

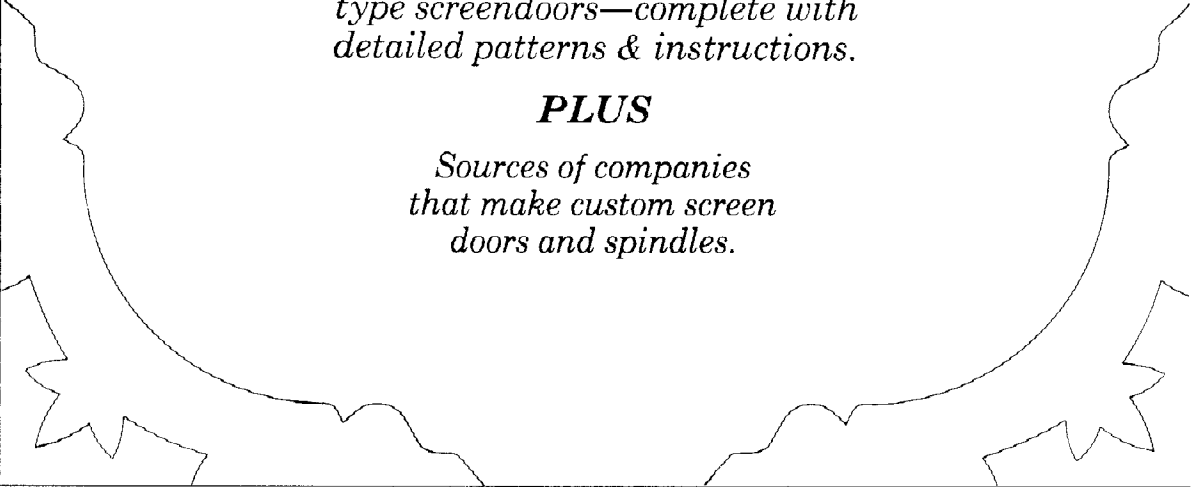


# Ornate Victorian Screendoor Pattern & Plan Book

*A comprehensive guide for  
constructing authentic-looking  
Victorian scrollwork or ball & spindle  
type screendoors—complete with  
detailed patterns & instructions.*

## **PLUS**

*Sources of companies  
that make custom screen  
doors and spindles.*



BY DAN MILLER

## INTRODUCTION

---

We own a modest Victorian home that had much of its original fancywork taken off at one time or another in the name of modernization. We had seen Victorian screen doors in old pictures and plan books and thought one would add a great deal to our house. We wanted the design and proportions to be as close to authentic as possible so we started looking for an original one to use as a pattern. Well, we found that task easier said than done. During the next year or so we happened onto two of them. One in an antique store too badly rotted to use but good enough to take the proportions from and another still in use. I bought the one in the antique store and thanks to the kindness of the owners of the second, was able to measure and trace brackets from theirs.

I feel that the original screen doors were taken down for one of two reasons. Either they fell apart or people wanted a combination storm and screen door instead of just a screen. With today's high cost of energy, the second down fall of old screen doors was a consideration for ourselves. After a lot of brainstorming, my wife and I came upon the idea of having inserts like more modern doors—one a screen and one a storm. In visiting a local glass dealership, I found they could make just what we needed out of aluminum. The aluminum frame available through our dealer is 5/8" x 5/16" so I simply routed out the inside edge of the door so the frame fits flush on the inside and isn't visible from the outside.

One problem that we ran into was that storm door windows for safety have to be either shatterproof glass or plexiglass. The shatterproof glass has to be specially ordered to size and is very expensive. The plexiglass is expensive but not nearly as bad as shatterproof so that's what we went with. You'll need to check out your local suppliers.

The storm window is completely optional so if your existing door has adequate weatherproofing you could forget about the storm window insert. You would save yourself some money and actually have a more authentic door.

Use the following actual size patterns in any combination you wish to create your own door. They are exact copies of actual spindles and brackets found in Northern Illinois. Where wooden spindles are required you can look for a craftsman in your area to custom turn them or check out every lumber yard near you for machine made spindles you can adapt for your use. There are a lot of them out there if you're patient. Other sources are antique stores and flea markets. Our front door has old, authentic spindles and our back door has new reproductions from the Michael-Regan company (their flier is attached).

Another option is taking a thin piece of flat wood, tracing the pattern on it and cutting it out with a sabre saw. You wouldn't be able to tell that it wasn't spindles unless up close to the door.

I made two screen doors for our house with a table saw, router, and sabre saw. I made actual mortise and tenon joints but doweling using a doweling jig would be simpler although not nearly as strong. If buying a custom door check to see if they use mortise and tenon joints.

The original doors were made of wood that 1 1/4" thick called 5/4 (five quarters) stock. The wood has to be clear white pine or a knot free hardwood as knots would obviously weaken the door.

The mortises were cut using several successive passes with a router and homemade jig. The jig is a must to keep the router in the center of the board and to stop it from cutting too far forward or back. Tenons can be cut by hand or by standing the pieces of wood on end and using a table saw and tall push block to keep the board vertical. I rounded the edges of the tenon to fit in the rounded ends of the mortise. Squaring up the ends of the mortise would be more authentic but also more difficult.

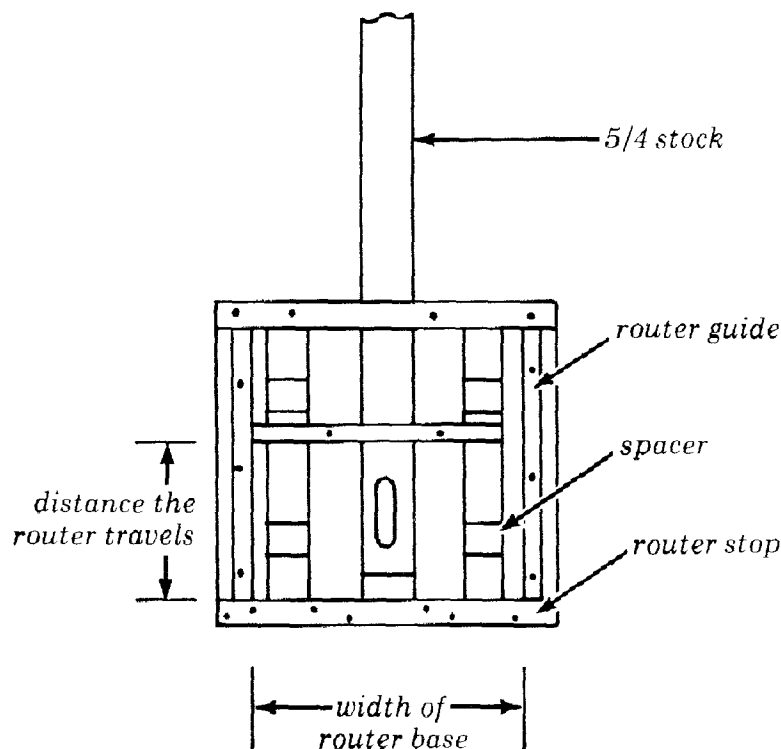
If we can be of further help feel free to write or call us at:

Dan and Pat Miller  
417 Algona  
Elgin, Illinois 60120  
312-697-3370

Your new door will bring enjoyment to you and beauty to your home.

*Dan Miller*

*MORTISING JIG*



## Victorian Gingerbread

REPRODUCTIONS  
IN SOLID WOOD.

Victorian Fretwork and Gingerbread. Add nostalgia and charm to your home. The difficulty in finding matching pieces or appropriate sizes has been eliminated. Available in hand-crafted solid wood reproductions. Cut-work brackets, ball and dowel fans, running trims, massive corbels, custom length fretwork panels and more are illustrated in

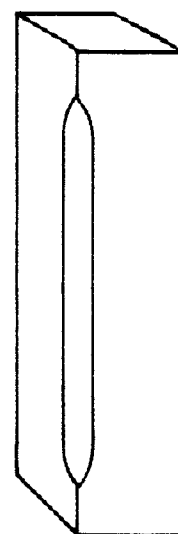
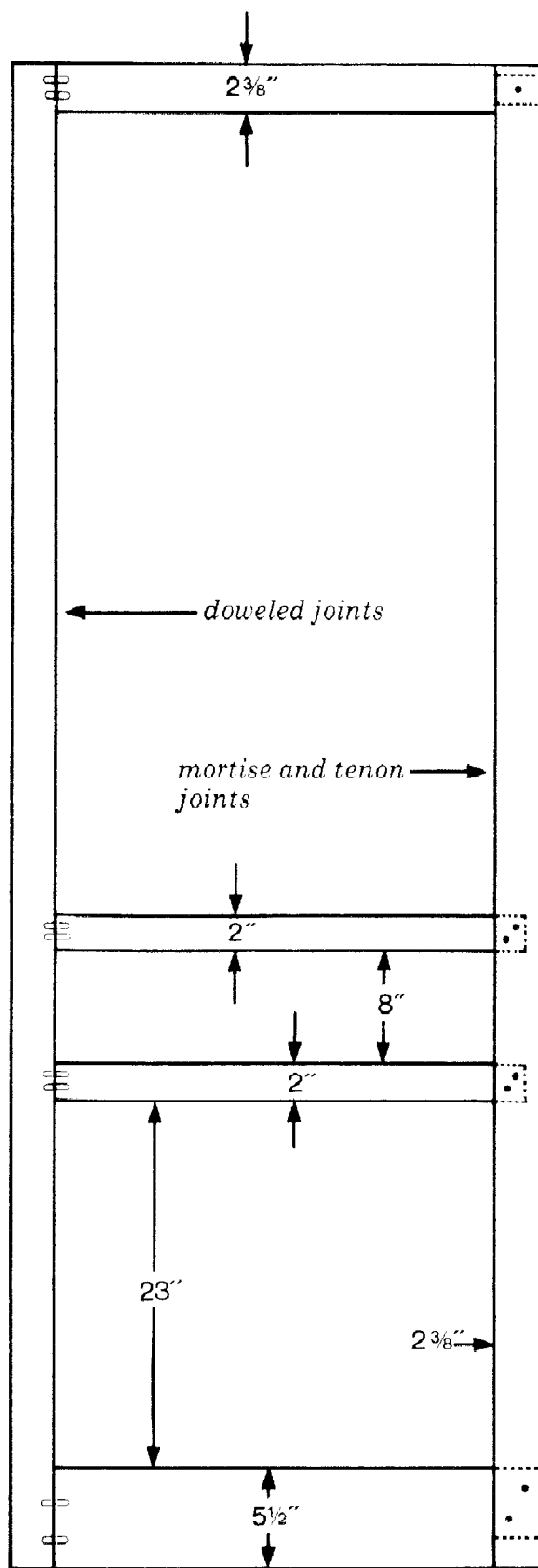
MAIL ORDER BROCHURE.

Send \$1.00 to



18 Main Street  
Quinlan, Texas 75474

These are the proportions of an actual Victorian screen door. The length and width will be determined by your opening. Any variety of corner brackets and spindles can be used.



stop chamfered

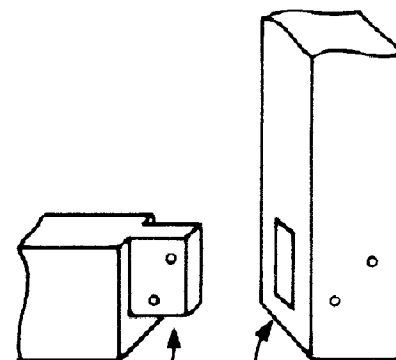
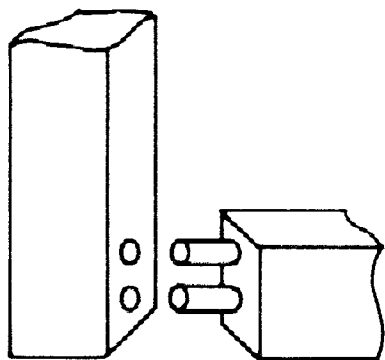
Many doors had the inside edge stop chamfered which can be done today with a router.

Be sure to use waterproof glue and prime all edges of the finished door with a good oil base primer

Doweling is made easy with a doweling jig and/or doweling centers. Check a good woodworking book for more information.

Mortise and tenon joints are recommended.

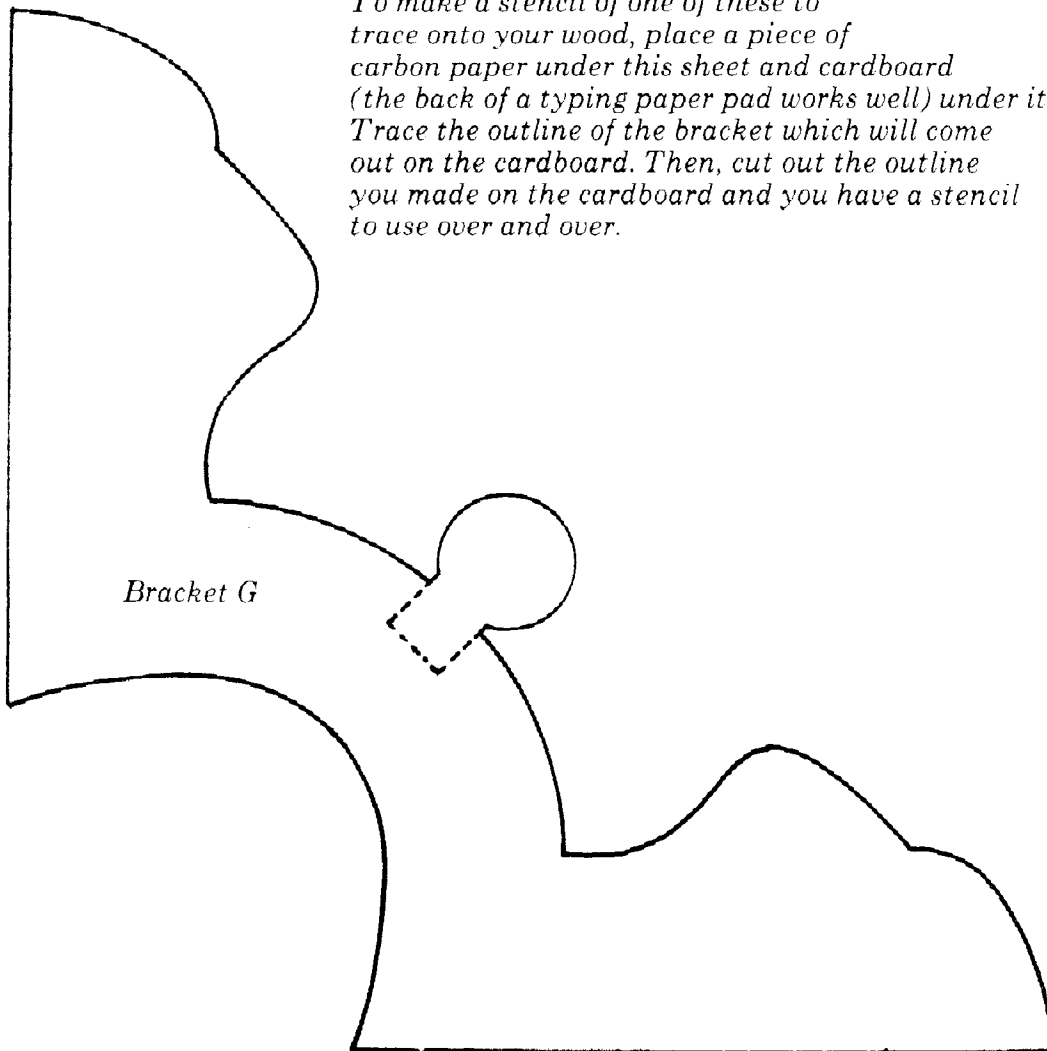
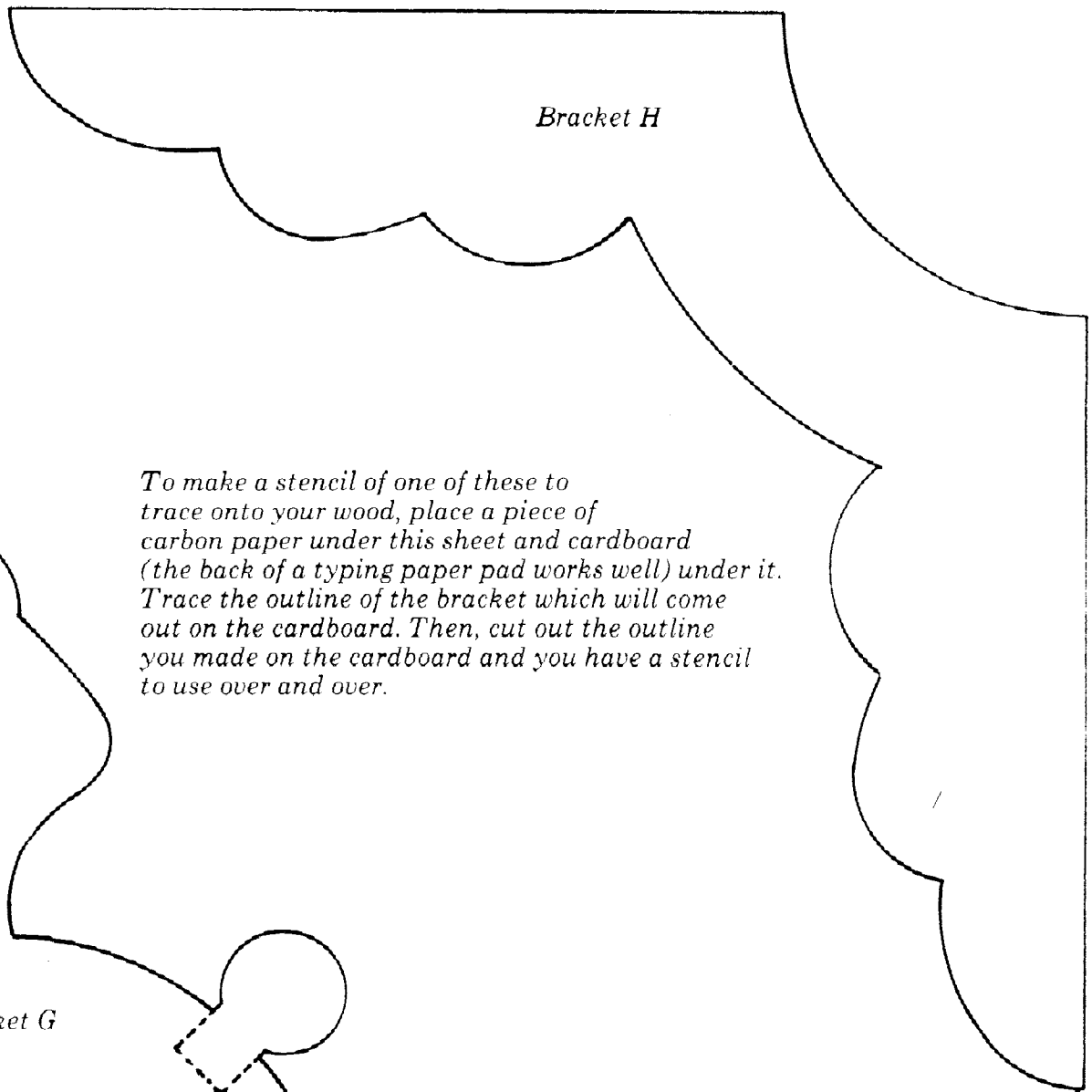
The original doors used mortise and tenon joints.

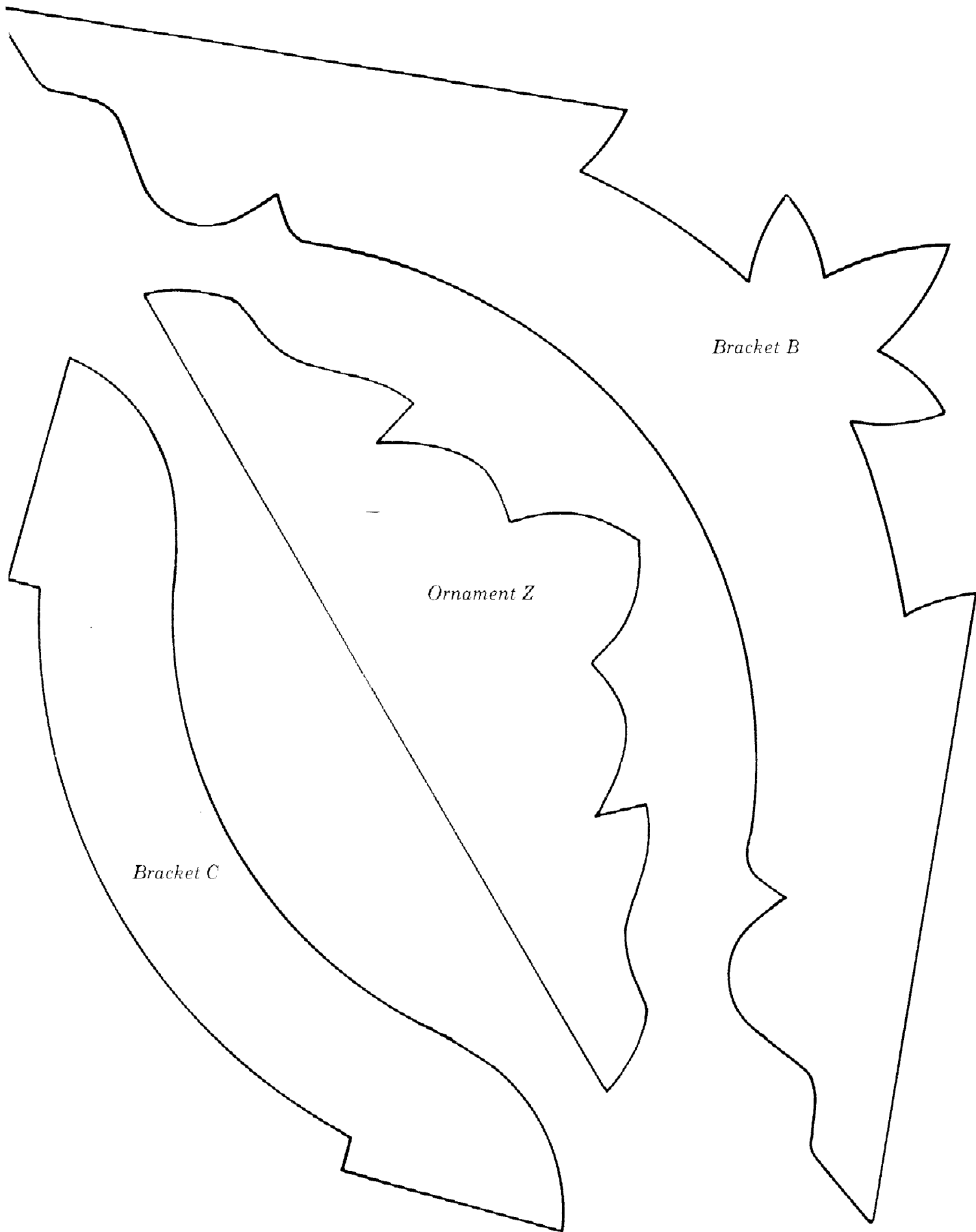


tenon

mortise

ACTUAL BRACKETS FOUND IN NORTHERN ILLINOIS  
FULL SIZE

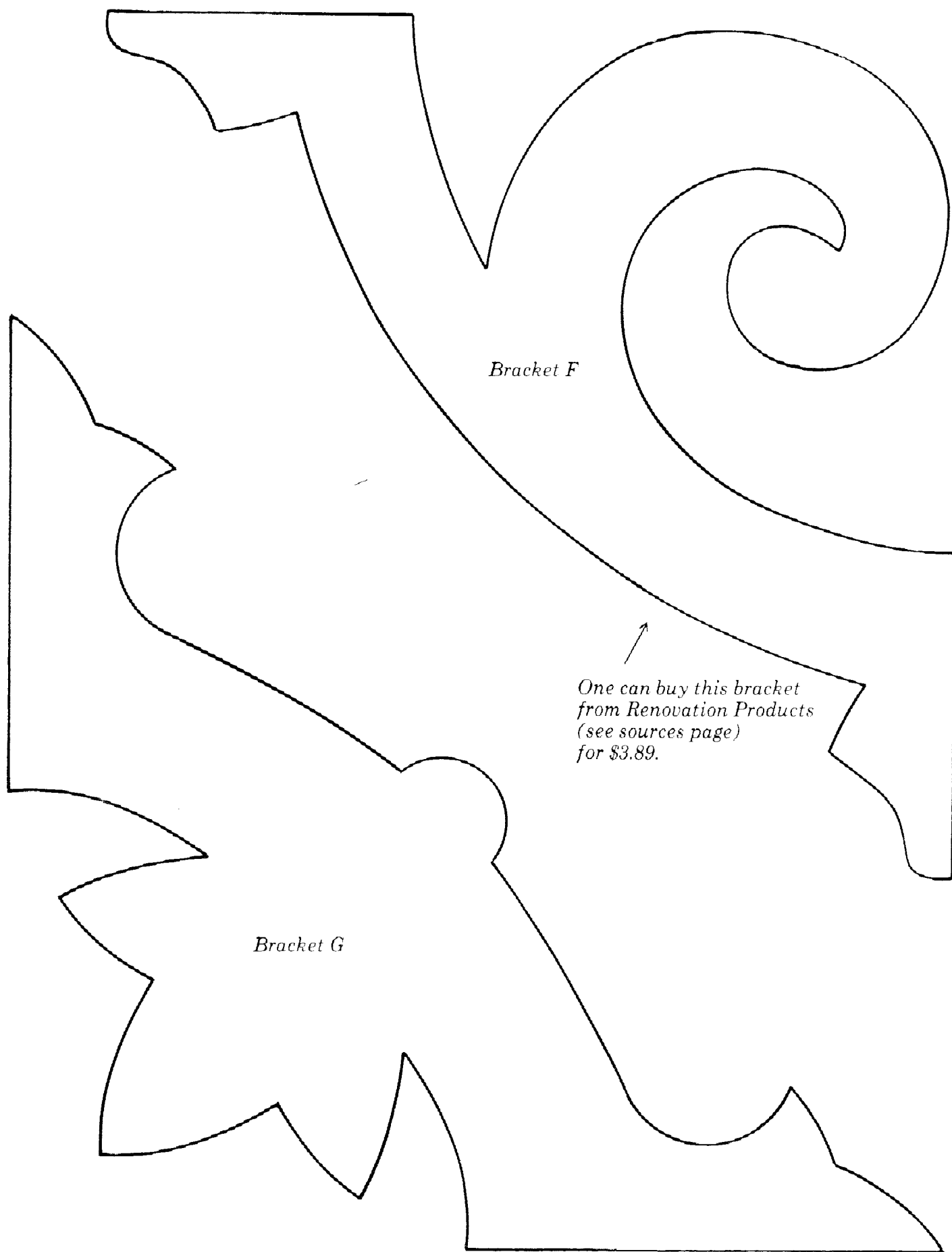




*Bracket B*

*Ornament Z*

*Bracket C*

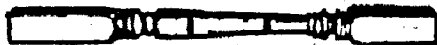


*Bracket F*

*One can buy this bracket  
from Renovation Products  
(see sources page)  
for \$3.89.*

*Bracket G*

# Porch Trimmings, Etc.



No. 14410. Selected poplar Porch Columns, smooth turned (columns smaller than 4 inches are not bored). Bored center, avoids checking. Steam dried, prevents warping.

Size, in.	Length, ft.	Each.	Size, in.	Length, ft.	Each.
4x4	8	\$0.89	5x5	10	\$1.19
4x4	9	.75	5x5	8	1.44
4x4	10	.82	5x5	9	1.50
5x5	8	.91	5x5	10	1.60
5x5	9	1.05			



No. 14411. Brackets 1 1/2 inch thick, 10x12 inch.

Each.....9c  
Brackets 1 1/2 inch thick, 12x14 inch.

Each.....11c

No. 14412. Brackets 1 1/2 inch thick, 10x12 inch.

Each.....10c

Brackets 1 1/2 inch thick, 12x14 inch; each.....13c



No. 14413. Baluster, made of pine, 5 inch thick, 6 inch wide, 12 to 20 inches long.

Each.....7c

No. 14414. Beaded Porch Rail.

2x3 inch.

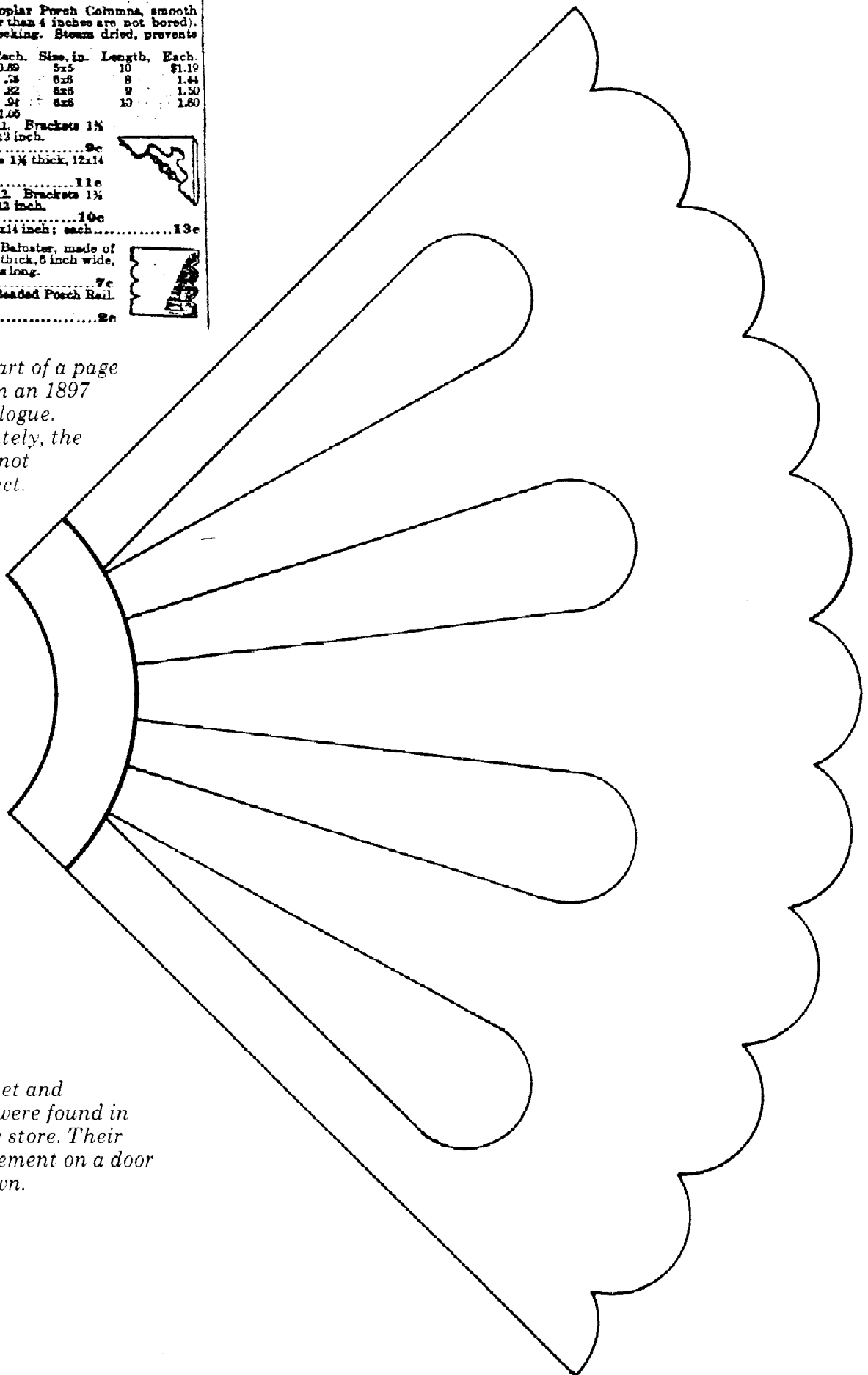
Per foot.....2c



Above is part of a page  
copies from an 1897  
Sears catalogue.  
Unfortunately, the  
prices are not  
still in effect.

Bracket A

This bracket and  
spindle E were found in  
an antique store. Their  
exact placement on a door  
is not known.





*Bracket D is courtesy of:*

**Larry Jones**

**Preservation Consultant**

**Utah State Historical Society**

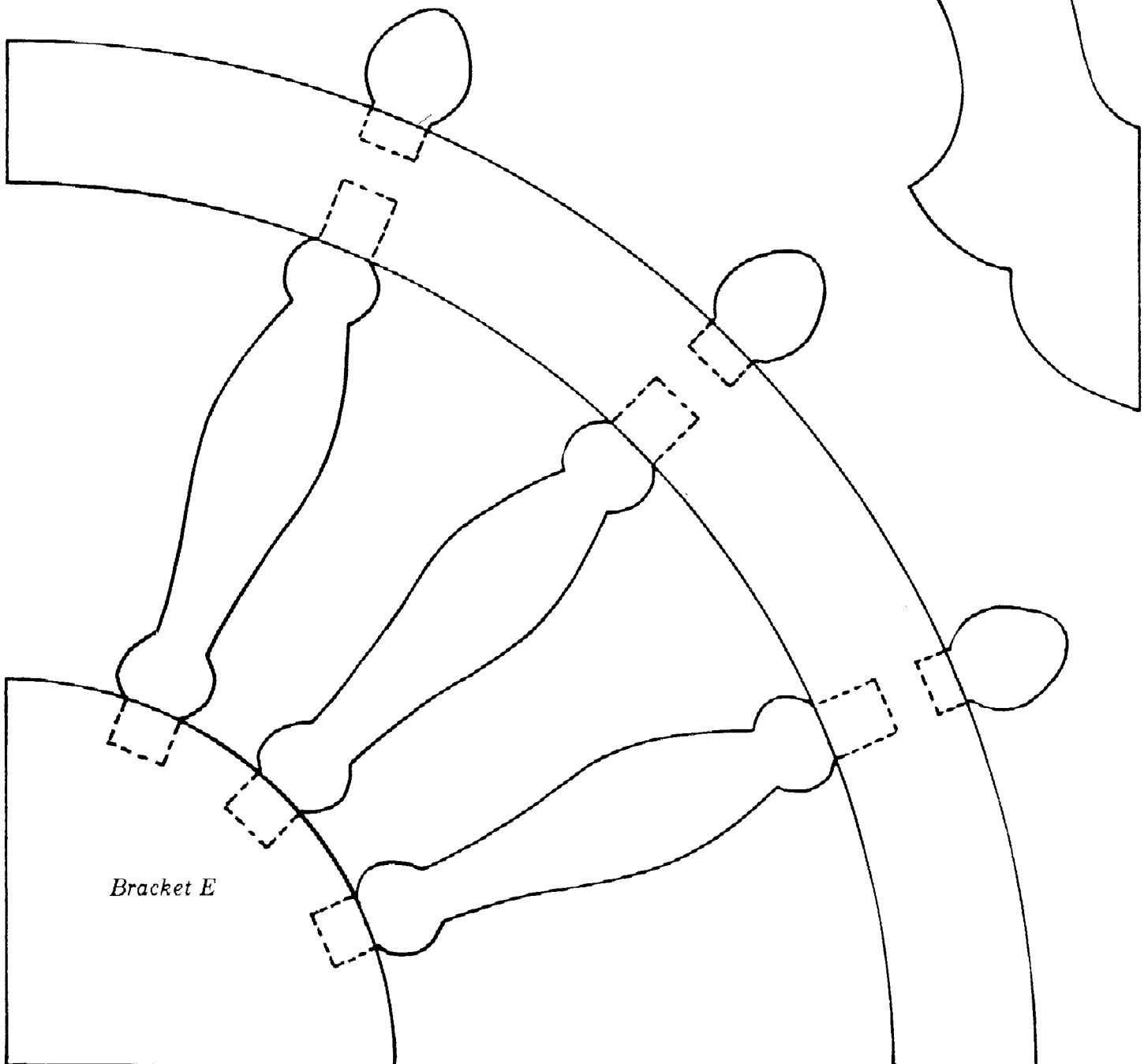
**300 Rio Grande Ave.**

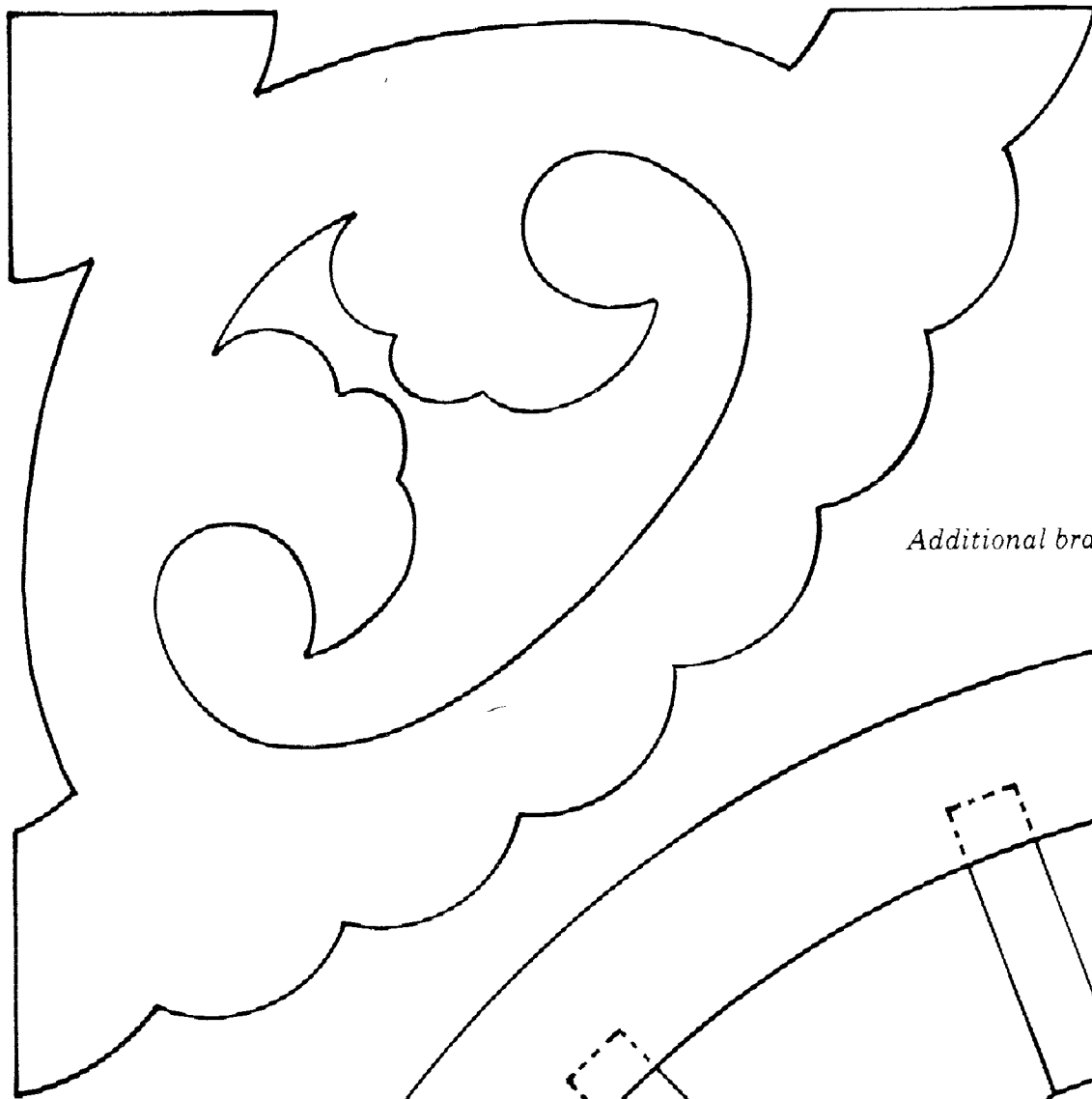
**Salt Lake City, UY 84101**

*Bracket D*

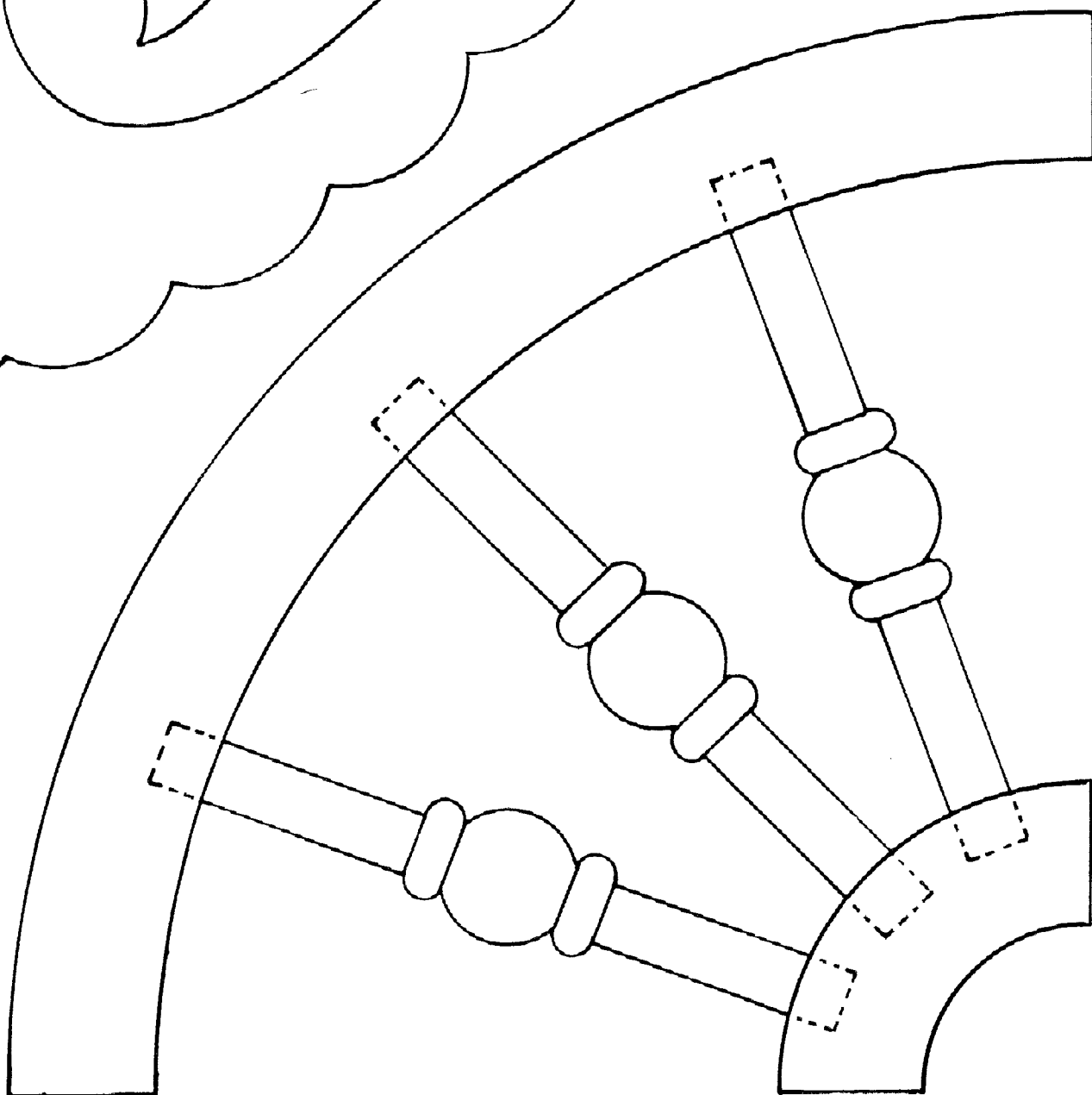
*They sell a set of plans for one door as a money making project for their organization.*

*Larry shows how to make wooden inserts for storms and screens.*

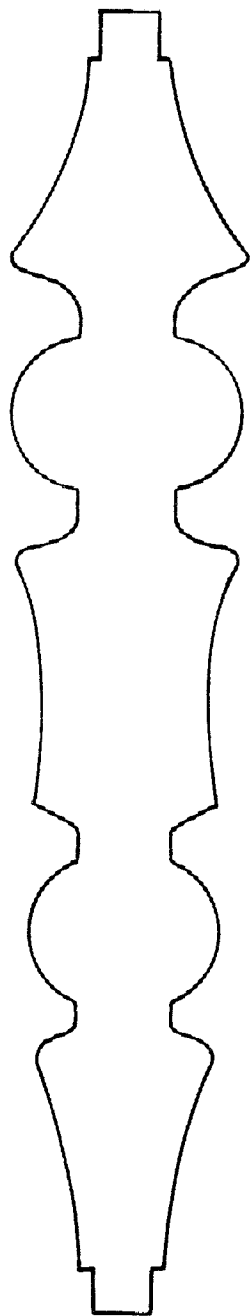




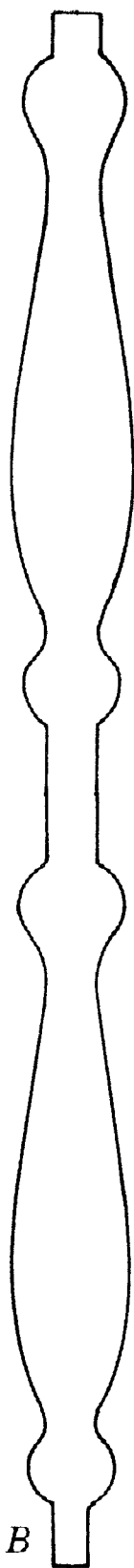
*Additional bracket templates.*



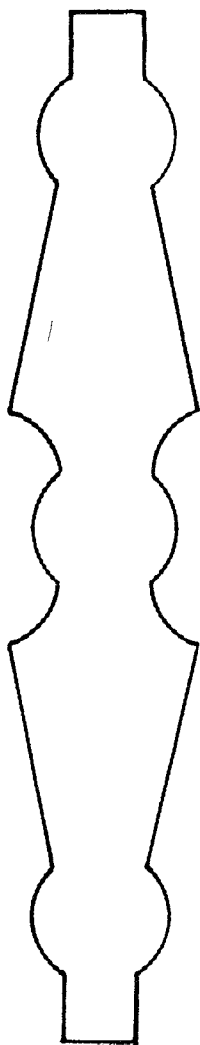
ACTUAL SPINDLES FOUND IN NORTHERN ILLINOIS  
FULL SIZE



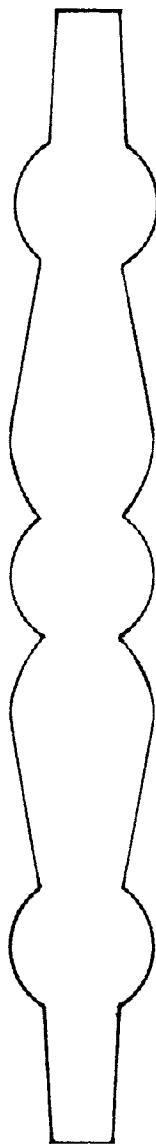
*A*



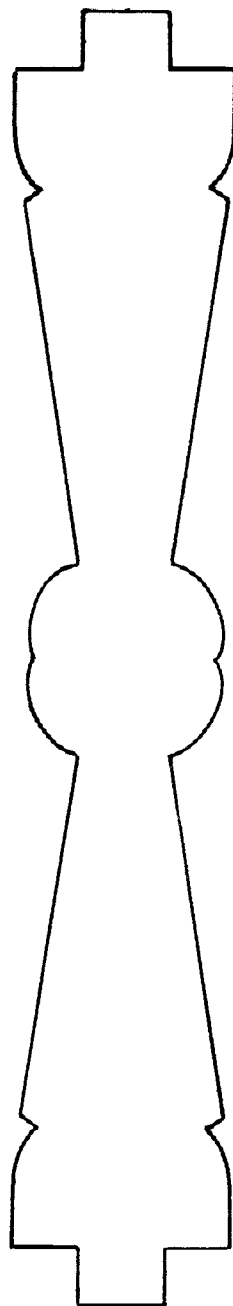
*B*



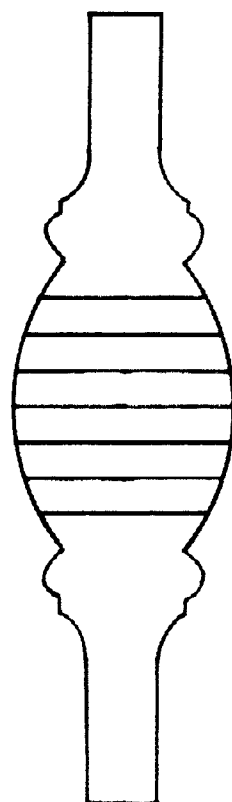
*C*



*G*



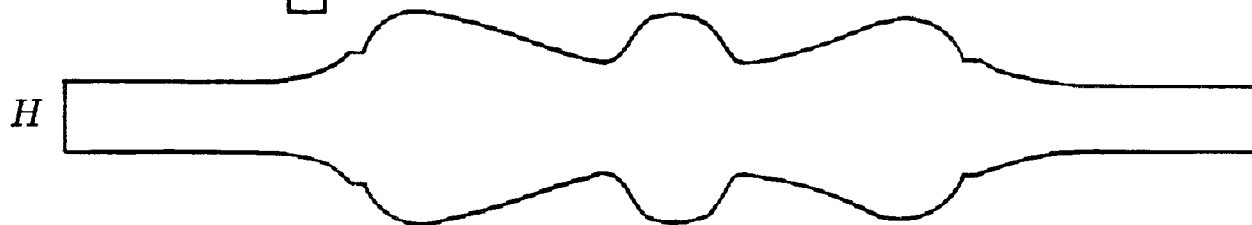
*E*



*F*



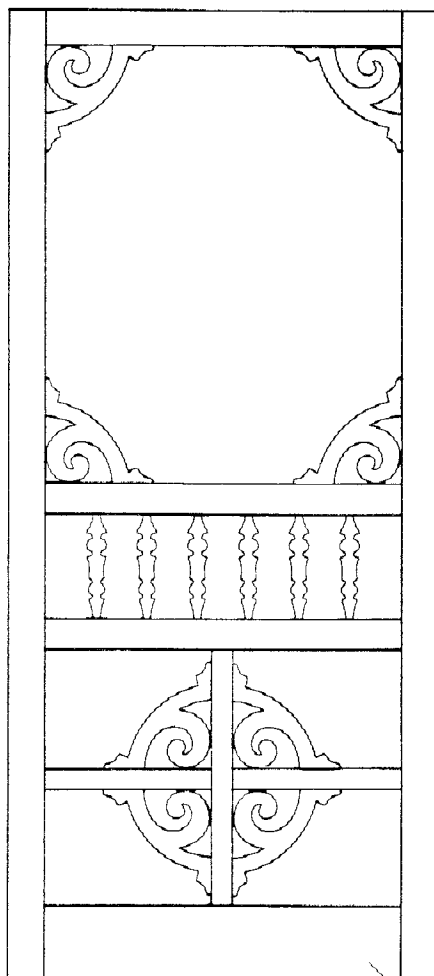
*D*



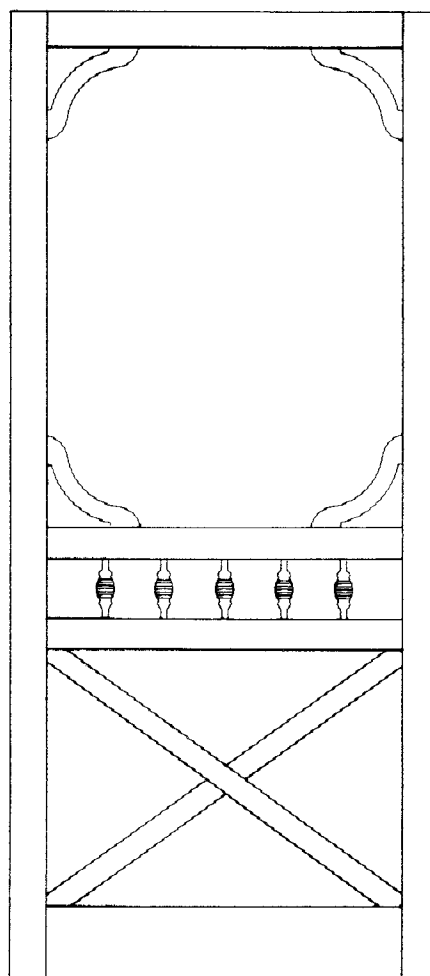
*H*

*These sketches will give you an idea of the overall look of a given combination of brackets and spindles.*

*Bracket F  
Spindle A*

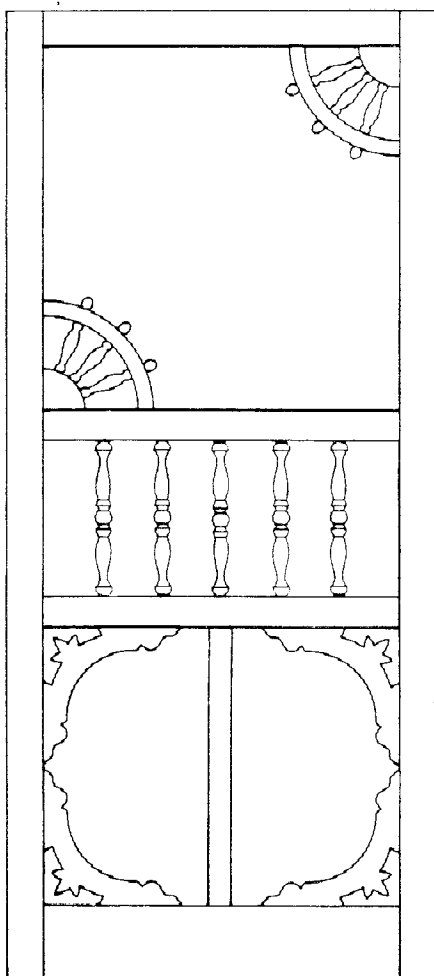


*Bracket C  
Spindle F*

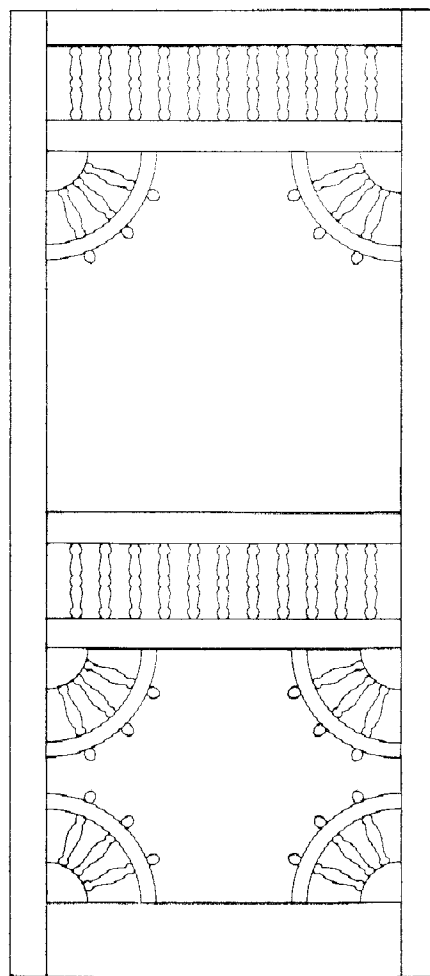


*This door uses authentic brackets and new spindles in a combination created by Patricia Miller.*

*Bracket E  
Spindle #204  
(Michael-Regan)*



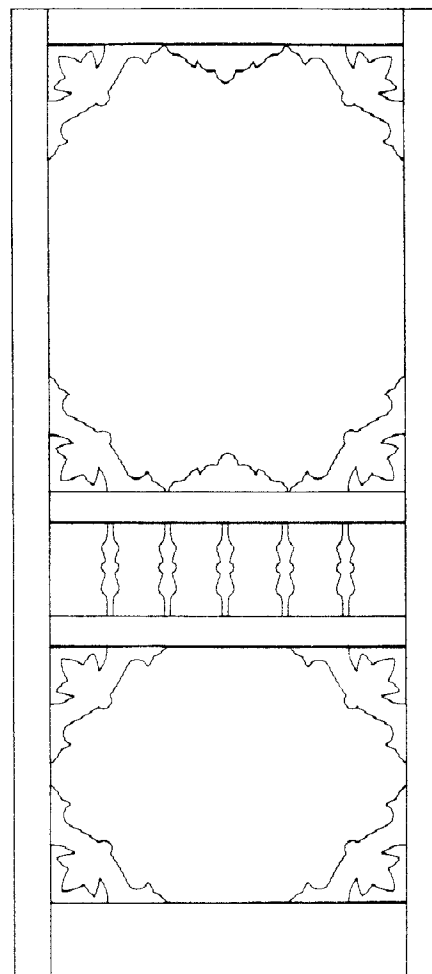
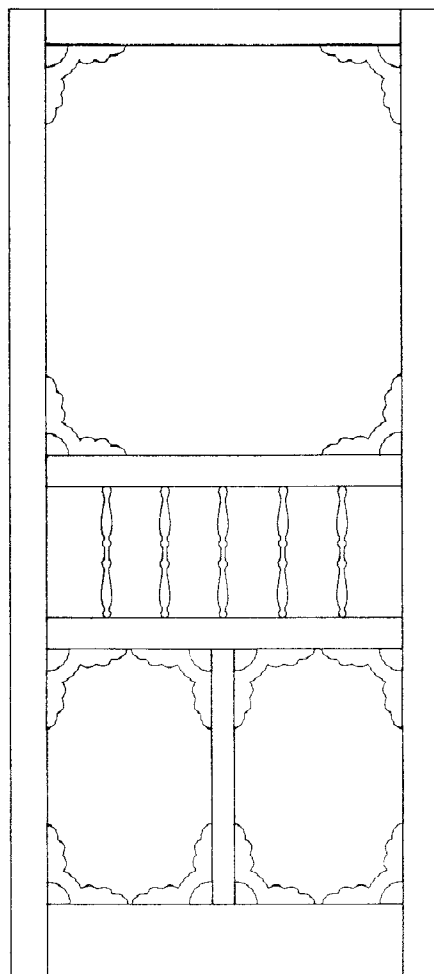
*Bracket B*



*Bracket E  
Spindle G*

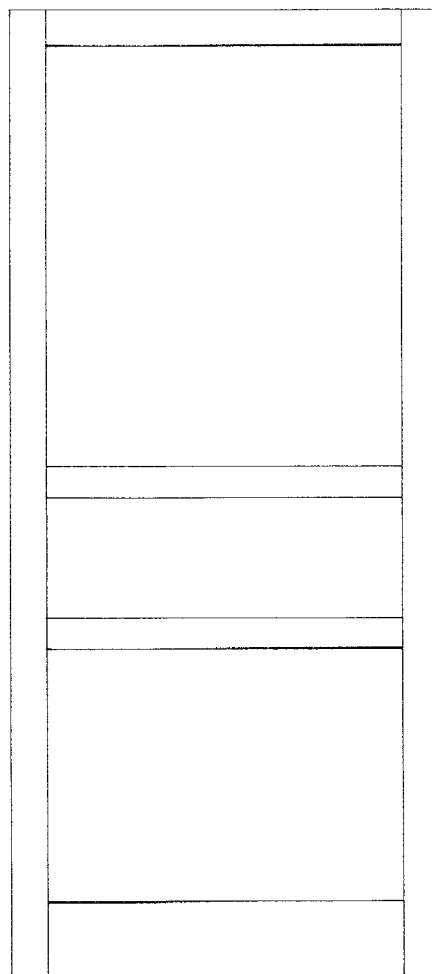
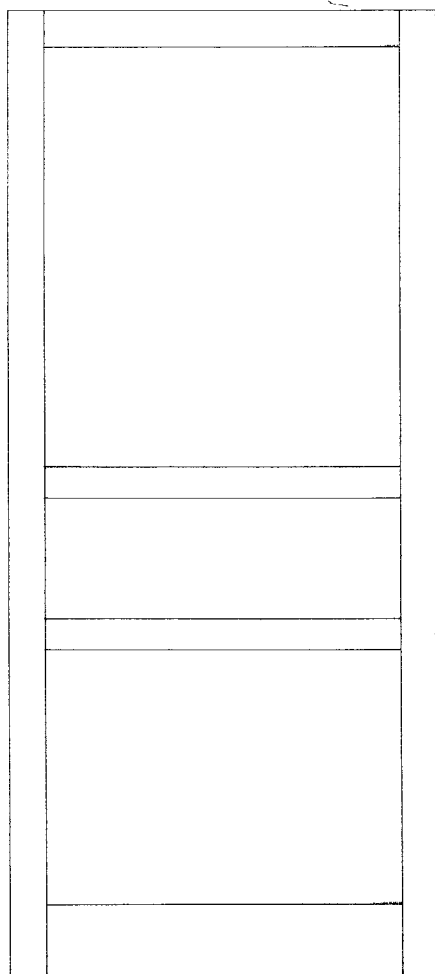
*This door uses  
authentic brackets  
and spindles but  
in a combination  
created by  
Patricia Miller.*

*Bracket H  
Spindle B*



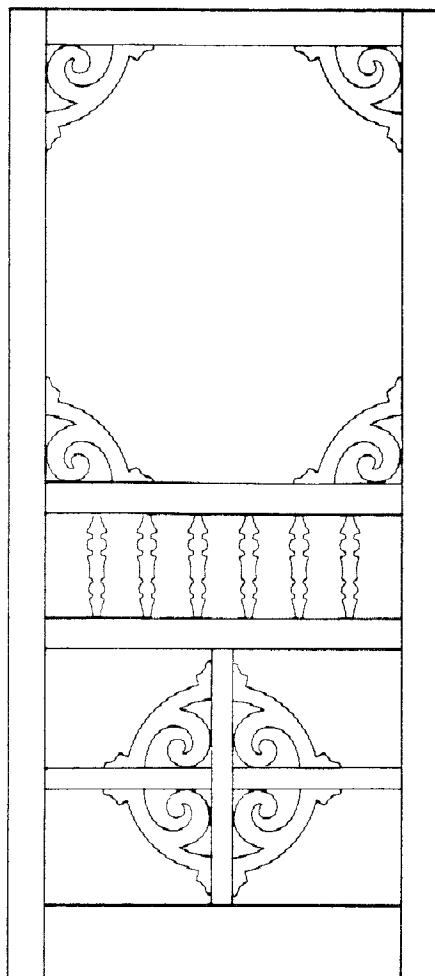
*Bracket G  
Spindle H  
Ornament Z*

*Use these blank  
doors to sketch your  
own combination of  
spindles and  
brackets.*

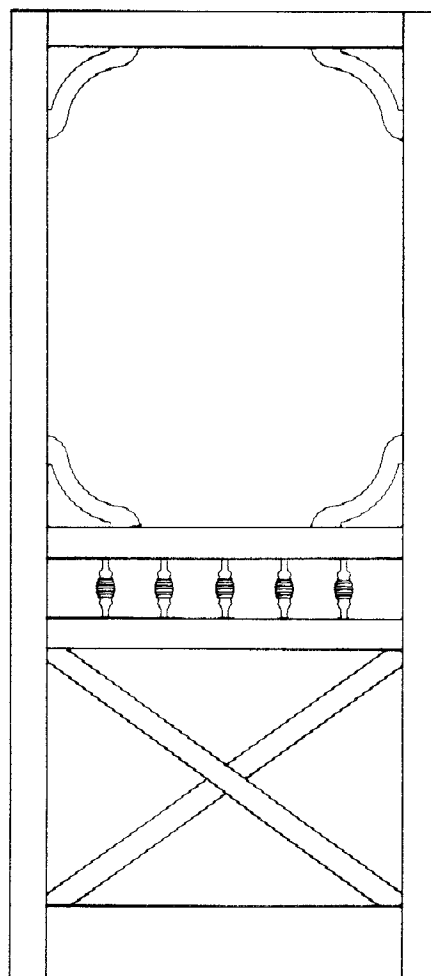


*These sketches will give you an idea of the overall look of a given combination of brackets and spindles.*

*Bracket F  
Spindle A*

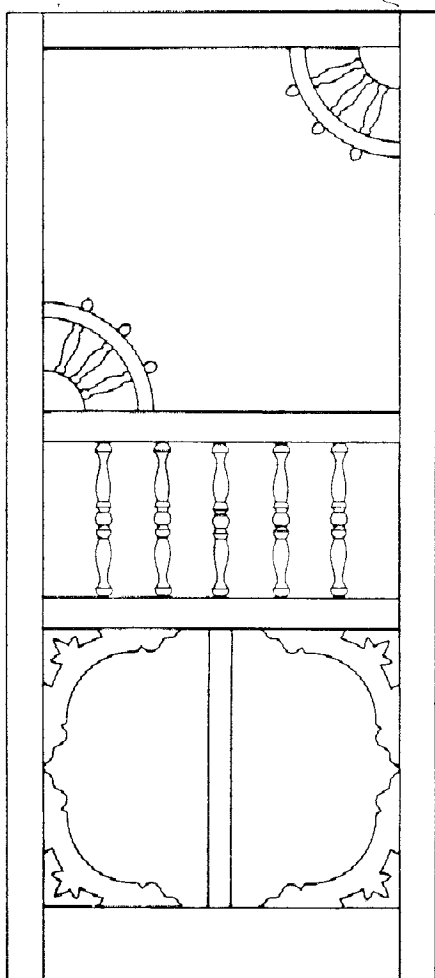


*Bracket C  
Spindle F*

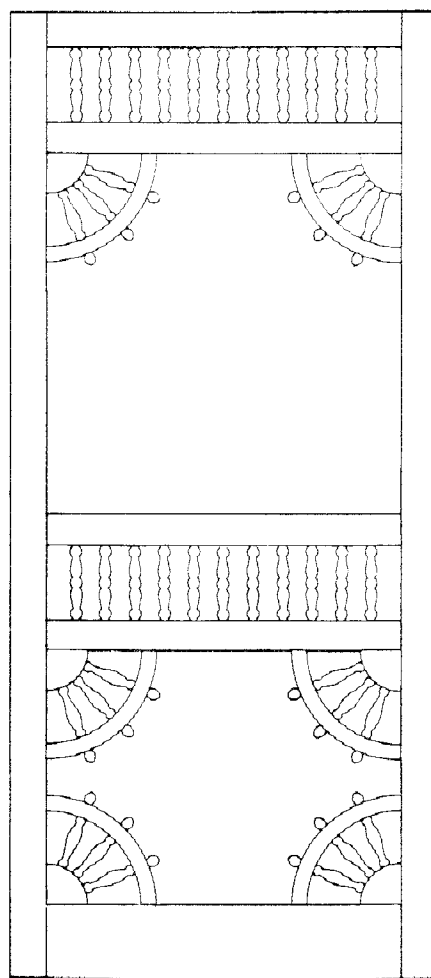


*This door uses authentic brackets and new spindles in a combination created by Patricia Miller.*

*Bracket E  
Spindle #204  
(Michael-Regan)*



*Bracket B*

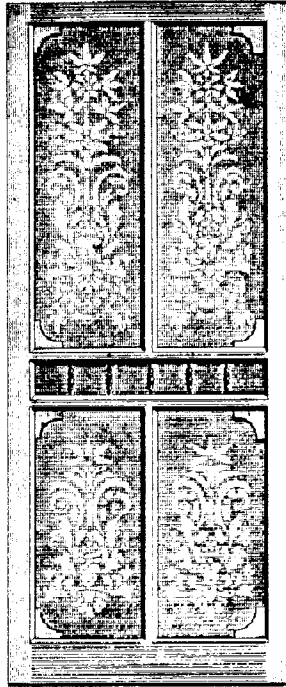


*Bracket E  
Spindle G*

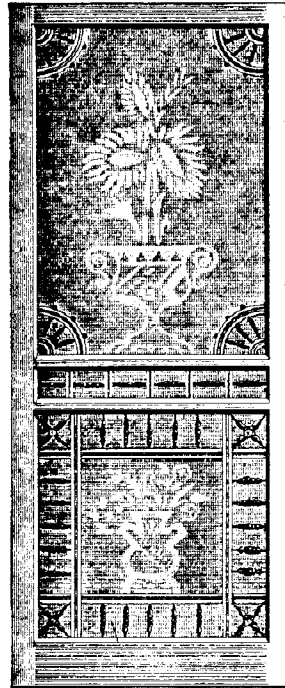
This page is reprinted from **Late Victorian Architectural Details** which is an abridged copy of a pattern book first published in 1871. It is published today by:

American Life Foundation and Study Institute  
Library of Victorian Culture  
Watkins Glen, New York 14891

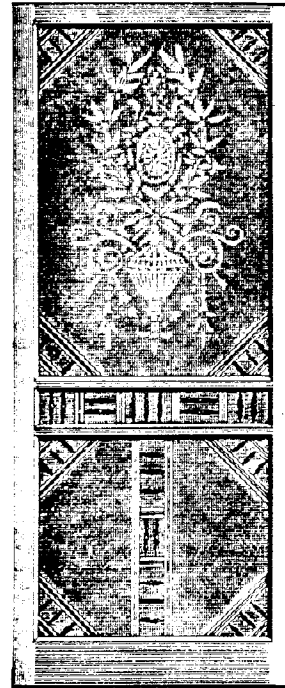
**WIRE SCREEN DOORS.**



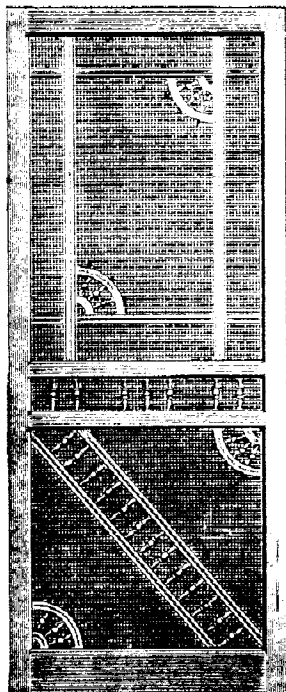
140



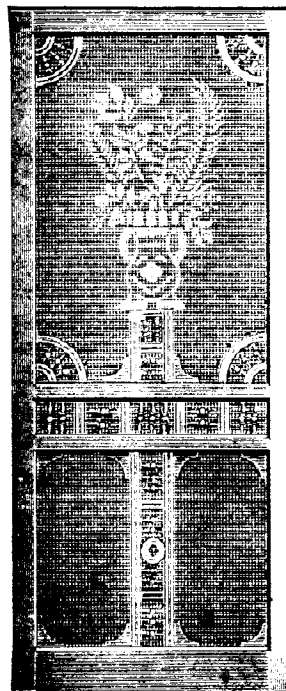
141



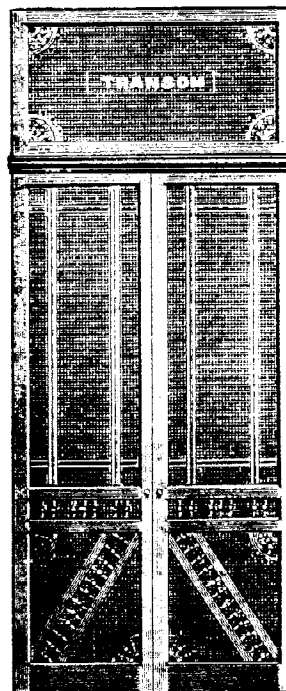
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143



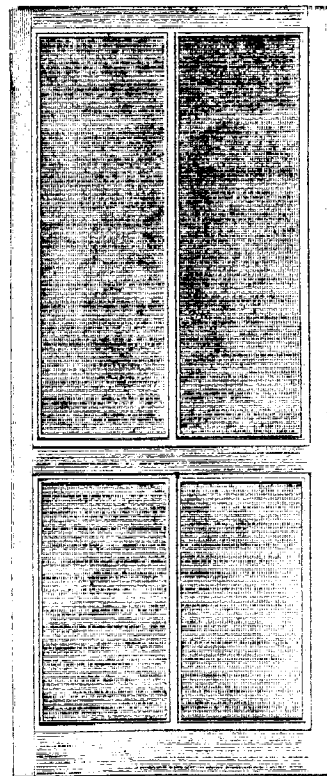
144



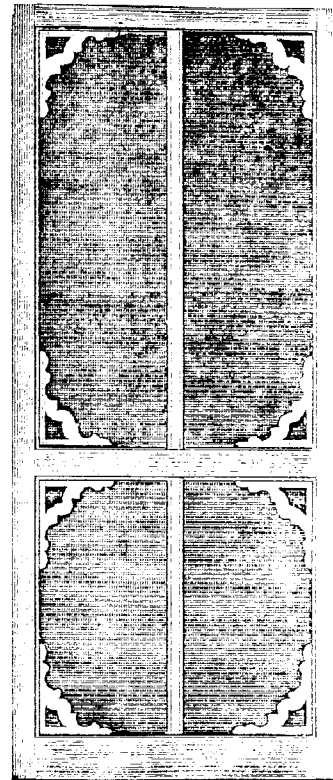
145

WRITE FOR PRICES.

## WIRE SCREEN DOORS.



135



136

Painted in Two Coats of Best Green or Stained in Imitation of Walnut.

Covered with best Wire Cloth. Raised Moulding inside. O G Finish outside.

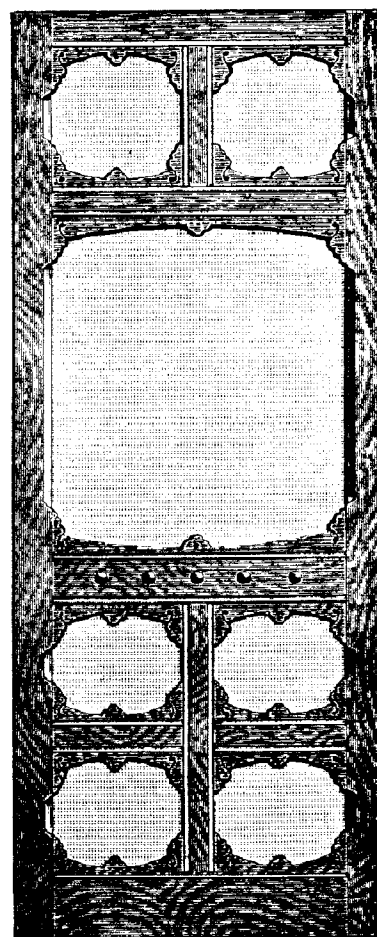
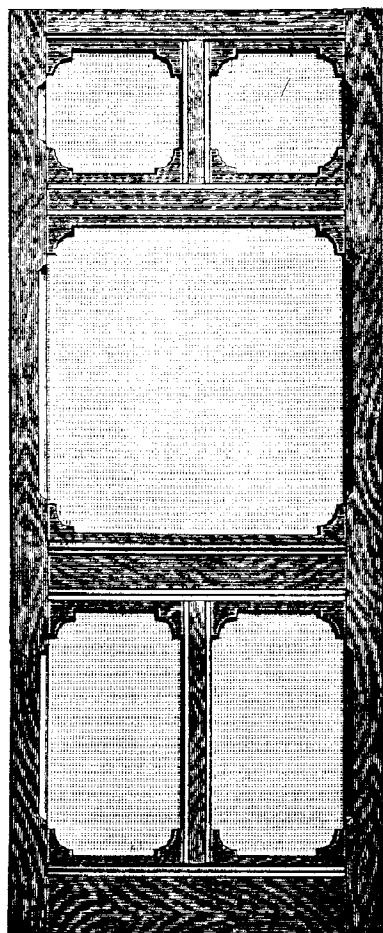
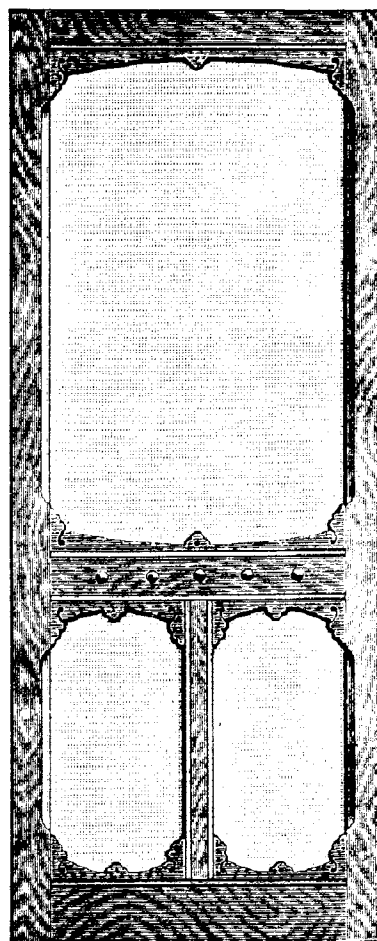
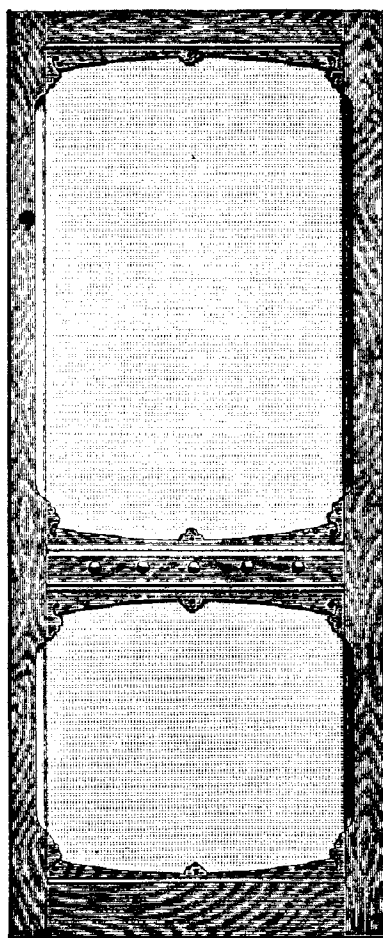
SIZE.					Thickness.	Discount same as O G Doors.	
						Price Plain.	Price with Brackets.
Ft.	In.		Ft.	In.	Inches.	\$ cts.	\$ cts.
2	6	x	6	6	7-8	2 15	3 15
2	8	x	6	8	"	2 25	3 25
2	10	x	6	10	"	2 45	3 45
3	0	x	7	0	"	2 70	3 70
2	6	x	6	6	1 1-8	2 30	3 30
2	8	x	6	8	"	2 40	3 40
2	10	x	6	10	"	2 60	3 60
3	0	x	7	0	"	2 90	3 90

With Figured Cloth, add to list 40 cents.

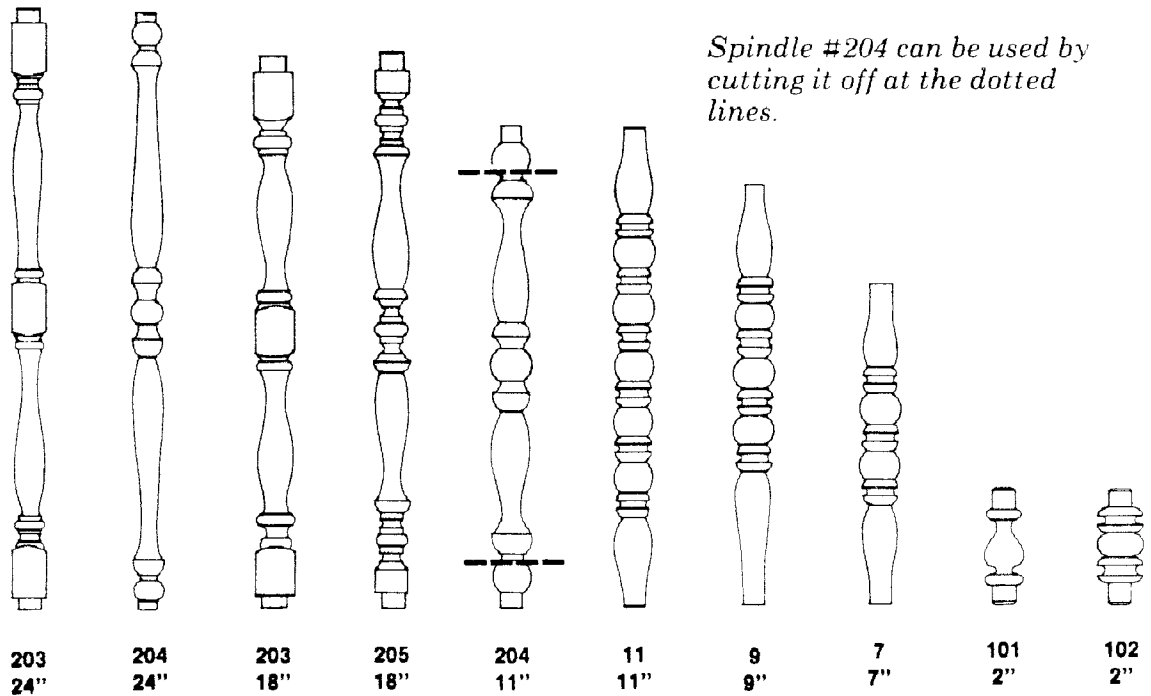
We make all our stock sizes one inch longer and half inch wider than list, to allow for fitting. Hardwood Screen Doors and Sash made to order.



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reprinted from  
**Late Victorian  
Architectural Details**



## ALDER TURNED SPINDLES & RAILINGS



*Check to see if your local lumber company stocks these spindles. If not, perhaps you can convince them to. If not, call or write the Michael-Regan company to find the nearest supplier.*

**Michael-Regan.** division of **Mi Mansion Industries, Inc.** • 14711 Clark, E. Industry, CA 91745 213-968-9501

*Other sources of spindles:*

**Cryder Creek Wood Shoppe, Inc.**  
**Box 19**  
**Whitesville, N.Y. 14897**

**Woodworks**  
**4013-A Clay Avenue**  
**Fort Worth, Texas 76117**

# Recipe For Old-Fashioned Gingerbread

How to make new gingerbread . . . the kind of sawn-wood ornament that might have been stripped off your old house in the past. We'll have to leave it up to each individual to find a pattern appropriate in period and design. What's shown here is not pattern layout, but rather the *best* procedure for fabricating and installing the pieces. Even cooks who are new to the woodshop can handle this recipe.

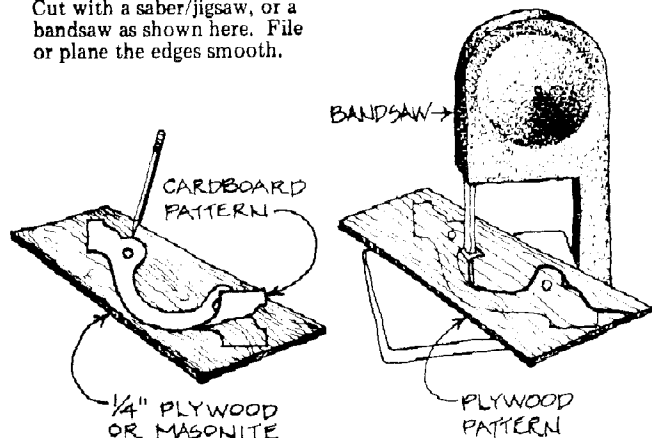
## ingredients

- pattern or piece to copy
- oaktag or cardboard
- Masonite or 1/4" plywood
- dimensional lumber
- carpenter's wood glue or better
- polyurethane or butyl caulk
- exterior wood primer (same brand as finish paint)
- liquid wood preservative
- galvanized nails or screws
- exterior trim paint
- What about equipment? Whether this is an easy job or a hard one depends on the quality and versatility of your tool collection. If you intend to create multiple pieces, you may want to invest in a few good tools; a minimal number are required for this project. Here's a list: pencil; saber/jigsaw or bandsaw; clamps; various rasps, planes, or a spokeshave; sandpaper and sanding block; electric or hand drill; dipping tray; caulk gun; paintbrush.

## the recipe

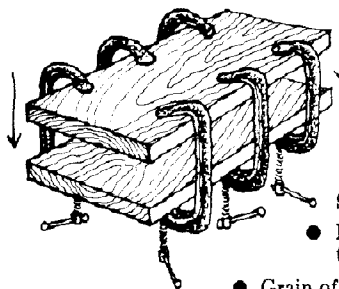
### Step 1: MAKE THE TEMPLATE

- Draw the pattern actual size and cut it out of cardboard, oaktag, or other heavy paper.
- Trace this pattern onto Masonite or 1/4-inch plywood. Plywood is better if you're making multiples and accuracy of the final pieces is important — it's more dimensionally stable than Masonite.
- This becomes your master template. *Accuracy is important.* Cut with a saber/jigsaw, or a bandsaw as shown here. File or plane the edges smooth.



### Step 2: CHOOSE THE LUMBER

- Poplar or clear pine are suitable. You must use *clear* pine because knots will weaken thin sections of sawn ornament.
- Oak is stronger and more durable than softwood. This is important if the designs have inherently weak, thin sections. However, oak is a bit more difficult to work than most other common woods.
- Redwood is most insect- and rot-proof. But it's soft, so it won't hold fasteners as well as oak. Keep this in mind during installation of redwood pieces.



### Step 3: GLUE UP STOCK

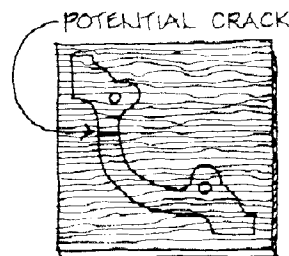
- If necessary, glue up stock to the required thickness.
- Grain of glued pieces should run in approximately the same direction.
- Use carpenter's wood glue or better, such as a waterproof glue for exterior use. Clamp tightly and allow to set.

### Step 4: TRANSFER THE PATTERN

- Trace the pattern carefully onto the wood. For maximum strength in the finished piece, be sure that the pattern follows the long grain as much as possible. The drawing illustrates the inherent weakness of thin sections that cross the grain.



pattern with the long grain

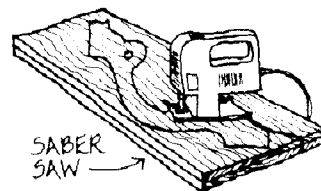


pattern across the grain

- Also, minimize waste by thinking ahead. Fit several patterns or pieces together on the wood like a jigsaw puzzle.

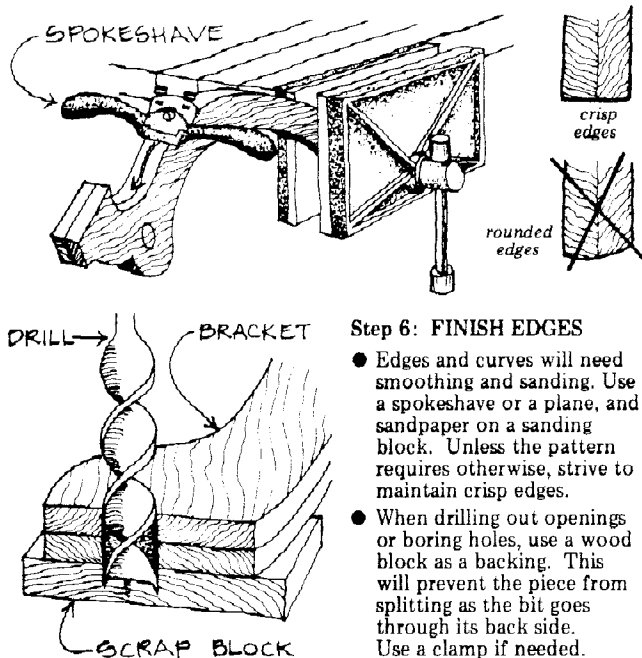
### Step 5: CUT IT OUT

- Cut out the pattern with a saber/jigsaw or a bandsaw.
- Clean up the edges with cutting and smoothing tools such as rasps or planes.



Restoration Design File #11

By Patricia Poore  
Illustrations by Jonathan Poore



#### Step 6: FINISH EDGES

- Edges and curves will need smoothing and sanding. Use a spokeshave or a plane, and sandpaper on a sanding block. Unless the pattern requires otherwise, strive to maintain crisp edges.
- When drilling out openings or boring holes, use a wood block as a backing. This will prevent the piece from splitting as the bit goes through its back side. Use a clamp if needed.

#### Step 7: USE A WOOD PRESERVATIVE

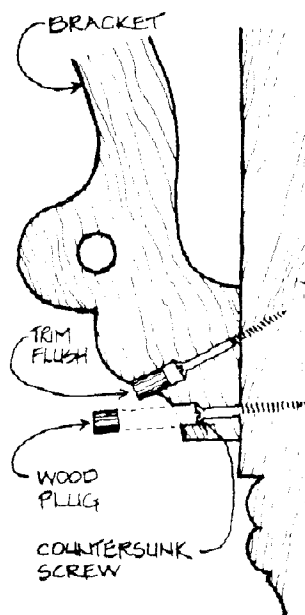
- Use a zinc naphthenate or TBTO liquid preservative such as *Cuprinol Clear No. 20* or *McCloskey's Lumber Life*. Preservatives containing pentachlorophenol (*WoodLife*) have unacceptably high human toxicity.
- Soak pieces a minimum of 5 minutes per inch of thickness. A disposable aluminum turkey-roasting pan makes a suitable dipping tray.
- Read and heed safety warnings on the label. They're not kidding.
- Allow wood to dry for at least 24 hours after dipping and before priming.

#### Step 8: PRIME ALL SURFACES

- Apply an exterior wood primer to all surfaces of every piece *before* installation.
- Be especially thorough priming end grain, as these areas are most porous and susceptible to paint failure & rot.

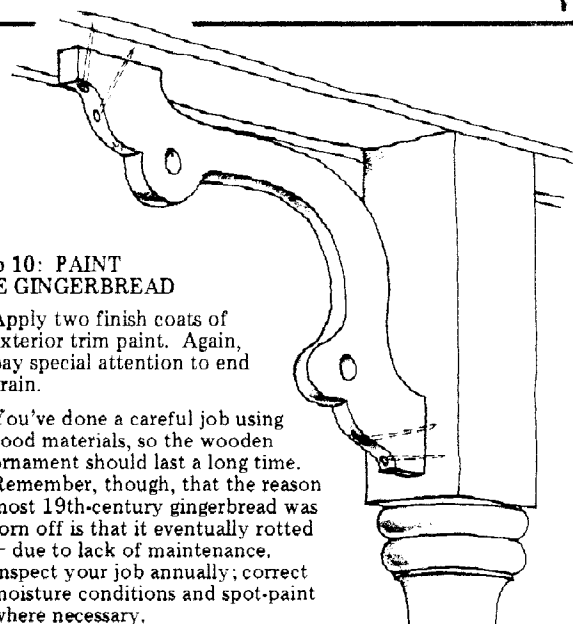
#### Step 9: INSTALL IT

- For best results, bed each piece in caulk as it is being installed. The caulk will help secure it as well as keep out moisture.
- Install pieces with galvanized nails or screws. Pre-drill where necessary, or blunt the ends of the nails to prevent them from splitting the gingerbread.
- Countersink the fasteners and plug with wood. Smaller holes can be filled with wood putty.
- Caulk all joints prior to painting. This seals out water and makes a neat-looking installation job. Use good-quality, exterior, paintable caulk.



#### Step 10: PAINT THE GINGERBREAD

- Apply two finish coats of exterior trim paint. Again, pay special attention to end grain.
- You've done a careful job using good materials, so the wooden ornament should last a long time. Remember, though, that the reason most 19th-century gingerbread was torn off is that it eventually rotted — due to lack of maintenance. Inspect your job annually; correct moisture conditions and spot-paint where necessary.



## pattern sources

Where do ideas for patterns come from? Sawn-wood ornament was produced in as many shapes as there are imaginations . . . although each neighborhood, city, and region had its most popular patterns. Designs not only differed with the style of the house, but changed over time, too. The most popular patterns in 1870 are in some places quite unlike those common in 1900.

Your first sources for pattern designs should be local. Do any period photos of your house still exist? Are there similar houses in town with their gingerbread intact? If historical accuracy is paramount, a little investigation through the paint layers of your own building might reveal ghosts of the original ornament.

Next come pattern books of the period. Some are available in reprint editions; a few give details of the pieces besides showing them in place on the facade.

We've recently come across a source for *knee* or bracket patterns. This is a package of nine stencils from a turn-of-the-century wood-working mill in New England. They represent some of the most common designs from New England and elsewhere, and are suitable for porches, eaves, and gables. The nine paper stencils range in size from 6 in. x 10 in. to 18 in. x 30 in. All nine cost \$6.20 postpaid from Marsh Stream Enterprises, RFD 2, Box 490, Dept. OHJ, Brooks, Maine 04921.

## Screen Doors

*The bug season is upon us! Whatever type of flying critters you're trying to keep out, the screen doors made by the following companies will be a complement to your old house, as well as a bug barrier. Designs range from the very plain, some reminiscent of Craftsman woodwork, to ornate Queen Anne styles with abundant fretwork and turnings.*

Four reasonably priced screen doors with minimal ornamentation can be mail-ordered from Remodelers & Renovators. Unfinished pine with aluminum screens, the doors are sold only in 32- or 36-inch widths. Prices begin at \$85 for a door with small sawn-ornament corner fans. Another, with turned spindles, costs \$125. Their complete catalog is \$2. Remodelers & Renovators, 611 E. 44th St., no. 5, Dept. OHJ, Boise, ID 83704. (208) 377-5465.

Solid oak screen doors with double-dowel joinery are made by Cascade. The doors are dipped in a wood sealer, and sold unfinished with an aluminum screen. Their six patterns, ranging from \$275 to \$425, are custom sized. A catalog showing all their doors is \$2. Cascade Mill & Glass Works, PO Box 316, Dept. OHJ, Ouray, CO 81427. (303) 325-4780.

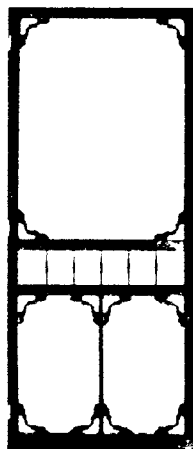
The selection of 30 different designs from Old 'N Ornate starts with *Beth's Door* — plain stiles and rails — and moves through more and more elaborate detailing. Made of Douglas fir, the doors are finished in your choice of stain and Spar varnish or paint (both in the color of your choice). Doors are custom sized and prices range from \$100 for *Beth's* to \$450 for a highly ornate door. All models are also sold as storm doors or burglar-resistant storm doors. (These have Lexan acrylic glass and additional bolt locks.) Their catalog is free. Old 'N Ornate, 5175 Fox Hollow Rd., Dept. OHJ, Eugene, OR 97405. (503) 345-7636.

Heart-redwood screen doors in four detailed styles are manufactured by JMR. Glued and dowelled, these doors are sold unfinished (with no screen or hardware) for \$174.95 each. Stock widths are 32 in., 34 in., or 36 in., but custom sizes can be ordered. For a brochure, \$50, write JMR Products, PO

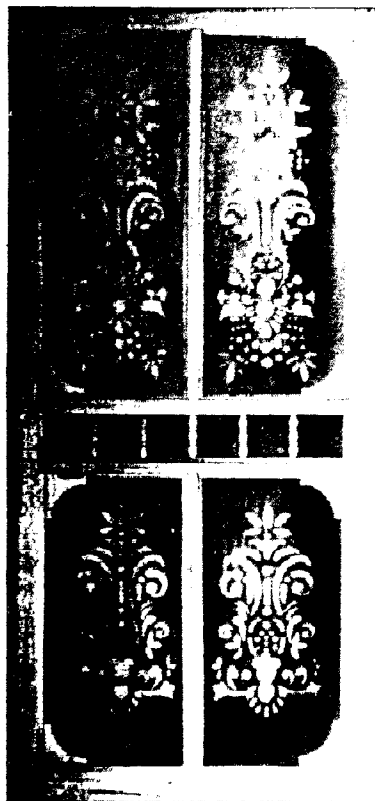
Box 442, Dept. OHJ, St. Helena, CA 94574. (707) 942-4551.

If you'd rather not stencil your own screens (pictured in OHJ July 1980), Mad River Woodworks has a ready-made answer. Their SD-101 door, \$165, features Victorian stencilling in white paint on its gray aluminum screening. The screen alone, perfect for a replacement on an existing door, costs \$25 per panel. They offer four other screen doors, all based on original 1860s patterns. Made from a light-colored hardwood (usually adler or poplar), these doors are sold unfinished. All doors are made to your size specifications. A catalog showing the screen doors and other Victorian-style millwork is \$2. Mad River Woodworks, PO Box 163, Dept. OHJ, Arcata, CA 95521. (707) 826-0629.

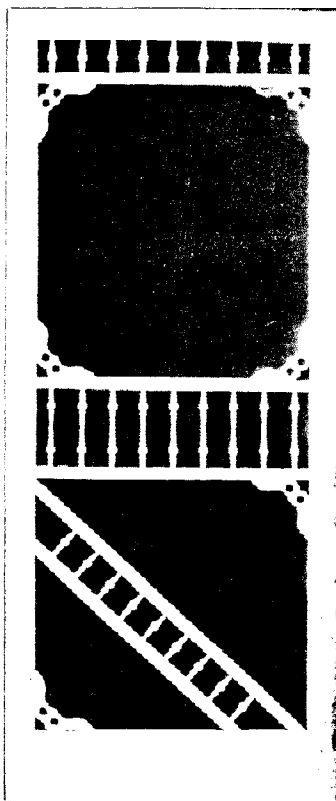
Need a screen door for your round-top or double-door entry? These are just two of the almost endless number of designs sold by Creative Openings. Other designs of special interest are a Craftsman style door, \$225, and their Queen Anne door, \$540. Made from solid white ash, white oak, or mahogany, these custom doors are mortised-and-tenoned, and sold with solid brass screens. Their catalog, \$3, gives you a good idea of their limitless design capabilities. Creative Openings, 1013 Holly St., Dept. OHJ, Bellingham, WA 98225. (206) 671-7435.



*Nana's Door*



*A stencilled door from Mad River Woodworks*



*JMR's style B "The Sutter"*



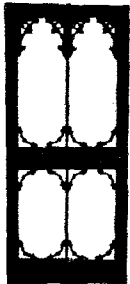
*These two doors by Creative Openings show the range of screen door styles offered by the companies listed here.*



Other sources of screen doors:

The following ads were taken from:

**Victorian Homes Magazine**  
P.O. Box 61  
Millers Falls, MA 01349



**VICTORIAN  
Storm-Screen Door**

handcrafted of Douglas Fir in all sizes. Mortise and tenon construction for maximum strength and durability. This handsome, sturdy door is just what you need for your Victorian home — summer and winter! Chippendale styles also available.

For brochure send \$1.00 to:

**OLD WAGON FACTORY**

P. O. Box 1085, Dept. VH  
Clarksville, Va. 23927  
(804) 374-5717 VISA & M/C

**VICTORIAN  
MILLWORK**

Victorian Gingerbread authentically recreated  
in the finest California redwood  
and selected hardwoods

- Balustrades
- Wood Turnings
- Brackets and Corbels
- Moulding
- Screen Doors
- Repeating Ornament
- and more

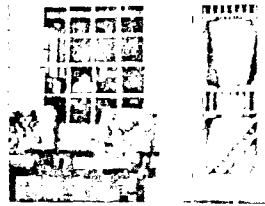
Build, restore, remodel with true Victorian charm  
Catalog and Price List \$2

**Mad River Woodworks**

P.O. Box 163  
Arcata, California 95521  
(707) 826-0629

shipped nationwide

After all you've  
spent on your  
beautiful home and  
all you can find is an  
aluminum screen door to  
keep the insects out this  
summer...



**Look no more.**

JMR Products makes "The Open Door" from clear-heart redwood, in four Victorian styles, with hardwood decoration, one that will make you and your house smile with delight. Send 50¢ now for detailed brochure and get your order in early for fastest delivery.

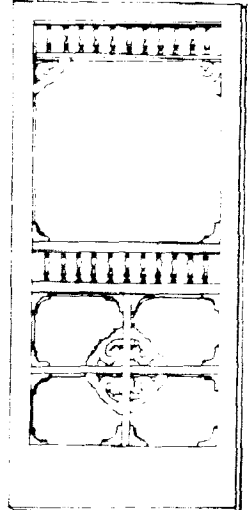
**JMR Products**

P.O. Box 412 St. Helena, CA 94574

SUMMER 1981

**RENOVATION PRODUCTS**

- wood & brass house numbers & letters
- cupolas, weathervanes & fauna faucets
- cupboard & door trim kits & moldings
- turnings, finials, posts & columns
- decorative wood & fibre carvings
- steel ceiling & ceiling medallions
- plain & fancy wood stair parts
- gargoyles & cenotaphs
- period screen doors, porch swings & double facing glider
- period gingerbread, fretwork & gable treatments
- wood, styrene & urethane moldings & brackets
- cast table bases, park benches & lamp posts
- Victorian entry doors
- mantels
- roof cresting & finials
- fancy newel posts
- corner beads
- decorative siding
- dentil molding
- oak molding

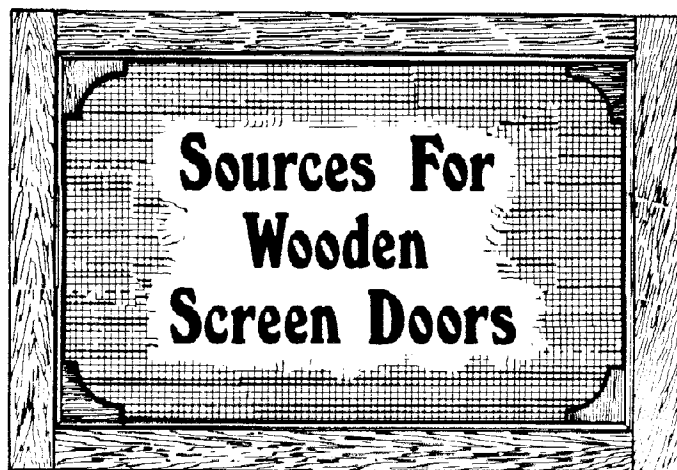


5302 Junius  
Dallas, Texas 75214  
214 827 5111

send \$2.00 for a complete catalogue

This ad from:

**The Renovator's Supply**  
**Renovators Old Mill**  
Millers Falls, MA 01349



**T**HE ARTICLE ON SCREEN DOOR PATTERNS in the July issue succeeded in bringing to light a number of commercial sources for wooden screen doors--both stock and custom-made. The upshot seems to be that you can get plain thin-frame wood screen doors through many lumber yards. These doors are factory made by the companies listed below, and are distributed through lumber yards and building supply centers.

BUT IF YOU WANT a screen door with a thick frame, or with old-fashioned scrollwork or spindles, you'll have to have it custom-made. The one exception is Renovation Products (see first listing), which is just introducing a standardized line of old-fashioned decorative screen doors.

PRICES FOR STOCK wooden screen doors seem to range from about \$30 to \$100, depending on material and quality of construction. A custom-made door will usually range from \$100 to \$300 and up.

### Stock Screen Doors

● **RENOVATION PRODUCTS**, 5302 Junis, Dallas, TX 75214. (214) 827-5111. This company is coming into production with a line of standard decorative old-fashioned screen doors, inspired in part by the article in the July OHJ. Doors come with ball & dowel brackets or scrollwork brackets. Doors are made in standard sizes, but can also be made to fit odd-size openings. Door frames are full 1 in. thick. No dealers; sells direct to homeowners. Catalog \$2.00--available after Oct. 31.

● **IDEAL MILLWORK**, P.O. Box 889, Waco, TX 76703. (817) 754-4631. Supplies a standard line of Ponderosa pine screen doors to jobbers throughout the country except the West Coast. Write or call company for name of nearest dealer. Free flyer.

● **COMBINATION DOOR CO.**, P.O. Box 1076, Fond du Lac, WI 54935. (414) 922-2050. This company manufactures a line of standard pine screen doors. They also specialize in a combination screen and storm door in all-wood construction; the screen panel slips out and a glass panel is inserted for winter. All sales are through wholesalers who in turn supply local lumber yards. The company's doors are distributed as far west as Denver, through the Midwest states and the Northeast. To find distributor nearest you, call or write the company. Free brochure available.

● **E. A. Nord Co.**, P.O. Box 1187, Everett, WA 98206. (206) 259-9292. This is the world's largest producer of stile and rail doors...and among their products is a line of standard screen doors made from Western hemlock. Sells nationally through dealers and distributors only. No literature on screen doors; call or write for name of nearest dealer.

● **NATIONAL SCREEN CO.**, P.O. Box 1608, Suffolk, VA 23434. (804) 539-2378. In addition to a line of standard plain screen doors, the company also makes a line of decorative screen doors that have scrollwork and/or louvers. They also make a combination screen and storm door. Doors are made from fir and pine. Call or write for name of nearest dealer. No literature.

● **DELTA MILLWORK**, P.O. Box 8866, Jackson, MS 39204. (601) 922-2771. Makes standard Ponderosa pine screen doors in 3 designs. Doors use aluminum screening--but they put a charcoal grey finish on the wire to cut the glare of the aluminum. Doors are available through dealers in all the Eastern states. No literature.

### Custom-Made Doors

● **DRUMS SASH & DOOR CO.**, P.O. Box 207, Drums, PA 18222. (717) 788-1145. This architectural millwork company has available a couple of standard patterns for all-wood screen and combination screen/storm doors. Can be made up in any size; normal thickness is 1-1/8 in. All doors are made to order. No distributors, but will ship. Catalog & price list: \$1.

● **MOSER BROTHERS**, 3rd & Green Sts., Bridgeport, PA 19405. (215) 272-1052. Has made custom screen doors for many old-house restorations. Will work from architect's drawings or homeowner's sketch. No literature; stop by with plans.

● **LU-NATIC DOORS**, 522 Elizabeth St., Key West, FL 33040. (305) 296-3730. This company has been making quality custom screen doors in Key West. They use quality hardwoods and either glass or aluminum screens. Prices have ranged from \$100 to \$300, depending on pattern and woods used. They are willing to make up custom screen doors and ship to fellow OHJ subscribers who can't get them locally. No literature; call for more details.

● **CREATIVE OPENINGS**, 1013 Holly St., Bellingham, WA 98225. (206) 671-7435. Each screen door is individually designed and crafted to meet customer needs. They specialize in designs with a Victorian flair. Some are made with bentwood laminations and hand-turned spindles. Corners are of mortise-and-tenon construction, secured with pegs. They like to get photos of your home so that door can be specifically tailored to match the style. Prices differ depending on type of wood selected. Call Tom or Patricia Anderson for more details, or write for free literature.

### Screen Door Plans

**I**F YOU WANT TO MAKE a screen door yourself, you can get a blueprint for an attractive Victorian-style combination screen/storm door from Utah Historical Society. The plans were drawn up by preservation specialist Larry Jones to encourage homeowners to use appropriate wooden screen doors. You can get a set of the plans by sending \$5 to: Preservation Section, Utah Historical Society, 307 West 2nd South, Salt Lake City, UT 84101. 