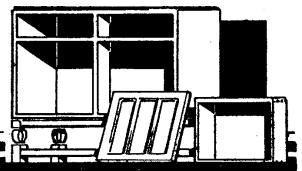


WOODWORKER



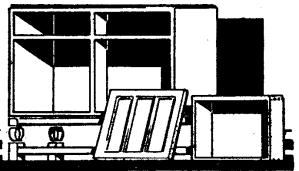
TOOLS & TECHNIQUES: SHARPENING

A Really Sharp Edge.....	2
Obtaining a Keen Edge	4
How I Sharpen my Tools.....	6
Hollow-ground Cutting Edges	8
Sharpening Your Tools:	
Can You Produce a Keen Edge?.....	10
When Your Plane Needs Sharpening.....	13
Sharpening the Chisel	15
Getting the Best out of Your Work:	
Your Tools.....	15
Sharpening Your Tools:	
Wood Carving.....	18
How to Sharpen Moulding Plane Cutters	20
Sharpening the Tools.....	21
Wood Carving:	
Sharpening the Tools.....	24
Sharpening Your Saws	28
Keep Your Saws Sharp.....	29
Setting Your Saws in Wartime.....	32
Sharpening your Saws.....	33
Sharpening a Lightning Cross-cut Saw.....	35
The Scraper:	
Sharpening	36
How to Sharpen the Scraper.....	38
Simple Home-made Saw Vice.....	39
How I Sharpen my Tools:	
The Scraper.....	39
<i>Sharpening the Scraper</i>	41

Sharpening Your Tools:	
The Scraper.....	40
Chisels and Gouges	42
Bits	43
Planes	44
Spokeshaves and Drawknives	45
Axe and Adze.....	46
Carving Tools.....	46
Turning Tools.....	46
Scratch-stock	47
Hand and Machine Tool Sharpening:	
Hand and Back Saws.....	48
Setting and Reconditioning	
Hand and Backsaws	51
Boring Bits.....	54
Cutting Gauge, Wood Spokeshave,	
Screw Box.....	56
Scraper Plane Blades	58
Axe and Drawknife	59
Moulding Plane Cutters	61
In the Workshop:	
Sharpening Equipment.....	62
Workshop Hints:	
The Essential Things to Know about Oilstones ...	65
Points to Know about Oilstones	66
Keep the Oilstone Flat	68
Cleaning an Oilstone.....	68
Your Oilstone Case	69
Hints on Tool Grinding.....	69
Grindstones and Oilstones.....	70

Chart titles are in italic.

WOODWORKER



TOOLS & TECHNIQUES: SETTING OUT TOOLS & CHISELS

What to Know About Tools:	
Tools for Marking Out	76
<i>Tools for Marking Out or Testing.</i>	79
Starting at the Bottom:	
Marking out	80
Woodwork for the Beginner:	
Materials and Marking Out.....	83
In the Workshop	
Marking Out, No. 1	86
Marking Out, No. 2	90
Workshop Practice:	
Marking Out	91
The Carpenter and Joiner:	
Marking Out	94
A Refresher Course:	
Cutting Lists and Marking Out	96
Preparing Your Own Cutting List:	
How to Read Sizes from a Scale Drawing.....	100
Workshop Practice:	
Templates and Repetition Work	102
For the Beginner:	
Rule and Square.....	105
Squares and Squaring	108
A Simple Centering Square.....	110
The Sliding Square.....	110
Home-made Tools:	
Mitre Marker	111
Three Useful Home-made Tools	112
For the Beginner:	
The Gauge	114

Workshop Hints:	
The Relative Value of Gauges.....	116
Gauges:	
The Various Kinds and	
What You Should Know About Them.....	117
The Butt Gauge	119
The Awkward Job Gauge	120
A Home-made Gauge	
Easily Made from Oddments.....	121
Trouble with the Gauge	122
How Your Tools are Made:	
The Chisel.....	123
A Long Line of Ancestry:	
The Chisel.....	124
Chisels	125
Everyday Tools:	
Chisels	127
How Your Tools Work:	
The Chisel.....	129
For the Beginner:	
The Chisel.....	131
Chisels	133
Converting Old Files to Chisels.....	136
Edge Tools:	
Chisels and Gouges	137
Home-made Tools:	
Eleven Handy Tools to Make	139
Testing a Straight-edge	142
On the Relative Uses of the Marking Awl	143

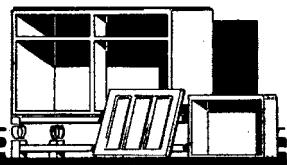
Chart titles are in italic.

WOODWORKER

TOOLS & TECHNIQUES: PLANES

The Story of the Plane.....	146
Carpenter's Tools of the 17th Century.....	151
For The Beginner:	
The Plane	152
Fundamental Tools for the Furniture Maker:	
Planes.....	155
Getting The Best Out of Your Tools:	
The Plane.....	157
What to Know About Tools:	
Planes And Their Use.....	161
How Your Tools Work:	
The Plane	163
The Cutting Action of the Plane.....	165
Planes and Their Cutters.....	168
Workshop Notes:	
Pitch and Shape of Plane Blades	170
Iron Planes and Their Work.....	171
Getting the Best Out of Your Tools:	
The Adjustable Iron Plane.....	172
How The Metal Plane is Made	175
Improving a Metal Plane	177
Points to Know About the Block Plane.....	177
<i>Wood Planes</i>	179
<i>The Adjustable Metal Plane</i>	180
Home Made Tools:	
The Roughing Plane	181
A French Trying Plane.....	183
Which to Use:	
Rebate or Shoulder Plane.....	184
Getting the Best Out of Your Tools:	
Shoulder and Bullnose Planes	185
The Edge Plane	188
Planes for Rebating and Grooving.....	189
What to Know About Tools:	
Rebate Planes.....	191
Getting The Best Out of Your Tools:	
The Side Rebate Plane.....	193
Home Made Tools:	
The Side Rebate Plane.....	195
Getting the Best Out of Your Tools:	
The Metal Rebate & Fillister Plane.....	197
Home Made Tools:	
Moulding and Rebate Planes	198
The Use of Plough Plane.....	202

Chart titles are in italic.



TOOLS & TECHNIQUES: PLANES

<i>A Long Line of Ancestors:</i>	
<i>The Pleyn</i>	204
Home Made Tools:	
Routers	205
Metal Routers and How They Are Used.....	208
An Invaluable Tool:	
The Quirk Router	210
First Adventures With the Scraper Plane	211
The Scraper Plane	213
The Compass Plane.....	214
Getting the Best Out of Your Tools:	
The Compass Plane.....	216
Getting the Best Out of Your Tools:	
The Stanley Universal Plane.....	218
Getting the Best Out of Your Tools:	
The Light Combination Plane	221
Reader's Addition to a	
Small Combination Plane.....	224
Getting the Best Out of Your Tools:	
Moulding Planes.....	225
<i>Using the Moulding Plane</i>	228
Interesting Old Planes	229
Getting the Best Out of Your Planes	231

Planes: Wood or Metal?	234
Workshop Notes:	
About the Planes & Chisels You Buy.....	236
Workshop Hints:	
The Secrets of the Back Iron	238
Workshop Practice—Edge Tools:	
Planes, Etc.	239
When Your Wood Plane	
Does Not Work Properly:	
The Plane Doctor.....	241
<i>Faults in Your Plane</i>	244
Repairing a Jack Plane Handle	245
Shodding Your Smoothing Plane.....	245
Do You Have Trouble	
With the Smoothing Plane?	246
<i>How to Do It:</i>	
<i>Remouthing A Plane</i>	247

Chart titles are in italic.

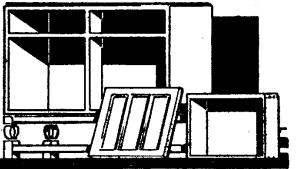
WOODWORKER

TOOLS & TECHNIQUES: SAWS

How Your Tools are Made:	
The Handsaw.....	252
Getting the Best Out of Your Tools:	
The Saw	254
Pit Saws and Pit-Sawing.....	258
The Shape of Saw Teeth.....	259
Testing a Saw with a Needle	259
<i>Saws</i>	260
An Interesting Old Bow-Saw.....	261
Fundamental Tools for the Furniture Maker:	
Saws.....	262
The Saw in History	264
<i>Points to Know about the Handsaw</i>	265
Old Saw-Pit Days.....	266
Tools—The Why and Wherefore:	
Saws.....	268
Protecting Your Saw Blades and Teeth	271
Veneer Saw.....	272
The Nib of a Handsaw.....	272
For the Beginner:	
Using the Handsaw	273
<i>Using the Handsaw</i>	276
Dealing with Sawing Trestles with Splayed or Bevelled Legs.....	277
In the Workshop:	
How to Control the Saw.....	279
When Cutting Shapes	282
Ripsawing Hint	284
Non-Backbreaking Way to Rip Wood.....	285

Chart titles are in italic.

WOODWORKER

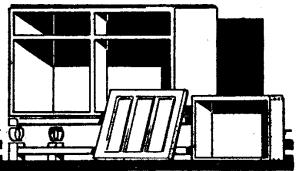


TOOLS & TECHNIQUES: BORING TOOLS

Tools for Boring.....	288
What to Know About Tools:	
Brace & Bits, Part 1	291
Brace & Bits, Part 2.....	295
When Your Bits Give Trouble.....	297
Points to Know About Depth Gauges	299
<i>Brace Bits</i>	300
How Your Tools are Made:	
Twist Bit	301
About Twist Bits	303
About Gimlets	305

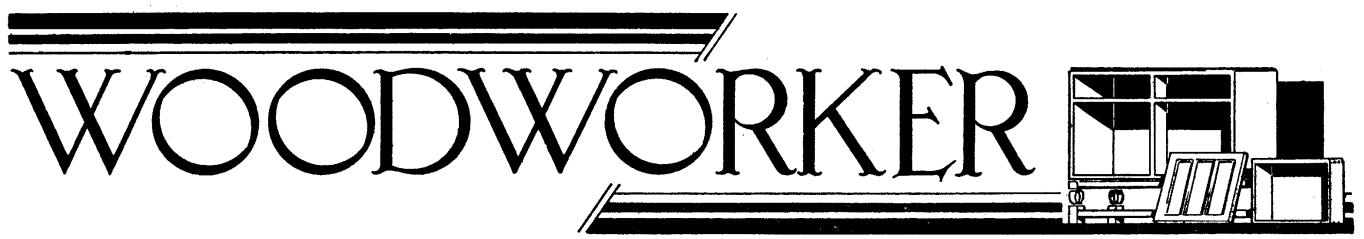
Chart titles are in italic.

WOODWORKER



TOOLS & TECHNIQUES: CARVING

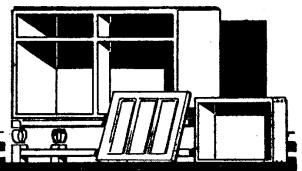
Practical Wood Carving:	
Bench, Tools, Etc.....	308
Making Your Own Wood Carving Tools.....	310
Practical Wood Carving:	
Handling the Tools.....	312
Practical Wood Carving:	
Lighting, Cramps, Lettering.....	315
Practical Wood Carving:	
Router, Scrapers, Stratch-Stock.....	318
Practical Wood Carving:	
Incised Lettering.....	320, 322
Wood Carving:	
Incised Lettering.....	324
Wood Carving:	
An Exercise in Handling Tools.....	326
Wood Carving:	
Simple Tool Cuts	330
Wood Carving:	
Acanthus Leafage.....	333
Wood Carving:	
Carved Mouldings.....	336, 339, 342
Wood Carving:	
Lettering.....	344, 347, 350
Wood Carving:	
The Linenfold Panel.....	351
How to Work the Linenfold Panel.....	354
Wood Carving:	
The Linenfold Panel.....	356
Wood Carving:	
Tray with Early Gothic Carving.....	358
Wood Carving:	
Renaissance Design for Bellows.....	361
Wood Carving:	
Wall Bracket	363
How to Carve the Claw and Ball Foot.....	366
Carving the Acanthus Leaf.....	369
Wood Carving:	
The Acanthus Leaf.....	370
Wood Carving:	
Chip Carving.....	373



TOOLS & TECHNIQUES: TURNING

Making the Twist Leg Without a Lathe.....	378
The Double-Bine Twist.....	380
Wood-Turner's Guide	383

WOODWORKER



TOOLS & TECHNIQUES: VENEERING & INLAY

? Veneering?	390
Veneering.....	393
Veneering:	
Groundwork and its Preparation	395
Veneering:	
The Groundwork	400
Veneering:	
Preparing the Groundwork.....	403
Veneering:	
Preparation of Veneers	405
Practical Veneering:	
The Hammer Method.....	406
Veneering:	
The Hammer	409
Veneering:	
Hammer Veneering	411
Veneering:	
Joints in Hammer Veneering	412
Veneering:	
Hammer Veneering, Jointing, Cross-Banding ...	414
<i>How to Do It:</i>	
<i>Jointing in Veneer</i>	416
Levelling Veneer Edges.....	417
Veneering Without Casting.....	417
Veneering: Built-Up Patterns	419
Patterns in Veneers.....	421
Veneer Matching	423
Veneering:	
Crossbanding.....	426
Practical Veneering:	
Cross-Veneering.....	428
Veneering Problems:	
Crossbanding.....	430
Practical Veneering:	
Cross-Banding.....	432
Inlay Banding	434
Veneering:	
Caul Veneering	437
<i>How to Do It:</i>	
<i>Laying a Cross-Banding</i>	438
Joints in Caul Veneering	440
Wood Inlaying.....	443
How to Fit Inlay Lines Around a Curve	445
How Long Would it Take You to Inlay This?....	447
Decorative Inlaid Edgings	448
Veneering Problems:	
Modern Shaped Work	449
Practical Veneering:	
Shaped Work	452
<i>Marquetry and Its Story</i>	456

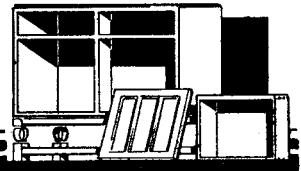
Chart titles are in italic.

WOODWORKER

TOOLS & TECHNIQUES: GENERAL TECHNIQUES

Woodwork for the Beginner	464
The Technique of Woodwork	470
The Way of the Grain	472
Equipping Your Workshop: Lay-Out of the Workshop.....	475
Starting at the Bottom: How to Plane Wood	477
For the Beginner: Using the Plane.....	479
When Planing Thin Wood	482
Handling the Jack Plane	482
The Perfect Surface	483
Heart Side and Face Side	486
Workshop Hints: A Few Practical Suggestions	487
When Your Tool Kit is Incomplete.....	489
If You Have Not All the Tools	491
Useful and Practical Notes	493
Workshop Hints	495
Things They Don't Tell You: Shooting Board Technique	497
Control: Make Both Your Hands Work.....	499
The Art of Jointing.....	501
Metal Working Tools for Woodwork.....	504
Make Your Tools Last Longer.....	506
Oil and Tools.....	508
Temper in Tools.....	509
Using the Right Tools.....	510
Your Tools: Tools for Grooving.....	514
Tricks of the Workshop: Things They Don't Tell You.....	516
Allowing for the Rebate.....	520
Workshop Practise: Useful Hints When Working a Rebate	522
The Awkward Jobs: Working a Stopped Rebate	525
How to Work a Curved Rebate	527
In the Workshop: Drawer Making	528
Four Centuries of Drawer Making	531
Alternative Ways of Making Things: Drawers	533
The Mark of a Well-Made Drawer.....	535
Drawer Making	539
Craft Problems: Should Drawers Project or Should They be Recessed Slightly?	544

Chart titles are in italic.



TOOLS & TECHNIQUES: GENERAL TECHNIQUES

Dealing With Drawers.....	545
Drawer Runners	547
Things you Should Know About Drawers	549
<i>Woodwork Information Chart: Drawers</i>	550
Put Your Furniture Into Condition:	
Repairing Drawers.....	551
Things That Go Wrong:	
Door Making.....	554
How to Tackle the Job:	
Fitting a Pair of Doors	556
Door Construction:	
Lledged and Braced Doors	558
Door Construction:	
Framed, Lledged, and Braced Doors	560
Door Construction:	
Greenhouse Door	562
Door Construction:	
Diminished-Stile Door	563
Fitting and Hanging Large Doors	565
Door Construction:	
Five-Panelled Door	566
Making a Barred Door	569
The Awkward Jobs:	
Working the Molding for a Barred Door.....	571
<i>Examples of Mouldings for a Barred Door, and Stages in the Working</i>	572
Making Barred Doors.....	573
The Construction of Barred Doors	577
<i>Woodwork Information Chart: Barred Doors</i>	578
Things They Don't Tell You:	
Shaped Mouldings for Barred Doors	579
Some Notes on the Fixing Of Glass in Doors or Frames	583
Beaded Panels	585
Making a Framed Bow-Front Door	587
The Bow-Front Framed Door	590
In the Workshop:	
Tambours	592
Cleaning up a Shaped Door.....	595
How you can Make Doors Dustproof:	
Suggestions for Cabinets, Sideboards and Bookcases	596
<i>Fitting a Hinge</i>	599
Fitting Doors	600
Workshop Hints:	
When Fitting a Door.....	602
<i>Faults in a Door</i>	603
A Refresher Course:	
Fitting Drawers & Doors.....	604
Make Sure Where the Drawer Binds	607
<i>Stages in Fitting a Pair of Cupboard Doors</i>	608

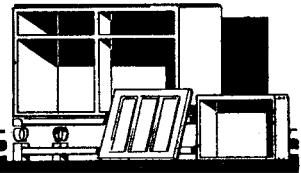
Chart titles are in italic.

WOODWORKER

TOOLS & TECHNIQUES: GENERAL TECHNIQUES

The Making of Pigeonholes	608
Secret Compartments:	
The Travelling Writing Desk	611
Fixing Tops and Plinths.....	613
Workshop Notes:	
Methods of Fixing Table Tops	616
Table Tops:	
Methods of Construction	617
Plinths	619
<i>Alternative Ways of Making Things</i>	620
Variations on a Theme:	
Stand Construction	621
The Chamfer in Carpentry	623
At the Bench:	
Chamfer Stops.....	626
Chamfering	629
Points to Know About:	
Simple Chamfering.....	632
Working a Wide Stopped Chamfer	633
<i>How to do it: Cutting a Stopped Chamfer</i>	635
Chisel Craft	636
Decorative Chisel Cuts	638
<i>How the Patterns are Marked Out and Cut.....</i>	640
Equipment for Mitreing, etc.	641
Stuck Mouldings and How to Work Them.....	644
Joints You Should Know About:	
How to Work Mouldings by Hand.....	646
How We Used to Do it:	
Working a Pitched and Backed Cornice Moulding.....	650
An Interesting Problem:	
Could You Tackle These Mouldings?.....	652
The Awkward Jobs:	
Working a Moulding Around a Curved Edge ...	654
Working a Moulding Around a Curved Corner	657
Gauging Contours	659
Gauging Set-In Shelves	660
Dealing With Shaped Edges	661
<i>How to do it: Cutting Shapes in Thick Wood</i>	662
A Tricky Piece of Work:	
Making a Fielded Panel With Shaped Corners ..	664
<i>Woodworker Instruction Chart No. 8</i>	666
A Question of Compound Shapes	667
Making Tapered Legs	669

Chart titles are in italic.



TOOLS & TECHNIQUES: GENERAL TECHNIQUES

Moulding a Tapered Leg.....	672
Tapered Octagonal Legs	674
<i>How to do it: Making Tapered Legs</i>	675
Tapered Reeds and How to Work Them.....	677
How to Set Out and Make the Cabriole Leg	679
Cabriole Legs.....	682
The Cabriole Leg	684
An Interesting Joint	687
For a Table with Skew Legs:	
Corner Joint.....	688
Things They Don't Tell You:	
Jointing Rails to Rounded Legs	690
The Art of Jointing.....	692
In the Workshop:	
Assembling Woodwork Dry	693
Workshop Practice:	
Assembling	695
Assembling Your Woodwork	699
Workshop Practice: Cleaning Up	704
Cleaning Up Joints	707
In the Workshop:	
Cleaning Up Woodwork.....	708
A Refresher Course:	
Cleaning Up	711
Jointed Boards—Why You Should Always Study the Grain	713
A Refresher Course:	
Fitting Joints and Gluing Up.....	714
The Technique of Glueing	717
German Cabinet Making: Interesting and Distinctive Characteristics	718
A Refresher Course:	
Gluing Up	719
Put Your Furniture Into Condition:	
Carcase Repairs	722
Your Tools:	
Cramping Up	724
When You Haven't the Cramps	727
The Weakest Link.....	730
The Glue Block	732
The Corner Block	734
Chairmaking:	
Timber and Marking Out	734
Chairmaking:	
Pitching, Re-Cutting and Jointing.....	737

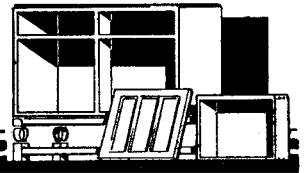
Chart titles are in italic.

WOODWORKER

TOOLS & TECHNIQUES: GENERAL TECHNIQUES

Chairmaking:	
Fitting and Assembling.....	739
The Woodworkers Notebook.....	741
Putting Ideas Down on Paper:	
Making a Working Drawing	743
When You Take a Template.....	746
"How I Do it"	749
Workshop Practice:	
Design for the Craftsman	750
A Refresher Course:	
Preliminary Planning Out	753
Drawing and Quick Perspective	
Sketching for Woodworkers.....	757
Drawing and Quick Perspective	
Sketching for Woodworkers, Part 2	760
Drawing and Quick Perspective	
Sketching for Woodworkers, Part 3:	
Doors, Chairs, Shaped Work, etc.	764
Adapting a Drawing-Board for	
Perspective Drawing	766
Putting Ideas Down on Paper:	
Furniture and Detail Sizes	769
Setting Out a Full Size Drawing.....	771
Technical Drawing	
(The Qualified Woodworker).....	772
<i>Technical Drawing—Setting Out a Bookcase.....</i>	773
Accommodation and Proportion	775
Craft Problems:	
The Method of Spacing.....	776
Craft Problems:	
Are Our Woodwork Joints Well Designed?	777
Nails and Their Uses:	
French Nails, Cut Nails, Oval Brads, Pins.....	779
Things You Should Know About:	
Nails & Nailing.....	780
Nails: Which Kind to Use For the Job	783
<i>Details of Nails in General Use in Woodwork</i>	785
Pulling Out Nails	786
An Ancient Craft:	
Nail Making.....	788
The Shangie	791
Fitting a Handle to a Socket Chisel	791
Renovating Old Files	792
Square Turnings, Working Them by Hand	793
Wood Bending by Kerfing.....	795
Forest Products Research Laboratory:	
New Method of Bending Wood While Cold....	797
Draw-Boring.....	799
Making and Fitting a Window Sash.....	800
When a Plane Cutter Loses its Edge Rapidly....	801
Two Hammer Hints	802

Chart titles are in italic.



TOOLS & TECHNIQUES: GENERAL TECHNIQUES

Useful Workshop Notes:	
Things That Go Wrong,	
Door Hingeing Troubles.....	803
Things They Don't Tell You:	
Fixing Parliament Hinges	805
How Your Tools Work:	
The Axe.....	808
Finishing Your Woodwork:	
Burnished Oak	809
The Use of Leaded Lights	810

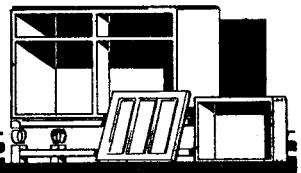
Chart titles are in italic.

WOODWORKER

TOOLS & TECHNIQUES: MISCELLANEOUS TOOLS & TECHNIQUES

Tools of Over 2,000 Years Ago	816
<i>Tools Ancient and Modern</i>	818
The Tools You Use:	
On the Economic Purchase of Kit	
Apart From Saws, Chisels & Planes.....	819
What to Know About Tools:	
Choosing the Tool Kit	820
The First Kit of Tools:	
What the Beginner Needs to Start Woodwork ..	825
Equipping Your Workshop:	
The Beginner's Kit of Tools.....	828
Collecting a Kit of Tools.....	832
Odd Tools in a Kit.....	833
Everyday Tools:	
The Hammer	833
Tools—The Why and Wherefore:	
Hammers and Mallets	836
German Type Mallet	838
Dozens of Hammers.....	839
<i>Hammers, Mallets, Etc.</i>	841
Hammers and Hammering	842
All Sorts of Knives	843
The Adze and the Axe.....	846
The Axe.....	847
Tools of Percussion with Cutting Edges:	
Different Types of Axes.....	848
A Useful Tool to the Man Who Does Large Work:	
The Draw Knife.....	849
Getting the Best Out of It:	
The Scraper.....	851
The Scraper—How It Is Used.....	854
About Spokeshaves	855
<i>Spokeshaves</i>	856
A Joy to Use:	
The Chairmaker's Scraper Spokeshave	857
Chamfering Spokeshave	859
The Scratch Stock	860
An Invaluable Yet Simple Tool You Can Make Yourself:	
The Scratch Stock	862
Craftsmanship of Yesterday	865
Easily Adjusted Scratch	866
Invaluable for the Stopped Groove:	
The Scratch Plough	866
Points to Know About the Screwdriver.....	868
Fundamental Tools for the Furniture Maker:	
Chisels and Screwdrivers, Etc.	869
Is it Worth While?:	
The Spiral Ratchet Screwdriver.....	871
Tools, Tangs and Handles	873
Rasps and Files	874

Chart titles are in italic.



TOOLS & TECHNIQUES: **MISCELLANEOUS TOOLS & TECHNIQUES**

The Abrasive Tools.....	875
Points About Files.....	876
Troubles That Occur:	
The Screw Box	876
Screw Box and Tap for Wood Screws	878
Do You Understand Their Use?:	
Handscrews	880
<i>Cramps</i>	882
Some of the Less Common Tools	883
Interesting Collection of Old Tools	885
New Tools From Old.....	887

Chart titles are in italic.