Scroll Saw
by Land, Sea & Air

46 Ready-to-Cut Patterns For Trains, Ships, Planes and Cars

By Vernon Brown
Santa Catarina Do Monte Sinai

Stringing diagram for the Santa Catarina Do Monte Sinai, pattern on pages 26 and 27.

Fluyt

Stringing diagram for the Fluyt, pattern on pages 28 and 29.

Royal George

Stringing diagram for the Royal George, pattern on pages 30 and 31.
Scroll Saw
by Land, Sea and Air

by Vernon Brown
Dedication
To my God for the abilities He has given to me.
To my family, my wife, Kari, and my children, Tami, Timothy and Michael for allowing me the time
to finish this project.

On the Front and Back Covers
William Mason (train), page 4; Ford Model T (antique car), page 16; Santa Catarina Do Monte Sinai
(ship), page 26.

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Because working with a scroll saw inherently includes the risk of injury and damage, this book
cannot guarantee that creating the projects described herein is safe for everyone. For this reason,
this book is sold without warranties or guarantees of any kind, express or implied, and the pub-
lisher and author disclaim any liability for any injuries, losses or damages caused in any way by
the content of this book or the reader's use of the tools needed to complete the projects present-
ed herein. The publisher and the author urge all scrollsawers to thoroughly review each project
and to understand the use of any tools involved before beginning any project.
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Vernon Brown has been an avid woodworker since his younger days. In 1994, he bought a scroll saw – a purchase that, in his words, “changed his life.” The next year, he published the original version of *Scroll Saw by Land, Sea and Air* and started a new pattern catalog, *The Wooden Teddy Bear Collection*. Vernon enjoys creating new patterns of intarsia, fretwork, shelves, and clocks, to name a few. All of his patterns can be found in the *Wooden Teddy Bear*’s catalog, which currently contains well over 500 patterns, blades and other accessories for scrollers. To request a copy of the *Wooden Teddy Bear* catalog, call (888) 762-9149 or e-mail woodenteddybear@pobox.com. Vernon also maintains a website at www.woodenteddybearonline.com.
Basic Cutting Instructions

1. Photocopy the pattern or patterns.

2. Choose a piece of wood for your project.
   - **TIP:** For larger ship patterns, I have found that ¼ in. oak, birch and a variety of other plywood work very well.
   - **TIP:** For most of the other patterns I have found ½ in. thick wood works very well and is available in a variety of wood types.

3. Using a spray adhesive, glue the pattern photocopy directly to the wood.

4. Drill holes in all the sections of the pattern that need to be cut out.
   - **TIP:** I use a ⅛ in. drill bit whenever possible. Sometimes on the small intricate areas, a ¼6 in. drill bit is needed.

5. Make all the inside cuts first.
   - **TIP:** I make single lines wider, depending on the thickness of the wood, to make the single cut lines more noticeable.
   - **TIP:** Experiment with different blade sized to see what works best for you. I use #5 for most of my cutting and #2/0 for small intricate areas where a ¼6 in. starter hole was made.

6. Cut the outline shape after all the inside cuts have been made.

7. Remove the paper pattern.

8. Sand the top surface to remove the glue residue. Sand and file other areas where necessary.

Stringing Instructions

**Materials:**
- Low temperature glue gun
- Crochet thread size #10 to #30, tan or light brown (or something similar)
- Scissors
- Needle (with a large eye)
- Stringing diagram for your ship.
On the stringing diagrams, the broken lines (---) mark the string locations. Where the line ends at a solid circle, the string will go through a hole and be glued on the back. Where the line ends at the edge of a cutout, the string will be glued on the back of the wood at that location.

This indicates where the string is wrapped around the mast six to seven times and then glued on the back.

To make this string section, take three pieces of string about six inches long and one piece about 12 inches long. Lay them side-by-side as shown.

With a low temperature glue gun, put a drop of glue at the arrow and roll the strings between your finger and your thumb. This will give you the "one string into four" look.

There are two sting-hole sizes:

\[
\frac{3}{16} \text{ in. diameter hole} \\
\frac{1}{4} \text{ in. diameter hole}
\]

**Pattern Use Variations**

Your imagination is the only limit as to what can be done using these patterns. In addition to simple cutouts mounted on the wall or displayed on a shelf, these patterns can be used in the following three ways.

1. **Desk Set**
   A variety of the cutouts can be mounted on a base as a desk set or name plate.

2. **Framed Cutout**
   A frame can be added to any of the cutouts. An oval, circle, square, or any other shape will work, as long as it is connected to the cutout in at least two places. Colored fabric, a mirror or some other material can be fixed to the back of the frame to create a variety of different effects.
3. Picture Frame

Many of the cutouts can be turned into picture frames.

- Draw the size hole you want for your picture (oval, circle, square, etc.) on the pattern.

- Draw a second image ½ in. larger (¼ in. on each side), making these markings only on the open cutout areas. Make sure these new cutting lines are well marked so they will be easily noticeable as you do your cutting.

- Delete all the lines on your pattern that you do not want to cut out around the picture frame.
William Mason
(built in the 1850s)
0-6-0
(built in 1887 by Rodgers)
American Locomotive Co.

(1959 Diesel Passenger)
Atlantic Passenger Engine
(E2 4-4-2)
Consolidated Locomotive
(built by Brooks)
1911 Ford
Ford
Town Car
(1915)
Ford Model T

(1915)
Alfa Romeo (1932)

427 Cobra (1960)
Ferrari F 40 (1990)

Dodge Viper (1992)
1907 Dennis

(2½ Ton Van)
1910 Mack Junior
1921
Diamond T

(1½ Ton)
Flicka
(Pocket Cruiser)
Santa Catarina
Do Monte Sinai

(1520s)
Fluyt
Royal George

1756
Small American Schooner

(1760s)
The President
(An American Frigate – Early 1800s)
See Inside Back Cover for complete view and stringing diagram.
Tea Clipper

(1860s)
See Inside Back Cover for complete view and stringing diagram.
Pressen

(1902)
French Barquetine

(After WW1)
McDonnell Douglas MD 500
Boeing
Model 234 CH-47
Chinook
BELL AH-1
Huey Cobra
Piper PA 28
Cherokee 150
Gulfstream Cougar
Beech
Starship I
Concorde
British Aerospace Buccaneer S.Mk2B
Dassault - Breguet
Mirage IVP
Saab AJ 37
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President

Stringing diagram for the President, pattern on pages 34 and 35.

Small American Schooner

Stringing diagram for the Small American Schooner, pattern on pages 32 and 33.

Tea Clipper

Stringing diagram for the Tea Clipper, pattern on pages 36 and 37.
Take Off On A Scrolling Adventure!

Inside you'll find 46 scroll saw patterns guaranteed to get you "on the road" to an enjoyable scroll saw experience.

- Travel the rails with patterns for old-fashioned locomotives and modern engines—like the William Mason and the American Locomotive Company’s 1959 Diesel Locomotive.
- Fly above the clouds with patterns of bi-wing planes, fighter jets and today’s Concorde.
- Sail the high seas with patterns of majestic sailing ships and comfortable sailboats—like the Santa Catarina and the Flicka.
- Take a Sunday drive with patterns for antique and classic cars—like the 1915 Ford Model T and the 1932 Alpha Romeo.

Whether you prefer fast or slow, grounded or airborne, the wide variety of patterns for helicopters, planes, ships, trains and cars presented here is sure to please. Includes 46 ready-to-cut patterns and covers basic cutting and stringing instructions. Also includes instructions on altering patterns to include photographs.

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