 32 No. 2 Mar-Apr 2013	56
Atlas Lathe Tool Holder	Michael Neafus	General Machining Knowledge	HSM Vol. 32 No. 2 Mar-Apr 2013	58
Beginners' Tips from the Toolmaker: Tapping a Hole by Hand	Sandro Di Filippo	Lathes	HSM Vol. 32 No. 2 Mar-Apr 2013	63
Book Review: Turning Precision Tapers on Your Mini Lathe	George Bulliss	General Machining Knowledge	HSM Vol. 32 No. 2 Mar-Apr 2013	64
Modeling a 1950s Briggs & Stratton Model 6S in Half Scale - A	Bill Lindsey	Hobby Community	HSM Vol. 32 No. 2 Mar-Apr 2013	72
The Bruce MacBeth Engine – Part Four	Douglas Kelley	Engines	HSM Vol. 32 No. 3 May-Jun 2013	10
Additions and Modifications to a Mini-Lathe: Increasing Torq	Ted Hansen	Engines	HSM Vol. 32 No. 3 May-Jun 2013	20
Emco Maier Dividing Attachment Modification	Gary Repesh	Lathes	HSM Vol. 32 No. 3 May-Jun 2013	28
Guillermo Rojas-Bazan – 2013 Metalworking Craftsman of the		Shop Accessories	HSM Vol. 32 No. 3 May-Jun 2013	34
Building a Modified Brooks Cutter Grinder – Part Two	James Schroeder	Hobby Community	HSM Vol. 32 No. 3 May-Jun 2013	38
Storing End Mills	Art Plunkett	Shop Machinery	HSM Vol. 32 No. 3 May-Jun 2013	42
Randolph's Shop Class: The Milling Machine: Home Shop Vers	J. Randolph Bulgin	Miscellaneous	HSM Vol. 32 No. 3 May-Jun 2013	56
Beginners' Tips from the Toolmaker: Using a Micrometer	Sandro Di Filippo	Mills	HSM Vol. 32 No. 3 May-Jun 2013	60
The Lathe: An Early Historical Overview	George W. Genevro	General Machining Knowledge	HSM Vol. 32 No. 3 May-Jun 2013	70
Solving a Work Holding Problem	James Kilroy	Miscellaneous	HSM Vol. 32 No. 4 Jul-Aug 2013	10
A Very Simple Ball Turning Attachment for a Lathe	Bob Neidorff	Miscellaneous	HSM Vol. 32 No. 4 Jul-Aug 2013	24
Additions and Modifications to the Mini-Lathe: Upgrading the	Ted Hansen	Lathes	HSM Vol. 32 No. 4 Jul-Aug 2013	28
Building a Modified Brooks Cutter Grinder – Part Three	James Schroeder	Lathes	HSM Vol. 32 No. 4 Jul-Aug 2013	34
2012 Lifetime Achievement Award		Shop Machinery	HSM Vol. 32 No. 4 Jul-Aug 2013	42
Repairing and Improving My Old Mill Vise	George J. Baisz	Hobby Community	HSM Vol. 32 No. 4 Jul-Aug 2013	55
Randolph's Shop Class: The Milling Machine, Home Shop Vers	J. Randolph Bulgin	Shop Accessories	HSM Vol. 32 No. 4 Jul-Aug 2013	58
Using an EDM to Repair an Odometer	Dennis Debano	Mills	HSM Vol. 32 No. 4 Jul-Aug 2013	60
A Machinist's Microscope	Alan Anganes	EDM	HSM Vol. 32 No. 4 Jul-Aug 2013	66
The OPOC 246 Engine – Part One	James Donnelly	Shop Accessories	HSM Vol. 32 No. 4 Jul-Aug 2013	72
Cutting Accurate External, Single-point Threads in a Lathe	Wes Brenner	Engines	HSM Vol. 32 No. 5 Sep-Oct 2013	12
Re-Machining a Low Cost XY Compound Vise	R.G. Sparber	Lathes	HSM Vol. 32 No. 5 Sep-Oct 2013	25
Additions and Modifications to a Mini-Lathe: Alignment Essen	Ted Hansen	Shop Accessories	HSM Vol. 32 No. 5 Sep-Oct 2013	31
Building a Modified Brooks Cutter Grinder – Part Four	James Schroeder	Lathes	HSM Vol. 32 No. 5 Sep-Oct 2013	46
Not Another Rotary Table	Joe Black	Shop Machinery	HSM Vol. 32 No. 5 Sep-Oct 2013	50
Randolph's Shop Class: Fly Cutters	J. Randolph Bulgin	Shop Accessories	HSM Vol. 32 No. 5 Sep-Oct 2013	55
Clock Bushing Repair Using a Sherline Mill	Ronald G. Casteel	General Machining Knowledge	HSM Vol. 32 No. 5 Sep-Oct 2013	57
Beginners' Tips from the Toolmaker: Hot-rolled vs. Cold-rolle	Sandro Di Filippo	Mills	HSM Vol. 32 No. 5 Sep-Oct 2013	61
A Carriage Indicator Stop for the Atlas Lathe	James A. Hornicek	General Machining Knowledge	HSM Vol. 32 No. 5 Sep-Oct 2013	66
Hex Head Drivers	Michael Ward	Lathes	HSM Vol. 32 No. 5 Sep-Oct 2013	68
Quick and Easy Boring Table for the Lathe	Charles E. Joscelyn	Shop Accessories	HSM Vol. 32 No. 6 Nov-Dec 2013	12
Re-machining End Mill Holders for Lathe Collet Use	William Vander-Reyden	Lathes	HSM Vol. 32 No. 6 Nov-Dec 2013	30
Building a Time Capsule	Kevin Smolkowski	Lathes	HSM Vol. 32 No. 6 Nov-Dec 2013	35
Additions and Modifications to the Mini-Lathe: A Carriage Tra	Ted Hansen	Projects	HSM Vol. 32 No. 6 Nov-Dec 2013	38
The OPOC 246 Engine – Part Two	James Donnelly	Lathes	HSM Vol. 32 No. 6 Nov-Dec 2013	42
Randolph's Shop Class: Work Holding – Part One	J. Randolph Bulgin	Engines	HSM Vol. 32 No. 6 Nov-Dec 2013	50
Beginners' Tips from the Toolmaker: Benchwork – Using a Ha	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 32 No. 6 Nov-Dec 2013	58
A Speed Key for Your Four-jaw Chuck	David Morrow	General Machining Knowledge	HSM Vol. 32 No. 6 Nov-Dec 2013	64
Building a Coleman Boulevard Lamp – Part One	Jeffrey C. Maier	Miscellaneous	HSM Vol. 32 No. 6 Nov-Dec 2013	67
Scratch Built: The Challenges and the Rewards	Bill Conway	Miscellaneous	HSM Vol. 33 No. 1 Jan-Feb 2014	12
Cams Made Easy	Graham Meek	Projects	HSM Vol. 33 No. 1 Jan-Feb 2014	21
Tailstock Parking Device and Bed Extension	Steve Roberts	Engines	HSM Vol. 33 No. 1 Jan-Feb 2014	24
Additions and Modifications to a Mini-Lathe: Using the Comp	Ted Hansen	Lathes	HSM Vol. 33 No. 1 Jan-Feb 2014	32
A Tool Post Dial Indicator Holder	Doug Ripka	Lathes	HSM Vol. 33 No. 1 Jan-Feb 2014	37
A Reversing Switch for a Mini-mill	Carl Byrns	Shop Accessories	HSM Vol. 33 No. 1 Jan-Feb 2014	44
A Home Built Shop	John Buffum	Mills	HSM Vol. 33 No. 1 Jan-Feb 2014	50
Randolph's Shop Class: Work Holding – Part Two	J. Randolph Bulgin	Miscellaneous	HSM Vol. 33 No. 1 Jan-Feb 2014	56
Beginners' Tips from the Toolmaker: Bench Work – Using File	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 33 No. 1 Jan-Feb 2014	62
Low Cost DROs for a Vertical Mill – Part One	Jim Gavin	General Machining Knowledge	HSM Vol. 33 No. 1 Jan-Feb 2014	68
Designing Fabrications with Wood: The Poor Man's "SolidWor	Charles E. Joscelyn	Mills	HSM Vol. 33 No. 2 Mar-Apr 2014	12
Stopping the Screwless Vise	Tom McAllister	General Machining Knowledge	HSM Vol. 33 No. 2 Mar-Apr 2014	26
Additions and Modifications to a Mini-Lathe: Milling Setups	Ted Hansen	Shop Accessories	HSM Vol. 33 No. 2 Mar-Apr 2014	30
Building a Coleman Boulevard Lamp – Part Two	Jeffrey C. Maier	Lathes	HSM Vol. 33 No. 2 Mar-Apr 2014	34
Some Recent Acquisitions by the Joe Martin Foundation Craft	Craig Libuse	Projects	HSM Vol. 33 No. 2 Mar-Apr 2014	42
Randolph's Shop Class: When is a Lathe not a Lathe?	J. Randolph Bulgin	Hobby Community	HSM Vol. 33 No. 2 Mar-Apr 2014	54
Beginners' Tips from the Toolmaker: Bench Work – Making a	Sandro Di Filippo	Lathes	HSM Vol. 33 No. 2 Mar-Apr 2014	56
Making a Steam Turbine	Walter Erspamer	Shop Accessories	HSM Vol. 33 No. 2 Mar-Apr 2014	62
		Projects	HSM Vol. 33 No. 3 May-Jun 2014	12

A Fix for the Mini-Lathe	Marco Crivellari	Lathes	HSM Vol. 33 No. 3 May-Jun 2014	22
Setting Up a Bench Grinder for Shaping Lathe Tools	Donald Brouse	Shop Accessories	HSM Vol. 33 No. 3 May-Jun 2014	30
Improving the Breed - Rebuilding a Homemade Rotary Table	Myles Milner	Shop Accessories	HSM Vol. 33 No. 3 May-Jun 2014	34
Tailstock Drill Press	Richard Rex	Lathes	HSM Vol. 33 No. 3 May-Jun 2014	42
Additions and Modifications to a Mini-Lathe: Compound Rest	Ted Hansen	Lathes	HSM Vol. 33 No. 3 May-Jun 2014	46
Low Cost DROs for a Vertical Mill – Part Two	Jim Gavin	Mills	HSM Vol. 33 No. 3 May-Jun 2014	50
Steve Lindsay – 2014 Metalworking Craftsman of the Year	Craig Libuse	Hobby Community	HSM Vol. 33 No. 3 May-Jun 2014	58
Beginners' Tips from the Toolmaker: Sharpening a Drill by Hand	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 33 No. 3 May-Jun 2014	60
Randolph's Shop Class: The Dial Indicator	J. Randolph Bulgin	Shop Accessories	HSM Vol. 33 No. 3 May-Jun 2014	64
Book Review: The Engine Lathe	George Bulliss	Hobby Community	HSM Vol. 33 No. 3 May-Jun 2014	69
Building Henry Ford's First Stationary Internal Combustion Engine	Christopher Vasconcelos	Engines	HSM Vol. 33 No. 4 Jul-Aug 2014	10
Tempering (as in Heat Treatment) the Easy Way - Results	Gua Martin Gearing	General Machining Knowledge	HSM Vol. 33 No. 4 Jul-Aug 2014	26
Improvements to Inexpensive Squares	Paul Alciatore	Shop Accessories	HSM Vol. 33 No. 4 Jul-Aug 2014	32
Installing a Machine Single-handedly	James A. Hornicek	Miscellaneous	HSM Vol. 33 No. 4 Jul-Aug 2014	46
Additions and Modifications to the Mini-Lathe: A Quick-change	Ted Hansen	Lathes	HSM Vol. 33 No. 4 Jul-Aug 2014	50
Construction of a Fence for a Delta Band Saw	Paul Smeltzer	Miscellaneous	HSM Vol. 33 No. 4 Jul-Aug 2014	56
Joe Martin – Model Engineer, Entrepreneur, and Sportsman		Hobby Community	HSM Vol. 33 No. 4 Jul-Aug 2014	60
Randolph's Shop Class: Uh-Oh!	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 33 No. 4 Jul-Aug 2014	62
Beginners' Tips from the Toolmaker: Using a Bench Grinder	Sandro Di Filippo	Shop Machinery	HSM Vol. 33 No. 4 Jul-Aug 2014	68
The Myford Super 7 Screw Cutting Clutch - Screw Cutting	Sim Graham Meek	Lathes	HSM Vol. 33 No. 5 Sep-Oct 2014	10
External Single Point Threading for Lathes	Dave Ford	General Machining Knowledge	HSM Vol. 33 No. 5 Sep-Oct 2014	24
Another Poor Man's DRO Solution	William Vander-Reyden	Shop Accessories	HSM Vol. 33 No. 5 Sep-Oct 2014	26
Building Henry Ford's First Stationary Internal Combustion Engine	Christopher Vasconcelos	Engines	HSM Vol. 33 No. 5 Sep-Oct 2014	28
How to Make Push Rod Ends for Vintage Motorcycles	Bob Rodgereson	Miscellaneous	HSM Vol. 33 No. 5 Sep-Oct 2014	42
Additions and Modifications to the Mini-Lathe: Aligning the Clutch	Ted Hansen	Lathes	HSM Vol. 33 No. 5 Sep-Oct 2014	52
Randolph's Shop Class: Keyways	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 33 No. 5 Sep-Oct 2014	60
Beginners' Tips from the Toolmaker: Using a Depth Micrometer	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 33 No. 5 Sep-Oct 2014	66
An Easy Rockwell Mill Arbor Support	Roger Taylor	Mills	HSM Vol. 33 No. 5 Sep-Oct 2014	70
Additions and Modifications to the Mini-Lathe: Cross Slide	Im Ted Hansen	Lathes	HSM Vol. 33 No. 6 Nov-Dec 2014	53
Beginners' Tips from the Toolmaker: Using Inside Micrometer	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 33 No. 6 Nov-Dec 2014	66
Book Review: Tabletop Milling	George Bulliss	Miscellaneous	HSM Vol. 33 No. 6 Nov-Dec 2014	70
Making a Tap Guide	Walter Erspamer	Shop Accessories	HSM Vol. 33 No. 6 Nov-Dec 2014	50
Miters and More - 4x6 Band Saw and Welding Fixtures	Charles Joscelyn	Shop Accessories	HSM Vol. 33 No. 6 Nov-Dec 2014	26
Modifying the 'Lil Brother Hit 'n Miss Engine – Part One	Donald Brouse	Engines	HSM Vol. 33 No. 6 Nov-Dec 2014	10
Randolph's Shop Class: Abrasive Machining	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 33 No. 6 Nov-Dec 2014	58
Rudy Kouhopt: My Teacher, My Mentor	Bill Conway	Hobby Community	HSM Vol. 33 No. 6 Nov-Dec 2014	23
The Myford Super 7 Screw Cutting Clutch - Screw Cutting	Sim Graham Meek	Lathes	HSM Vol. 33 No. 6 Nov-Dec 2014	36
A Digital Readout for the Myford Super Series Lathe	G. Wadham	Lathes	HSM Vol. 34 No. 1 Jan-Feb 2015	30
A Professional Grade Tortilla Press	Bernt Normanson	Projects	HSM Vol. 34 No. 1 Jan-Feb 2015	70
Additions and Modifications to the Mini-Lathe: Carriage Lock	Ted Hansen	Lathes	HSM Vol. 34 No. 1 Jan-Feb 2015	58
Modifying the 'Lil Brother Hit 'n Miss Engine – Part Two	Donald Brouse	Engines	HSM Vol. 34 No. 1 Jan-Feb 2015	38
Randolph's Shop Class - Holes	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 34 No. 1 Jan-Feb 2015	64
Spade Drill Holder	Don Wiederhold	Shop Accessories	HSM Vol. 34 No. 1 Jan-Feb 2015	24
Threading Clutch for the Grizzly G0602 – Part One	James Schroeder	Lathes	HSM Vol. 34 No. 1 Jan-Feb 2015	12
Tighter and Brighter	Charles St. Louis	Mills	HSM Vol. 34 No. 1 Jan-Feb 2015	46
Workholding for Thin Materials	Frank DiSanti	General Machining Knowledge	HSM Vol. 34 No. 1 Jan-Feb 2015	56
A Quickset Depth Stop	James Harp	Shop Machinery	HSM Vol. 34 No. 2 Mar-Apr 2015	32
A Tailstock Tap and Die Holding Tool with Feel	Paul Holm	Lathes	HSM Vol. 34 No. 2 Mar-Apr 2015	52
Additions and Modifications to the Mini-Lathe: The Modular Lathe	Ted Hansen	Lathes	HSM Vol. 34 No. 2 Mar-Apr 2015	58
Alignment Help for the Mill-Drill	Dave Sage	Mills	HSM Vol. 34 No. 2 Mar-Apr 2015	12
Cutting Corners	R.G. Sparber	Miscellaneous	HSM Vol. 34 No. 2 Mar-Apr 2015	62
Improvements to a Smithy 5C Collet Chuck	Carl Blum	Lathes	HSM Vol. 34 No. 2 Mar-Apr 2015	25
Quick-change Tool Post Mount	Wayne Hill	Lathes	HSM Vol. 34 No. 2 Mar-Apr 2015	30
Randolph's Shop Class: Who Said this is Impossible!?	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 34 No. 2 Mar-Apr 2015	64
Threading Clutch for the Grizzly G0602 – Part Two	James Schroeder	Lathes	HSM Vol. 34 No. 2 Mar-Apr 2015	42
William R. Robertson – 2015 Metalworking Craftsman of the Year	Craig Libuse	Hobby Community	HSM Vol. 34 No. 3 May-Jun 2015	33
Additions and Modifications to the Mini-Lathe: A Worm Drive	Ted Hansen	Lathes	HSM Vol. 34 No. 3 May-Jun 2015	46
Beginners' Tips from the Toolmaker: Drills	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 34 No. 3 May-Jun 2015	62
Boring Mill Seat Cutter	Michael Long	Shop Accessories	HSM Vol. 34 No. 3 May-Jun 2015	42
Capturing the Tommy Bar	Martin Gearing	Shop Accessories	HSM Vol. 34 No. 3 May-Jun 2015	44
Design and Construction of a Custom Golf Putter Head – Part One	Jim Gavin	Projects	HSM Vol. 34 No. 3 May-Jun 2015	10
Grandpa's Toolbox	Jon Working	Miscellaneous	HSM Vol. 34 No. 3 May-Jun 2015	70
Laser Trimming a Mill	Peter McKelvey	Mills	HSM Vol. 34 No. 3 May-Jun 2015	67
Quick-Change Toolholders and a Filing rest	Richard Rex	Lathes	HSM Vol. 34 No. 3 May-Jun 2015	36
Randolph's Shop Class: Gear Cutting	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 34 No. 3 May-Jun 2015	54
Spunky – the Super Simple to Build and Understand Pony Hot Rod	Charles St. Louis	Engines	HSM Vol. 34 No. 3 May-Jun 2015	20
A Device for Simplifying Thread Cutting	Jim McKee	Lathes	HSM Vol. 34 No. 4 Jul-Aug 2015	35
Additions and Modifications to the Mini-Lathe: Using the Workholding	Ted Hansen	Lathes	HSM Vol. 34 No. 4 Jul-Aug 2015	54
Beginners' Tips from the Toolmaker: Getting Started – What to Buy	Sandro Di Filippo	Shop Machinery	HSM Vol. 34 No. 4 Jul-Aug 2015	68
Building the Shortstack Twin	Christopher Vasconcelos	Engines	HSM Vol. 34 No. 4 Jul-Aug 2015	8
Design and Construction of a Custom Golf Putter Head – Part Two	Jim Gavin	Projects	HSM Vol. 34 No. 4 Jul-Aug 2015	42
Lathe Chuck Safety Device	David Childers	Lathes	HSM Vol. 34 No. 4 Jul-Aug 2015	32
Little Metal Monsters Made on Your Lathe	Thomas I. Stuart	Miscellaneous	HSM Vol. 34 No. 4 Jul-Aug 2015	26
Randolph's Shop Class: Table Furniture	J. Randolph Bulgin	Shop Accessories	HSM Vol. 34 No. 4 Jul-Aug 2015	60
Tailstock Chuck Arbor	Roger Taylor	Lathes	HSM Vol. 34 No. 4 Jul-Aug 2015	48
Improvements on a Multipurpose Machine – Part One	James Hornicek	Shop Machinery	HSM Vol. 34 No. 5 Sep-Oct 2015	10
A Wright Brothers Engine Projects	Ken Reed	Engines	HSM Vol. 34 No. 5 Sep-Oct 2015	24
Design and Construction of a Custom Golf Putter Head – Part Two	Jim Gavin	Projects	HSM Vol. 34 No. 5 Sep-Oct 2015	32
Four-Tool Turrets	Graham Meek	Lathes	HSM Vol. 34 No. 5 Sep-Oct 2015	42
My EDM	Luis Ballin	EDM	HSM Vol. 34 No. 5 Sep-Oct 2015	54

Additions and Modifications to the Mini-Lathe: Making Gear	Ted Hansen	Miscellaneous	HSM Vol. 34 No. 5 Sep-Oct 2015	56
Randolph's Shop Class: Indexing In-Depth	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 34 No. 5 Sep-Oct 2015	60
Beginners' Tips from the Toolmaker: Telescoping Gages	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 34 No. 5 Sep-Oct 2015	68
Lathe Boring Bar Holder	Wilfred Nise	Lathes	HSM Vol. 34 No. 6 Nov-Dec 2015	8
Miller, Offenhauser, Meyer-Drake: America's Unique Racing Engines	George Genevros	Engines	HSM Vol. 34 No. 6 Nov-Dec 2015	10
Upgrading an Import Drill Press for some "Real" Work	John Felgenhauer	Shop Machinery	HSM Vol. 34 No. 6 Nov-Dec 2015	30
Improvements on a Multipurpose Machine – Part Two	James Hornicek	Shop Machinery	HSM Vol. 34 No. 6 Nov-Dec 2015	32
A Grinder with Guts	Andrew H. Wakefield	Shop Machinery	HSM Vol. 34 No. 6 Nov-Dec 2015	42
Additions and Modifications to the Mini-Lathe: Steady Rests	Ted Hansen	Lathes	HSM Vol. 34 No. 6 Nov-Dec 2015	56
Band Saw Tips	Paul Anderson	Shop Machinery	HSM Vol. 34 No. 6 Nov-Dec 2015	62
Randolph's Shop Class: The Volstro System	J. Randolph Bulgin	Shop Accessories	HSM Vol. 34 No. 6 Nov-Dec 2015	64
Beginners' Tips from the Toolmaker: Small Hole Gages	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 34 No. 6 Nov-Dec 2015	71
Brain Snapper	Chuck St. Louis	Miscellaneous	HSM Vol. 35 No. 1 Jan-Feb 2016	12
Adapting a Bridgeport-style Right Angle Drive to a Tree Mill	Harvey Kratz	Mills	HSM Vol. 35 No. 1 Jan-Feb 2016	18
Docking a Smartphone	R. G. Sparber	Miscellaneous	HSM Vol. 35 No. 1 Jan-Feb 2016	20
Cutter Grinder Improvements	William Vander-Reyden	Shop Machinery	HSM Vol. 35 No. 1 Jan-Feb 2016	26
Funky Power Tapper	Carl Blum	Shop Machinery	HSM Vol. 35 No. 1 Jan-Feb 2016	34
A Lathe Tool Height Gage	Jim Gavin	Lathes	HSM Vol. 35 No. 1 Jan-Feb 2016	42
Max, My E-Z Boring Tool Holder	Donald Erickson	Shop Accessories	HSM Vol. 35 No. 1 Jan-Feb 2016	48
Additions and Modifications to the Mini-Lathe: Vertical Milling	Ted Hansen	Lathes	HSM Vol. 35 No. 1 Jan-Feb 2016	50
Randolph's Shop Class: The SINE	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 35 No. 1 Jan-Feb 2016	58
Beginners' Tips from the Toolmaker: Calipers	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 35 No. 1 Jan-Feb 2016	64
Shoes for Enco's 12x36 Gearhead Lathe	Joe Fox	Lathes	HSM Vol. 35 No. 1 Jan-Feb 2016	68
The IHC Titan 50 HP – Part One	Doug Kelley	Engines	HSM Vol. 35 No. 2 Mar-Apr 2016	12
The Fifteen Puzzle	J. Randolph Bulgin	Miscellaneous	HSM Vol. 35 No. 2 Mar-Apr 2016	24
Vise Pads	Fred Prestridge	Shop Accessories	HSM Vol. 35 No. 2 Mar-Apr 2016	32
Gain Pitch Thread	Richard Hanley	General Machining Knowledge	HSM Vol. 35 No. 2 Mar-Apr 2016	36
Jaw Repair - Using a Cheap and Nasty Tool Post Grinder	John Viggers	Lathes	HSM Vol. 35 No. 2 Mar-Apr 2016	38
SuperMax Mill Repair	David R. MacManus	Mills	HSM Vol. 35 No. 2 Mar-Apr 2016	46
Additions and Modifications to the Mini-Lathe: A Horizontal Mill	Ted Hansen	Lathes	HSM Vol. 35 No. 2 Mar-Apr 2016	52
Randolph's Shop Class: Threads	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 35 No. 2 Mar-Apr 2016	60
Beginners' Tips from the Toolmaker: Vernier Calipers	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 35 No. 2 Mar-Apr 2016	66
Book Review: The Turret-Ram Milling Machine For the Beginner	George Bulliss	Hobby Community	HSM Vol. 35 No. 3 May-Jun 2016	56
Book Review: STEEL - From Mine to Mill, the Metal that Made America	George Bulliss	Hobby Community	HSM Vol. 35 No. 3 May-Jun 2016	56
A Swivel Yoke for the Mini-Mill	Chris Howie	Mills	HSM Vol. 35 No. 3 May-Jun 2016	14
An Antique Machine Shop	Ronald Hoffman	Hobby Community	HSM Vol. 35 No. 3 May-Jun 2016	26
Homemade Hand Tapper	Pete Sorenson	Shop Accessories	HSM Vol. 35 No. 3 May-Jun 2016	32
The IHC Titan 50 HP – Part Two	Doug Kelley	Engines	HSM Vol. 35 No. 3 May-Jun 2016	42
Protecting the Change Gears	Samuel Will	Lathes	HSM Vol. 35 No. 3 May-Jun 2016	48
Making a Rocker	Don Wiederhold	Lathes	HSM Vol. 35 No. 3 May-Jun 2016	50
Angle Half Nut	R. G. Sparber	Miscellaneous	HSM Vol. 35 No. 3 May-Jun 2016	58
Additions and Modifications to the Mini-Lathe: Fine Feeds and	Ted Hansen	Lathes	HSM Vol. 35 No. 3 May-Jun 2016	52
Randolph's Shop Class: Material Storage	J. Randolph Bulgin	Miscellaneous	HSM Vol. 35 No. 3 May-Jun 2016	60
Beginners' Tips from the Toolmaker: Basic Turning	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 35 No. 3 May-Jun 2016	66
Book Review: 30th Edition Machinery's Handbook by Industrial Press	George Bulliss	Hobby Community	HSM Vol. 35 No. 4 Jul-Aug 2016	50
A Boring and Facing Head – Part One	Graham Meek	Mills	HSM Vol. 35 No. 4 Jul-Aug 2016	10
Quick and Easy Setups!	Maurice King	Shop Accessories	HSM Vol. 35 No. 4 Jul-Aug 2016	20
Improving the Accuracy of a Vertical Mill	Jim Gavin	Mills	HSM Vol. 35 No. 4 Jul-Aug 2016	22
Reversing Gear for a Grizzly G0602 Lathe	Richard Robertson	Lathes	HSM Vol. 35 No. 4 Jul-Aug 2016	34
Quarter-Turn Thumbscrew	Larry Rudd	Miscellaneous	HSM Vol. 35 No. 4 Jul-Aug 2016	38
The IHC Titan 50 HP – Part Three	Doug Kelley	Engines	HSM Vol. 35 No. 4 Jul-Aug 2016	42
Edge Finder Zero Block	Mark Schell	Shop Accessories	HSM Vol. 35 No. 4 Jul-Aug 2016	67
Microscope Illuminator	Terrell E. Koken	Miscellaneous	HSM Vol. 35 No. 4 Jul-Aug 2016	68
Metric Threading	Marc Pohm	General Machining Knowledge	HSM Vol. 35 No. 4 Jul-Aug 2016	72
Additions and Modifications to the Mini-Lathe: Ball Thrust Bearings	Ted Hansen	Lathes	HSM Vol. 35 No. 4 Jul-Aug 2016	52
Randolph's Shop Class: Moving Machinery	J. Randolph Bulgin	Miscellaneous	HSM Vol. 35 No. 4 Jul-Aug 2016	58
Beginners' Tips from the Toolmaker: Fly Cutters	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 35 No. 4 Jul-Aug 2016	64
Making a Pendulum Clock – Part One	Lowell Braxton	Mills	HSM Vol. 35 No. 5 Sep-Oct 2016	47
Shop Saw	Duane Dehnicke	Shop Machinery	HSM Vol. 35 No. 5 Sep-Oct 2016	28
Collet Adapter	Harvey Kratz	Shop Accessories	HSM Vol. 35 No. 5 Sep-Oct 2016	42
Cold Saw Cart	Don Wiederhold	Shop Accessories	HSM Vol. 35 No. 5 Sep-Oct 2016	44
The IHC Titan 50 HP – Part Four	Doug Kelley	Engines	HSM Vol. 35 No. 5 Sep-Oct 2016	54
Additions and Modifications to the Mini-Lathe: Turning Taper	Ted Hansen	Lathes	HSM Vol. 35 No. 5 Sep-Oct 2016	60
Randolph's Shop Class: Reamers and Reaming	J. Randolph Bulgin	Miscellaneous	HSM Vol. 35 No. 5 Sep-Oct 2016	66
The Rupnow Flathead Engine – Part One	Brian Rupnow	Engines	HSM Vol. 35 No. 6 Nov-Dec 2016	10
Copying a Die Filer	Ken Roth	Shop Accessories	HSM Vol. 35 No. 6 Nov-Dec 2016	20
Carriage Indicators for an Atlas Lathe	Dave Harnish	Lathes	HSM Vol. 35 No. 6 Nov-Dec 2016	26
A Threaded Collet for a Three-Jaw Chuck	R. G. Sparber	Shop Accessories	HSM Vol. 35 No. 6 Nov-Dec 2016	28
Impossible Sliding Blocks	J. Randolph Bulgin	Projects	HSM Vol. 35 No. 6 Nov-Dec 2016	32
Making a Pendulum Clock – Part Two	Lowell Braxton	Clocks	HSM Vol. 35 No. 6 Nov-Dec 2016	42
A Self-Centering Holder for Sharpening Drills	Robert E. Poupard	Shop Accessories	HSM Vol. 35 No. 6 Nov-Dec 2016	52
Additions and Modifications to the Mini-Lathe: Upgrading Sorbus	Ted Hansen	Lathes	HSM Vol. 35 No. 6 Nov-Dec 2016	56
Randolph's Shop Class: Horizontal Attachments	J. Randolph Bulgin	Shop Accessories	HSM Vol. 35 No. 6 Nov-Dec 2016	64
The Rupnow Flathead Engine – Part Two	Brian Rupnow	Engines	HSM Vol. 36 No. 1 Jan-Feb 2017	28
Evolution of a Carburetor	Graham Meek	Engines	HSM Vol. 36 No. 1 Jan-Feb 2017	10
Restoration and Reconnection	Roger Taylor	Welding/Foundry/Forging	HSM Vol. 36 No. 1 Jan-Feb 2017	24
What is a Blade Skate and why do I Need One?	R. G. Sparber	Shop Machinery	HSM Vol. 36 No. 1 Jan-Feb 2017	27
Depth Stop Revision	Ronald Casteel	Shop Accessories	HSM Vol. 36 No. 1 Jan-Feb 2017	42
Making a Pendulum Clock – Part Three	Lowell Braxton	Clocks	HSM Vol. 36 No. 1 Jan-Feb 2017	44
Building the Beam Engine Mary	Ernie Noa	Engines	HSM Vol. 36 No. 1 Jan-Feb 2017	70

Additions and Modifications to the Mini-Lathe: A Workshop C	Ted Hansen	Shop Accessories	HSM Vol. 36 No. 1 Jan-Feb 2017	50
Randolph's Shop Class: Vertical Slotter	J. Randolph Bulgin	Shop Machinery	HSM Vol. 36 No. 1 Jan-Feb 2017	60
Beginners' Tips from the Toolmaker: High Speed Steel	Sandro Di Filippo	Lathes	HSM Vol. 36 No. 1 Jan-Feb 2017	66
Making Gear Cutters using a Button Formed Profile	Martin Gearing	Lathes	HSM Vol. 36 No. 2 Mar-Apr 2017	12
Dedicated Spot and Center Drill Holders	Dave Garrett	Lathes	HSM Vol. 36 No. 2 Mar-Apr 2017	26
A Trip Through Bernie's Shop	Bernie Kaczkowski	Miscellaneous	HSM Vol. 36 No. 2 Mar-Apr 2017	30
A Small Wheel Adapter	David Myers	Shop Accessories	HSM Vol. 36 No. 2 Mar-Apr 2017	36
Making a Pendulum Clock – Part Four	Lowell Braxton	Clocks	HSM Vol. 36 No. 2 Mar-Apr 2017	38
The Rupnow Flathead Engine – Part Three	Brian Rupnow	Engines	HSM Vol. 36 No. 2 Mar-Apr 2017	48
Randolph's Shop Class: Tool Caddys	J. Randolph Bulgin	Shop Accessories	HSM Vol. 36 No. 2 Mar-Apr 2017	56
Beginners' Tips from the Toolmaker: Lathe Tooling: Carbide	Sandro Di Filippo	Lathes	HSM Vol. 36 No. 2 Mar-Apr 2017	64
Pop Rivet Die	Ron Geppert	Miscellaneous	HSM Vol. 36 No. 2 Mar-Apr 2017	68
Profiled Fly Cutters for Gear Cutting	Martin Gearing	Lathes	HSM Vol. 36 No. 3 May-Jun 2017	26
A Handwheel Dial for the Mini-Lathe	Graham Meek	Lathes	HSM Vol. 36 No. 3 May-Jun 2017	12
My Completed PM Research Engine	Ernie Noa	Engines	HSM Vol. 36 No. 3 May-Jun 2017	36
Another DRO Finds a Mill	Tom McAllister	Mills	HSM Vol. 36 No. 3 May-Jun 2017	42
A Poor Man's Worm Drive	Clarence Elias	Mills	HSM Vol. 36 No. 3 May-Jun 2017	56
The Rupnow Flathead Engine – Part Four	Brian Rupnow	Engines	HSM Vol. 36 No. 3 May-Jun 2017	47
Cherry Hill – 2017 Craftsman of the Year Award	Craig Libuse	Hobby Community	HSM Vol. 36 No. 3 May-Jun 2017	59
Using Spacer Blocks	R. G. Sparber	General Machining Knowledge	HSM Vol. 36 No. 3 May-Jun 2017	70
Randolph's Shop Class: Machine Shop Alloys	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 36 No. 3 May-Jun 2017	61
Beginners' Tips from the Toolmaker: More About Threads	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 36 No. 3 May-Jun 2017	67
Say Goodbye to the Compound – Part One	Richard Rex	Lathes	HSM Vol. 36 No. 4 Jul-Aug 2017	8
Repairing a Broken Bolt	William Vander-Reyden	Miscellaneous	HSM Vol. 36 No. 4 Jul-Aug 2017	22
Understanding Hand Reamers	Roger Taylor	General Machining Knowledge	HSM Vol. 36 No. 4 Jul-Aug 2017	26
Review and Teardown of the South Bend SB-1002 – the "New	Doug Ripka	Lathes	HSM Vol. 36 No. 4 Jul-Aug 2017	34
Fox .36X	John Buffum	Engines	HSM Vol. 36 No. 4 Jul-Aug 2017	50
Converting a Vertical Mill to a Vertical Lathe	Thomas Allsup	Mills	HSM Vol. 36 No. 4 Jul-Aug 2017	54
Knobs	Bernard Cooper	Miscellaneous	HSM Vol. 36 No. 4 Jul-Aug 2017	70
Randolph's Shop Class: The Common Twist Drill	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 36 No. 4 Jul-Aug 2017	57
Beginners' Tips from the Toolmaker: Measuring Threads	Sandro Di Filippo	General Machining Knowledge	HSM Vol. 36 No. 4 Jul-Aug 2017	65
A Small Dividing Head for the Home Shop - Part One	John Manhardt	Mills	HSM Vol. 36 No. 5 Sep-Oct 2017	8
Mini-Lathe Improvements	Michael Beresford	Lathes	HSM Vol. 36 No. 5 Sep-Oct 2017	19
Yet Another Taper Attachment	Bob Woods	Lathes	HSM Vol. 36 No. 5 Sep-Oct 2017	24
An Arbor-Mounted Universal Tap Holder (also Charles Levin's)	John Lindo	Shop Accessories	HSM Vol. 36 No. 5 Sep-Oct 2017	28
A Centrifugal Separator for the Shop Vacuum	Ron Geppert	Miscellaneous	HSM Vol. 36 No. 5 Sep-Oct 2017	38
Mill/Drill Gib Lock	Michael Jenks	Mills	HSM Vol. 36 No. 5 Sep-Oct 2017	44
Band-Aid for an Old Drill Press	Timothy J. Apps	Shop Machinery	HSM Vol. 36 No. 5 Sep-Oct 2017	50
Say Goodbye to the Compound – Part Two	Richard Rex	Lathes	HSM Vol. 36 No. 5 Sep-Oct 2017	56
Randolph's Shop Class: Toolholder for the Quick-Change Tool	J. Randolph Bulgin	Lathes	HSM Vol. 36 No. 5 Sep-Oct 2017	67
Any Thread: A Parallel-linked, Adjustable Sine Bar Threading /	Herb Yohe	Lathes	HSM Vol. 36 No. 6 Nov-Dec 2017	8
Miniature Spark Plugs Made Easy	Graham Meek	Engines	HSM Vol. 36 No. 6 Nov-Dec 2017	24
Nash Engine Build	Doug Kelley	Engines	HSM Vol. 36 No. 6 Nov-Dec 2017	34
A Different Spacer for the Lathe Chuck	William Vander-Reyden	Lathes	HSM Vol. 36 No. 6 Nov-Dec 2017	37
Improving the Pulley Serviceability on an RF-30 Mill/Drill	John M. Herrmann	Mills	HSM Vol. 36 No. 6 Nov-Dec 2017	42
A Small Dividing Head for the Home Shop – Part Two	John Manhardt	Mills	HSM Vol. 36 No. 6 Nov-Dec 2017	46
An Electronic Edge Finder	R.G. Sparber	Miscellaneous	HSM Vol. 36 No. 6 Nov-Dec 2017	56
The Nursery	Richard Henley	Miscellaneous	HSM Vol. 36 No. 6 Nov-Dec 2017	70
Randolph's Shop Class: Shaft Repair	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 36 No. 6 Nov-Dec 2017	62
Hold Onto that Boring Bar – Part One	Michael Ward	Lathes	HSM Vol. 37 No. 1 Jan-Feb 2018	10
A Dremel Bracket	Jerry L. Sokol	Miscellaneous	HSM Vol. 37 No. 1 Jan-Feb 2018	18
Making Piston Rings	Ted Hansen	Engines	HSM Vol. 37 No. 1 Jan-Feb 2018	20
Any Thread: A Parallel-linked, Adjustable Sine Bar Threading /	Herb Yohe	Lathes	HSM Vol. 37 No. 1 Jan-Feb 2018	24
Model Radiators	David Bradley	Engines	HSM Vol. 37 No. 1 Jan-Feb 2018	37
A Small Dividing Head for the Home Shop – Part Three	John Manhardt	Mills	HSM Vol. 37 No. 1 Jan-Feb 2018	42
The Old, Retired Shop Teacher: The Hamilton Sensitive Drill P	Rogert Taylor	Shop Machinery	HSM Vol. 37 No. 1 Jan-Feb 2018	52
A Deepthing Tool (The Wrong Way to do a Machining Operatio	Ernie Noa	Miscellaneous	HSM Vol. 37 No. 1 Jan-Feb 2018	66
Randolph's Shop Class: Differential Threads	J. Randolph Bulgin	General Machining Knowledge	HSM Vol. 37 No. 1 Jan-Feb 2018	60
The Project	Graham Meek	Engines	HSM Vol. 37 No. 2 Mar-Apr 2018	12
Fancy Knurling	Gary P. Paine	General Machining Knowledge	HSM Vol. 37 No. 2 Mar-Apr 2018	22
A Spindle Brake for the Jet 13" Lathe	Paul Temple	Lathes	HSM Vol. 37 No. 2 Mar-Apr 2018	26
Independent Rest	David Bradley	Lathes	HSM Vol. 37 No. 2 Mar-Apr 2018	36
Building a Power Feed for a Milling Machine	Blaine Geddes	Mills	HSM Vol. 37 No. 2 Mar-Apr 2018	38
Hold Onto that Boring Bar – Part Two	Michael Ward	Lathes	HSM Vol. 37 No. 2 Mar-Apr 2018	46
Randolph's Shop Class: Rebuilding a (your machine here)	J. Randolph Bulgin	Miscellaneous	HSM Vol. 37 No. 2 Mar-Apr 2018	60
The Old, Retired Shop Teacher: Building a Train Whistle	Rogert Taylor	Miscellaneous	HSM Vol. 37 No. 2 Mar-Apr 2018	66
Henry Ford's Quadricycle Engine in Half-Scale – Part One	Christopher Vasconcelos	Engines	HSM Vol. 37 No. 3 May-Jun 2018	12
The First Engine	Larry Shulda	Engines	HSM Vol. 37 No. 3 May-Jun 2018	23
Tramming Made Easy	David Ford	Mills	HSM Vol. 37 No. 3 May-Jun 2018	24
A Micrometer Height Gauge	Graham Meek	Miscellaneous	HSM Vol. 37 No. 3 May-Jun 2018	28
A Two Piece Milling Vise	Jerry L. Sokol	Mills	HSM Vol. 37 No. 3 May-Jun 2018	42
A Mini-Lathe Carriage Guide	Ted Hansen	Lathes	HSM Vol. 37 No. 3 May-Jun 2018	44
Furl the Mainsail	Paul Anderson	Miscellaneous	HSM Vol. 37 No. 3 May-Jun 2018	46
Chuck Balmer – 2018 Craftsman of the Year Award	Craig Libuse	Hobby Community	HSM Vol. 37 No. 3 May-Jun 2018	50
My First Clock	Ernie Noa	Clocks	HSM Vol. 37 No. 3 May-Jun 2018	66
Randolph's Shop Class: Building a Loom – Part One	J. Randolph Bulgin	Projects	HSM Vol. 37 No. 3 May-Jun 2018	54
The Old, Retired Shop Teacher: The Anti-Compound Accessor	Rogert Taylor	Lathes	HSM Vol. 37 No. 3 May-Jun 2018	64
A Lathe Belt-Drive Unit – Part One	Michael Ward	Lathes	HSM Vol. 37 No. 4 Jul-Aug 2018	10
Machining the MLA Sine Plate	Fred Prestridge	Projects	HSM Vol. 37 No. 4 Jul-Aug 2018	22
My Retractable Toolholder Design	Don Wiederhold	Lathes	HSM Vol. 37 No. 4 Jul-Aug 2018	26

Custom Tooling for a Restoration Project	Frank DiSanti	Shop Machinery	HSM Vol. 37 No. 4 Jul-Aug 2018	32
Turning a Tippe Top	Andrew Bernat	Projects	HSM Vol. 37 No. 4 Jul-Aug 2018	34
Spiffing up the Saw	David Bradley	Shop Machinery	HSM Vol. 37 No. 4 Jul-Aug 2018	38
My Version of the Meek Handwheel	Robert L. Franklin, Ph.D.	Lathes	HSM Vol. 37 No. 4 Jul-Aug 2018	42
Henry Ford's Quadricycle Engine in Half-Scale – Part Two	Christopher Vasconcelos	Engines	HSM Vol. 37 No. 4 Jul-Aug 2018	44
Randolph's Shop Class: Building a Loom – Part Two	J. Randolph Bulgin	Projects	HSM Vol. 37 No. 4 Jul-Aug 2018	56
The Old, Retired Shop Teacher: Angle Grinder Adaptor	Rogert Taylor	Shop Machinery	HSM Vol. 37 No. 4 Jul-Aug 2018	66
Soft Jaws Solve Many Issues	John Lindo	Lathes	HSM Vol. 37 No. 5 Sep-Oct 2018	10
Building a Universal Pillar Tool	Jerry L. Sokol	Shop Machinery	HSM Vol. 37 No. 5 Sep-Oct 2018	22
A Tapping Attachment for Small Taps	Graham Meek	Shop Accessories	HSM Vol. 37 No. 5 Sep-Oct 2018	26
A Lathe Belt-Drive Unit – Part Two	Michael Ward	Lathes	HSM Vol. 37 No. 5 Sep-Oct 2018	30
Henry Ford's Quadricycle Engine in Half-Scale – Part Three	Christopher Vasconcelos	Engines	HSM Vol. 37 No. 5 Sep-Oct 2018	42
Portable Cut Off Saw Cart	Don Wiederhold	Shop Accessories	HSM Vol. 37 No. 5 Sep-Oct 2018	52
Why Have CNC in Your Home Shop	R.G. Sparber	General Machining Knowledge	HSM Vol. 37 No. 5 Sep-Oct 2018	55
Cooling With Steam: Old Iron in Souther Patagonia	Kurt, Dr. Hillig	Miscellaneous	HSM Vol. 37 No. 5 Sep-Oct 2018	57
Randolph's Shop Class: Building a Loom – Part Three	J. Randolph Bulgin	Projects	HSM Vol. 37 No. 5 Sep-Oct 2018	64
The Old, Retired Shop Teacher: My Steady Rest	Rogert Taylor	Shop Accessories	HSM Vol. 37 No. 5 Sep-Oct 2018	71