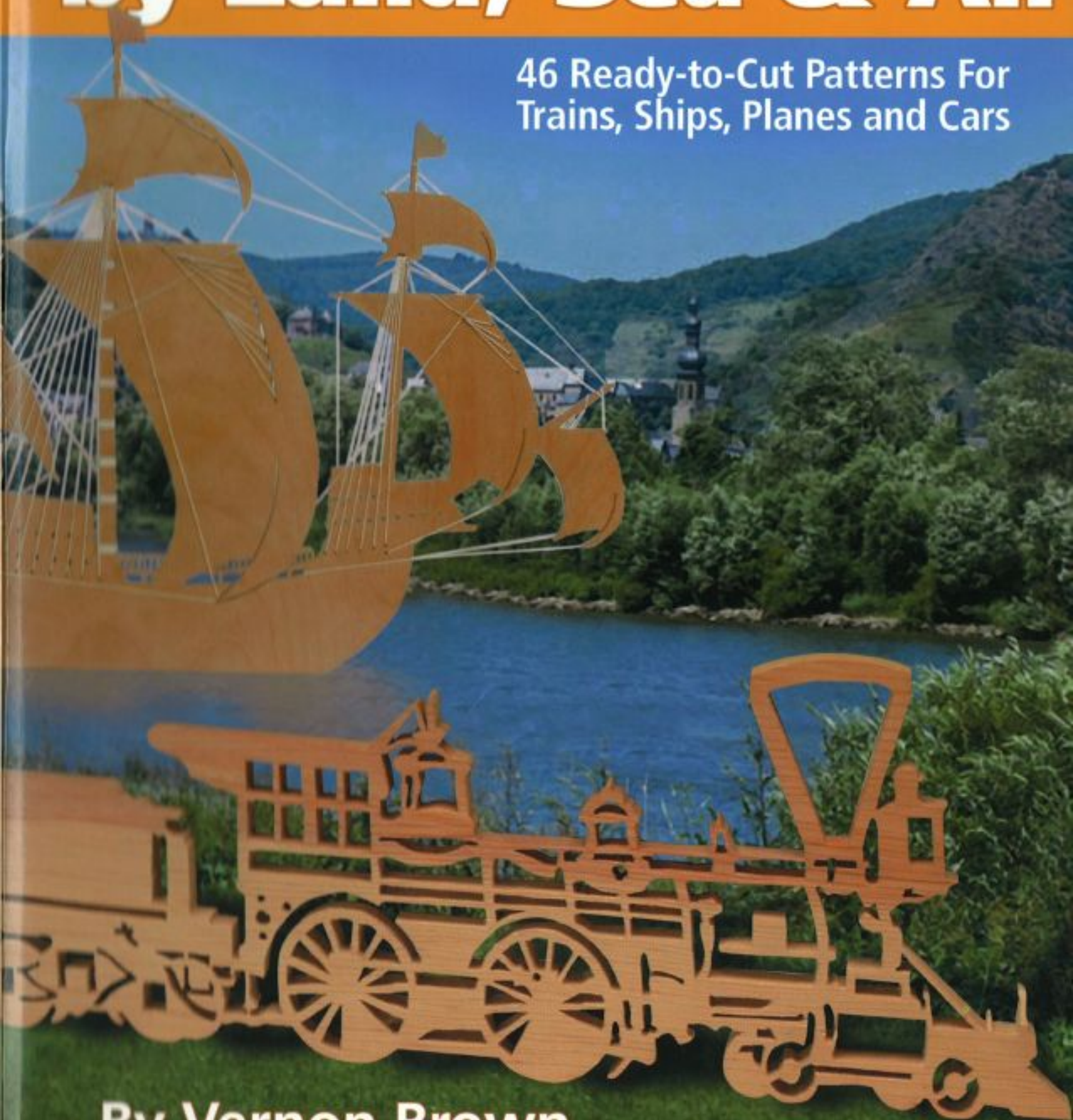


Scroll Saw

by Land, Sea & Air

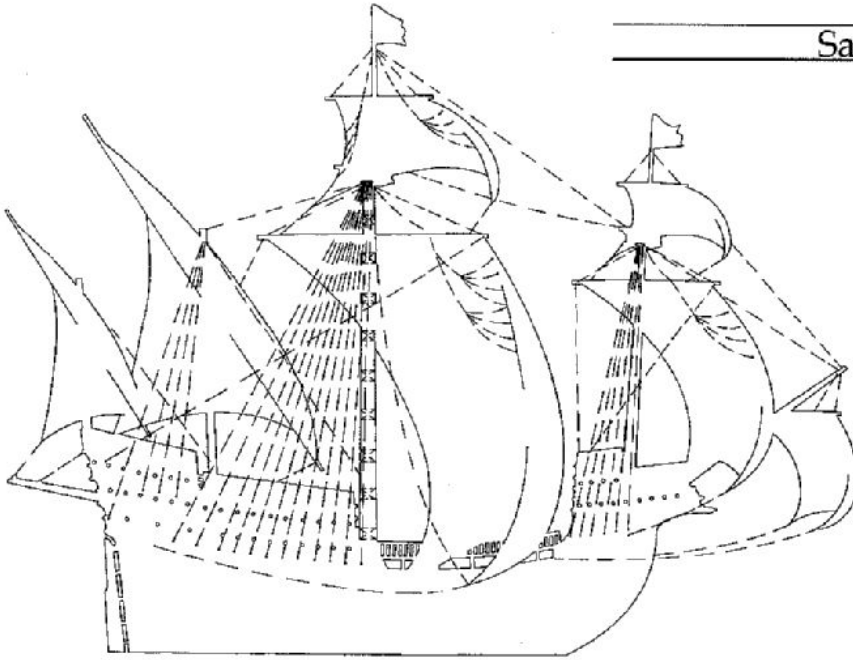
46 Ready-to-Cut Patterns For
Trains, Ships, Planes and Cars



By Vernon Brown

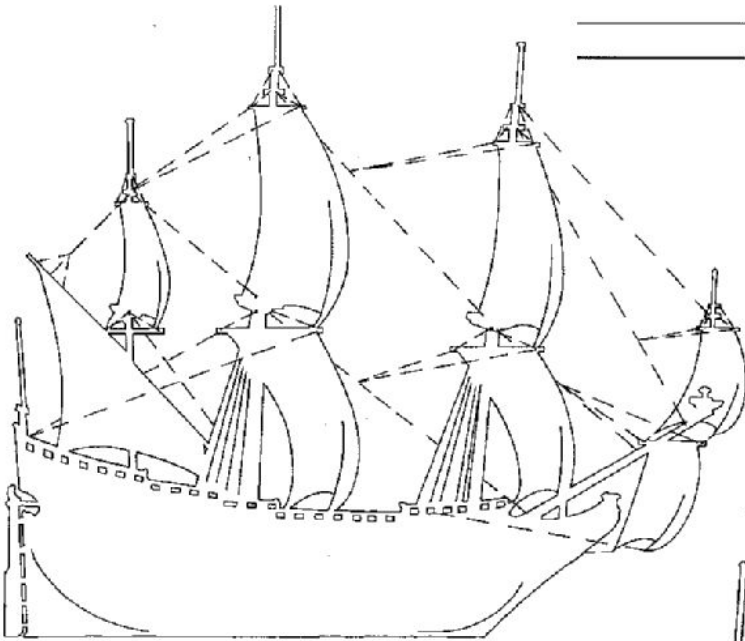
Santa Catarina Do Monte Sinai

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



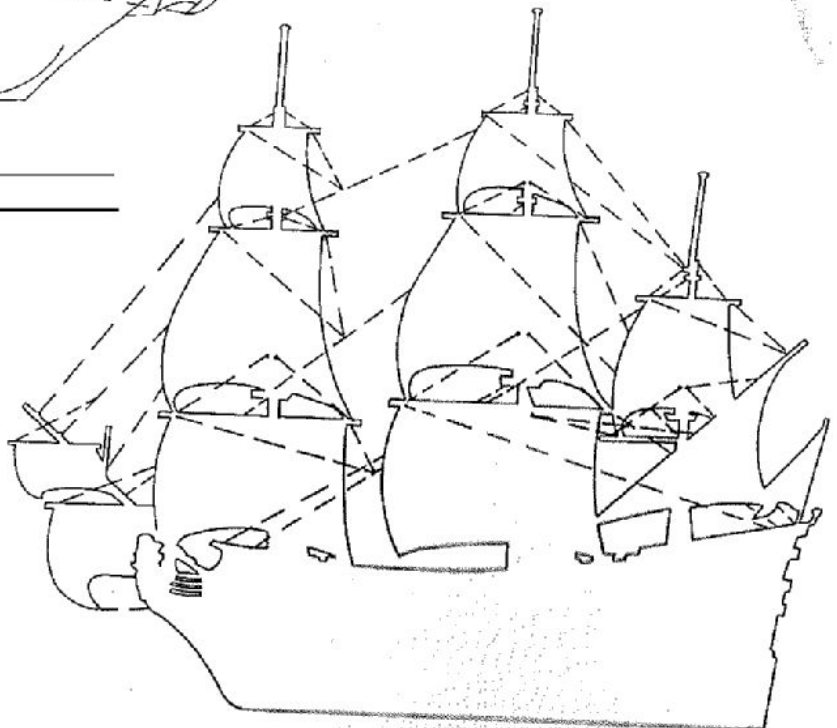
Fluyt

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



Fox
Chapel Publishing Co. Inc.

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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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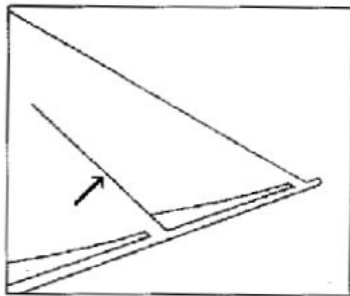
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Stringing Diagrams	Inside Front and Back Covers

About the Author

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 woodentedybear@pobox.com. Vernon also maintains a website at www.woodentedybearonline.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 $\frac{1}{4}$ in. oak, birch and a variety of other plywood work very well.
 - **TIP:** For most of the other patterns I have found $\frac{1}{2}$ 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 $\frac{1}{8}$ in. drill bit whenever possible. Sometimes on the small intricate areas, a $\frac{1}{16}$ 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 sizes to see what works best for you. I use #5 for most of my cutting and #2/0 for small intricate areas where a $\frac{1}{16}$ 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.

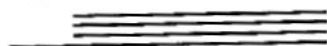
On the stringing diagrams, the broken lines (-----) mark the string locations. Where the line ends at a solid circle, the string will go through a hole and be glued on the back. Where the line ends at the edge of a cutout, the string will be glued on the back of the wood at that location.



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:

$\frac{1}{8}$ in. diameter hole

$\frac{1}{4}$ in. diameter hole

Pattern Use Variations

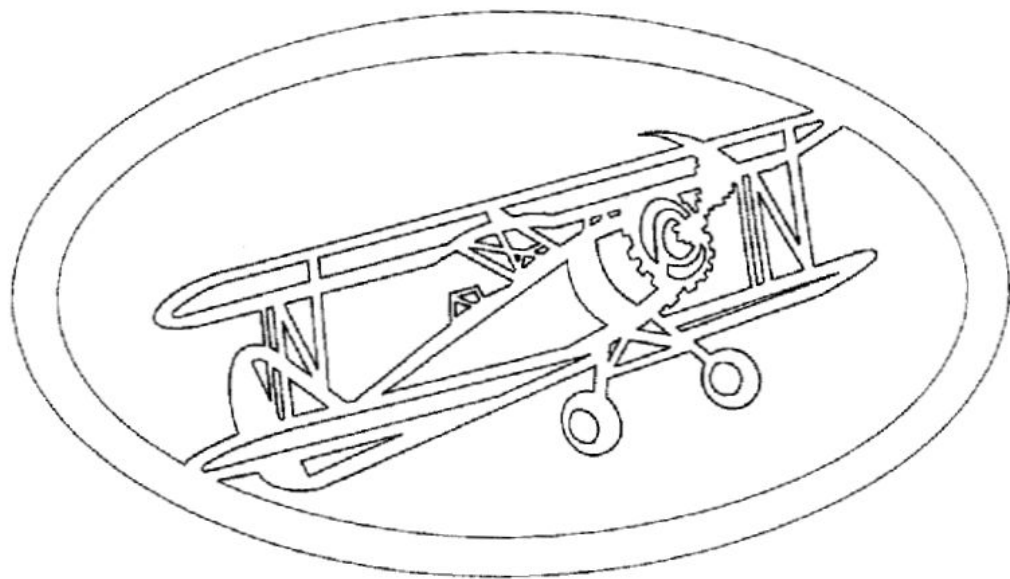
Your imagination is the only limit as to what can be done using these patterns. In addition to simple cutouts mounted on the wall or displayed on a shelf, these patterns can be used in the following three ways.

1. Desk Set

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

2. Framed Cutout

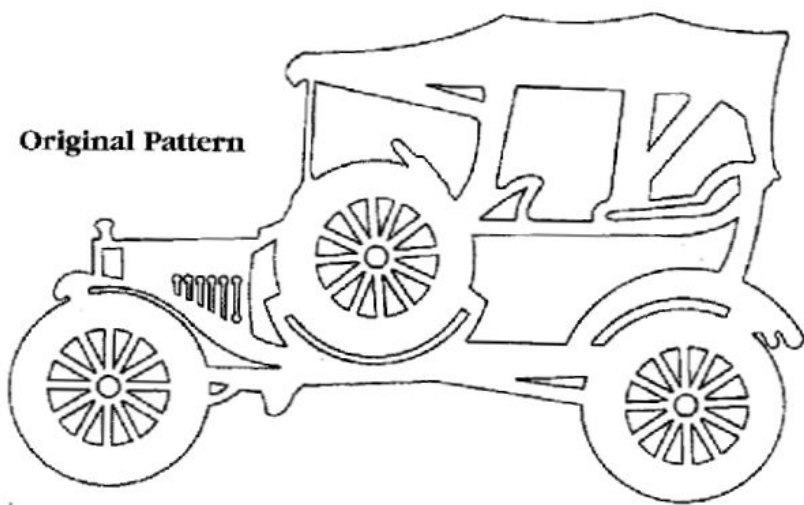
A frame can be added to any of the cutouts. An oval, circle, square, or any other shape will work, as long as it is connected to the cutout in at least two places. Colored fabric, a mirror or some other material can be fixed to the back of the frame to create a variety of different effects.



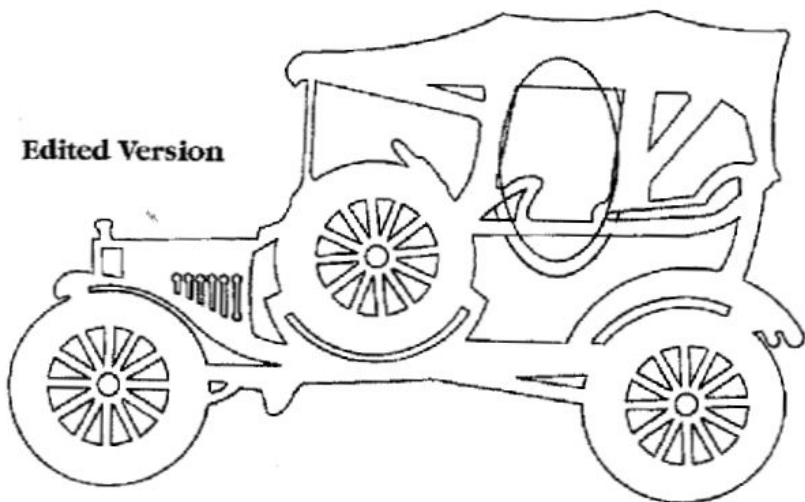
3. Picture Frame

Many of the cutouts can be turned into picture frames.

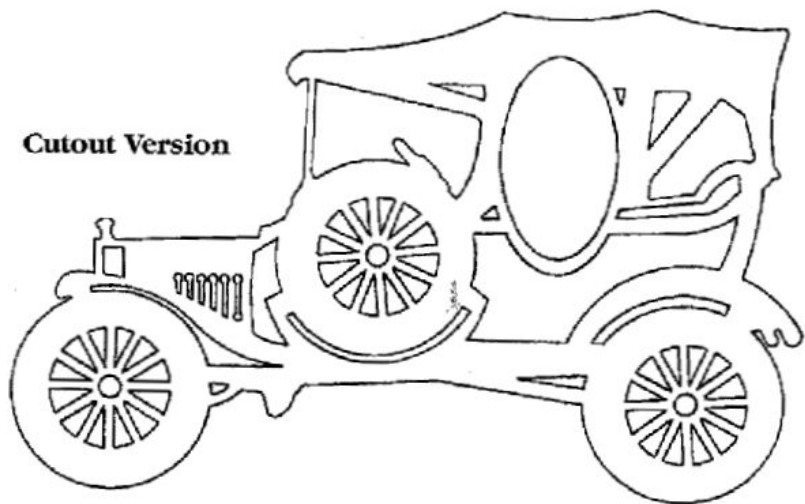
Original Pattern



Edited Version



Cutout Version



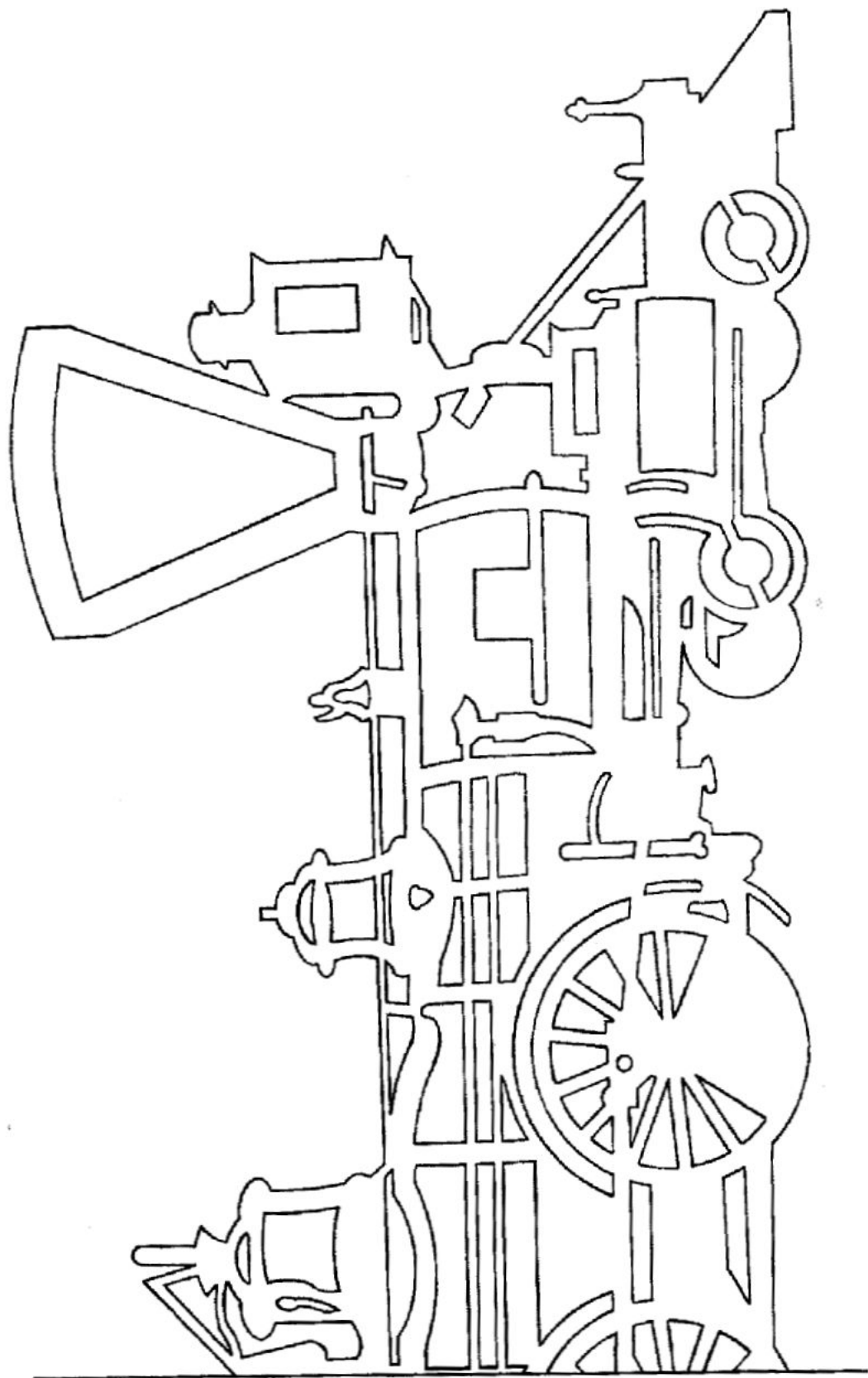
- Draw the size hole you want for your picture (oval, circle, square, etc.) on the pattern.

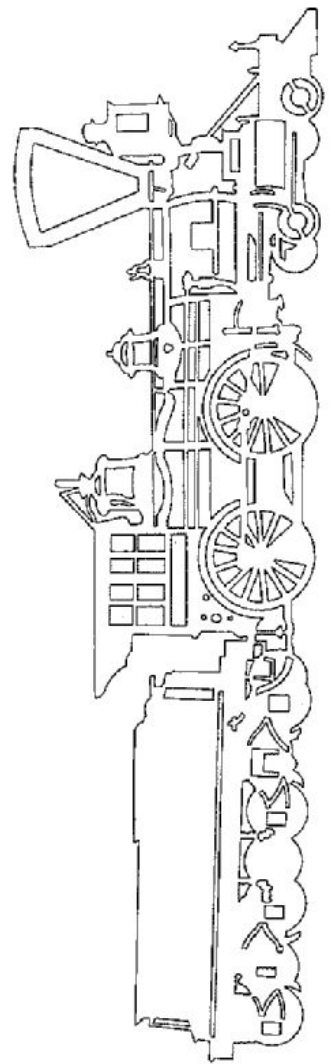
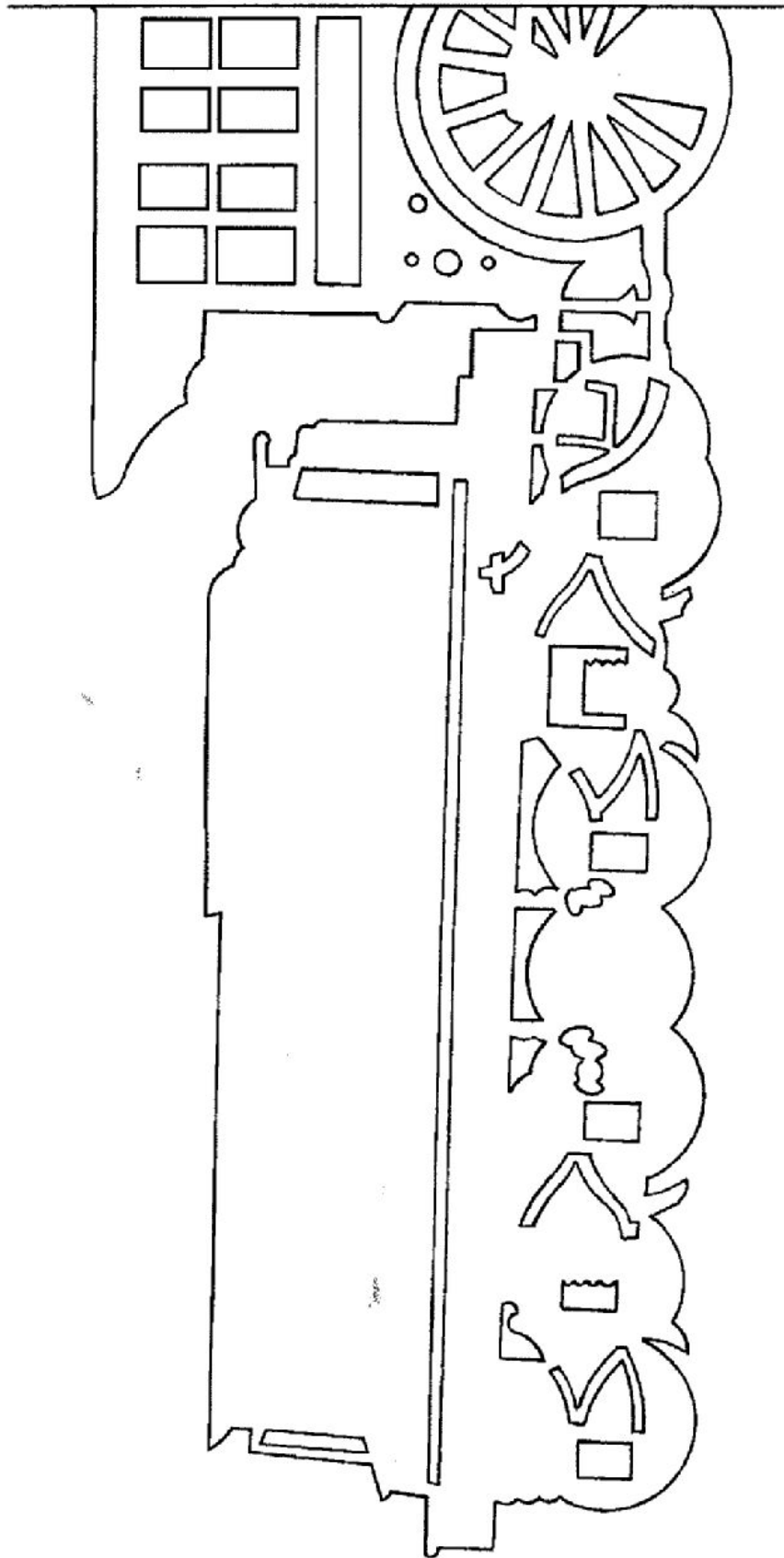
- Draw a second image $\frac{1}{2}$ in. larger ($\frac{1}{4}$ in. on each side), making these markings only on the open cutout areas. Make sure these new cutting lines are well marked so they will be easily noticeable as you do your cutting.

- Delete all the lines on your pattern that you do not want to cut out around the picture frame.

William Mason

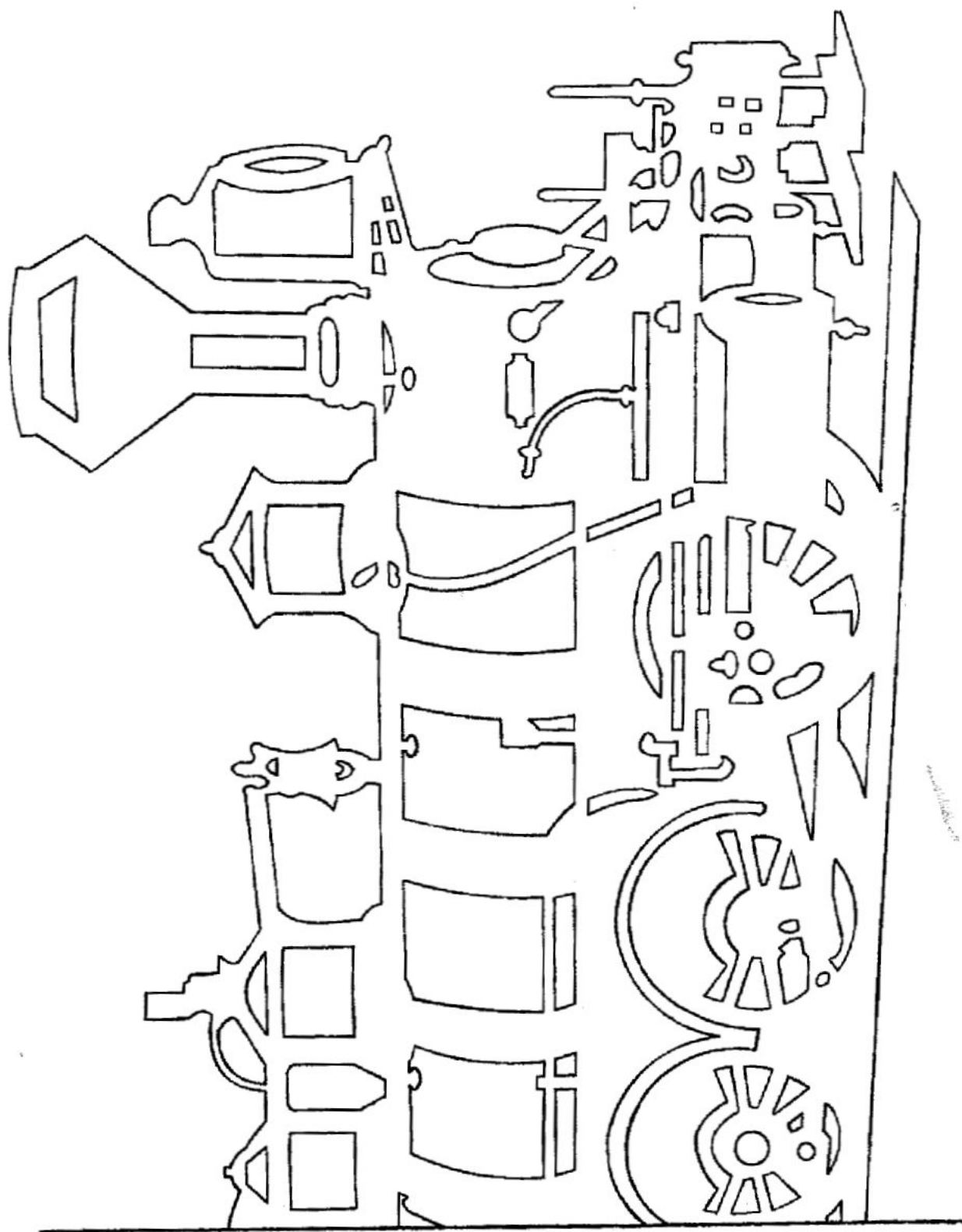
(built in the 1850s)

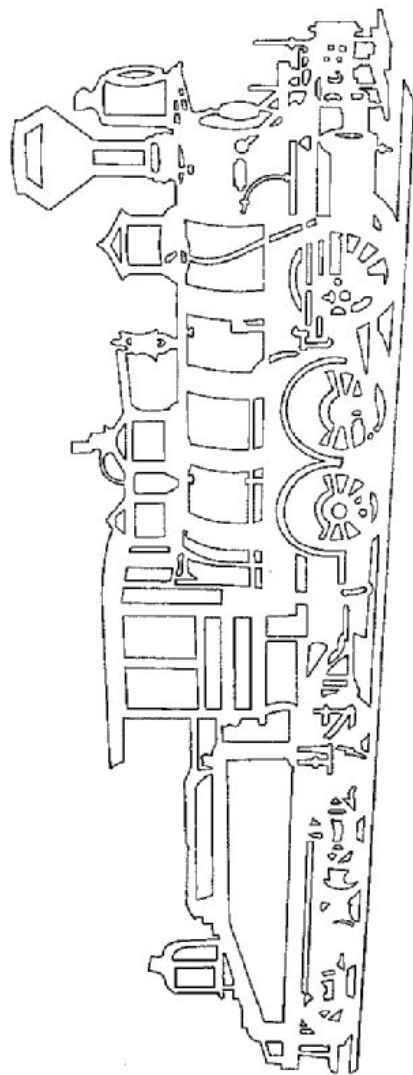
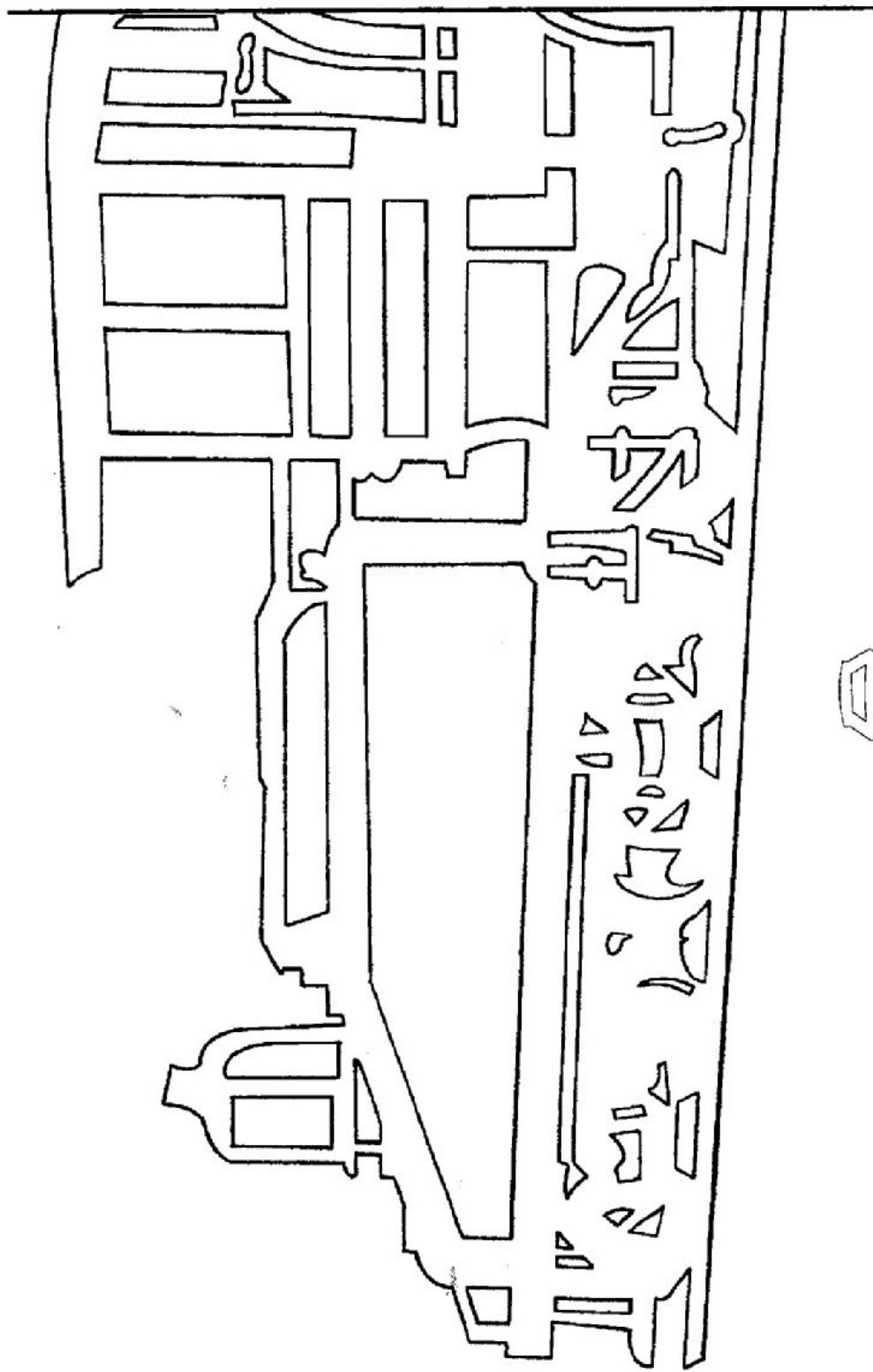




0-6-0

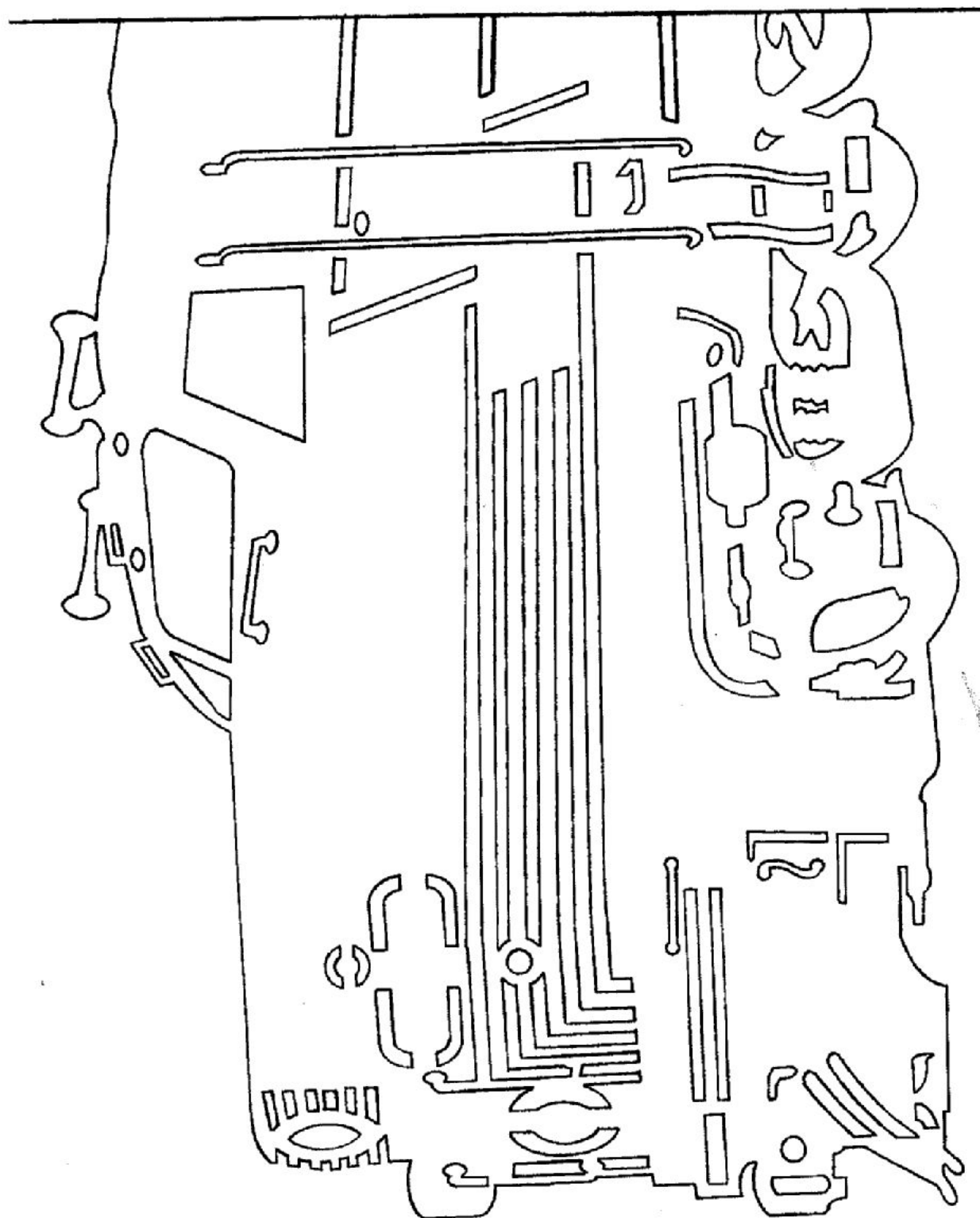
(built in 1887 by Rodgers)

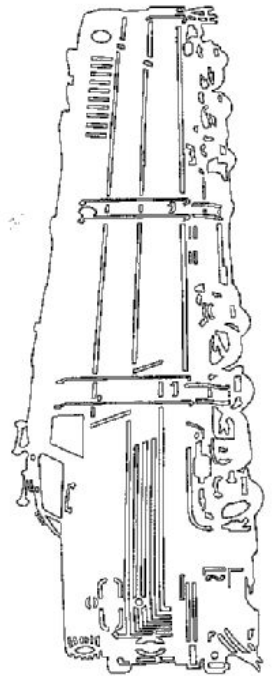
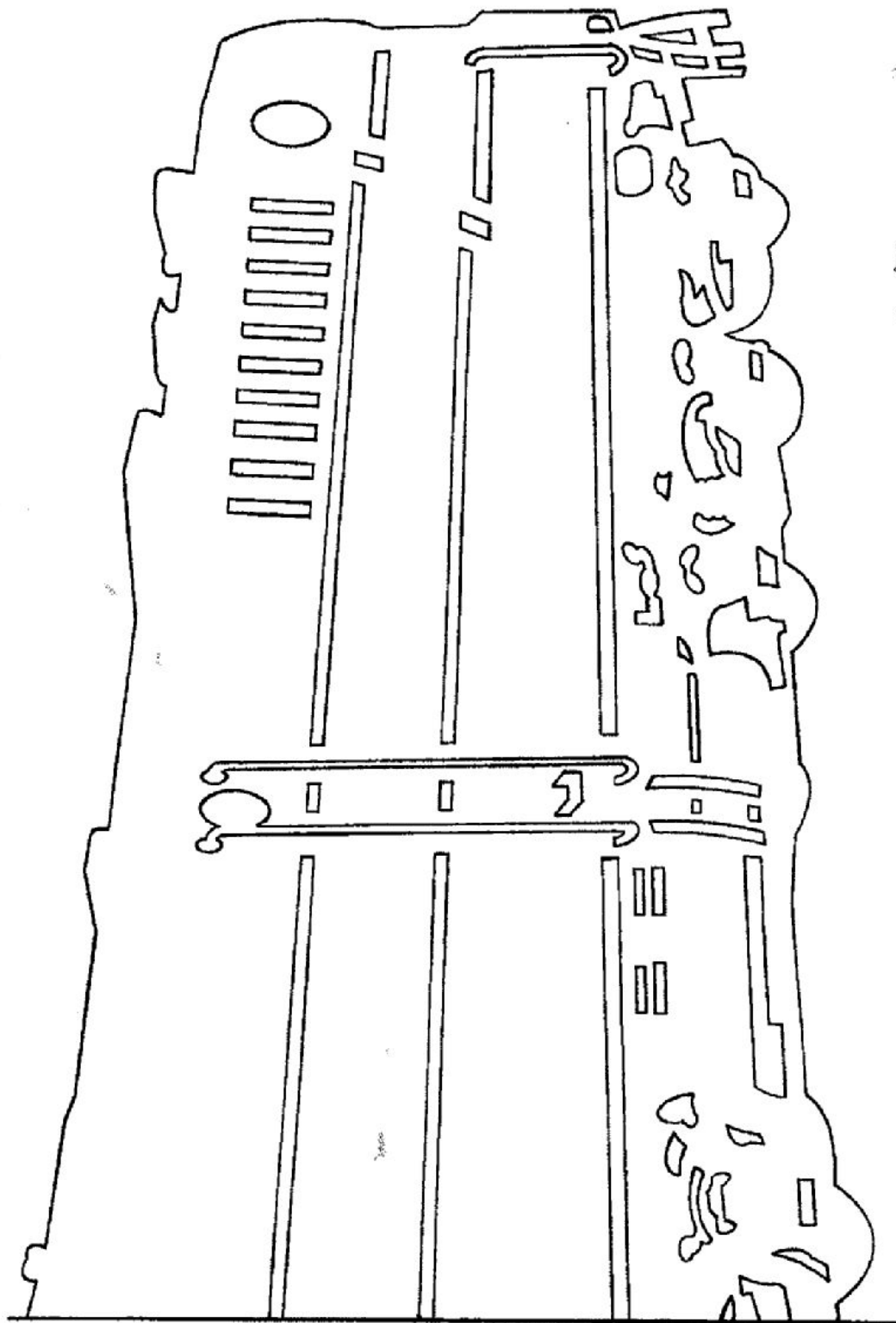




American Locomotive Co.

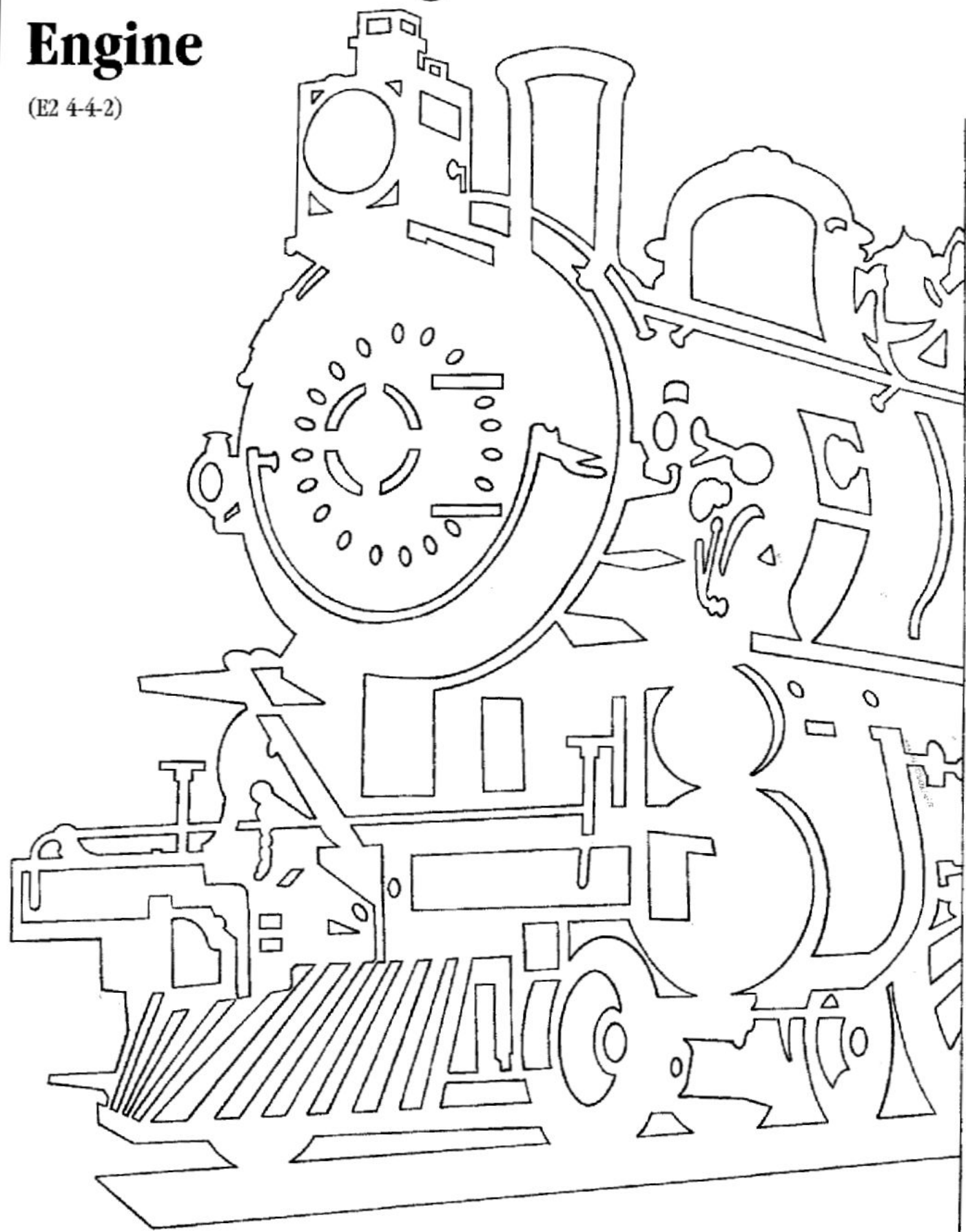
(1959 Diesel Passenger)

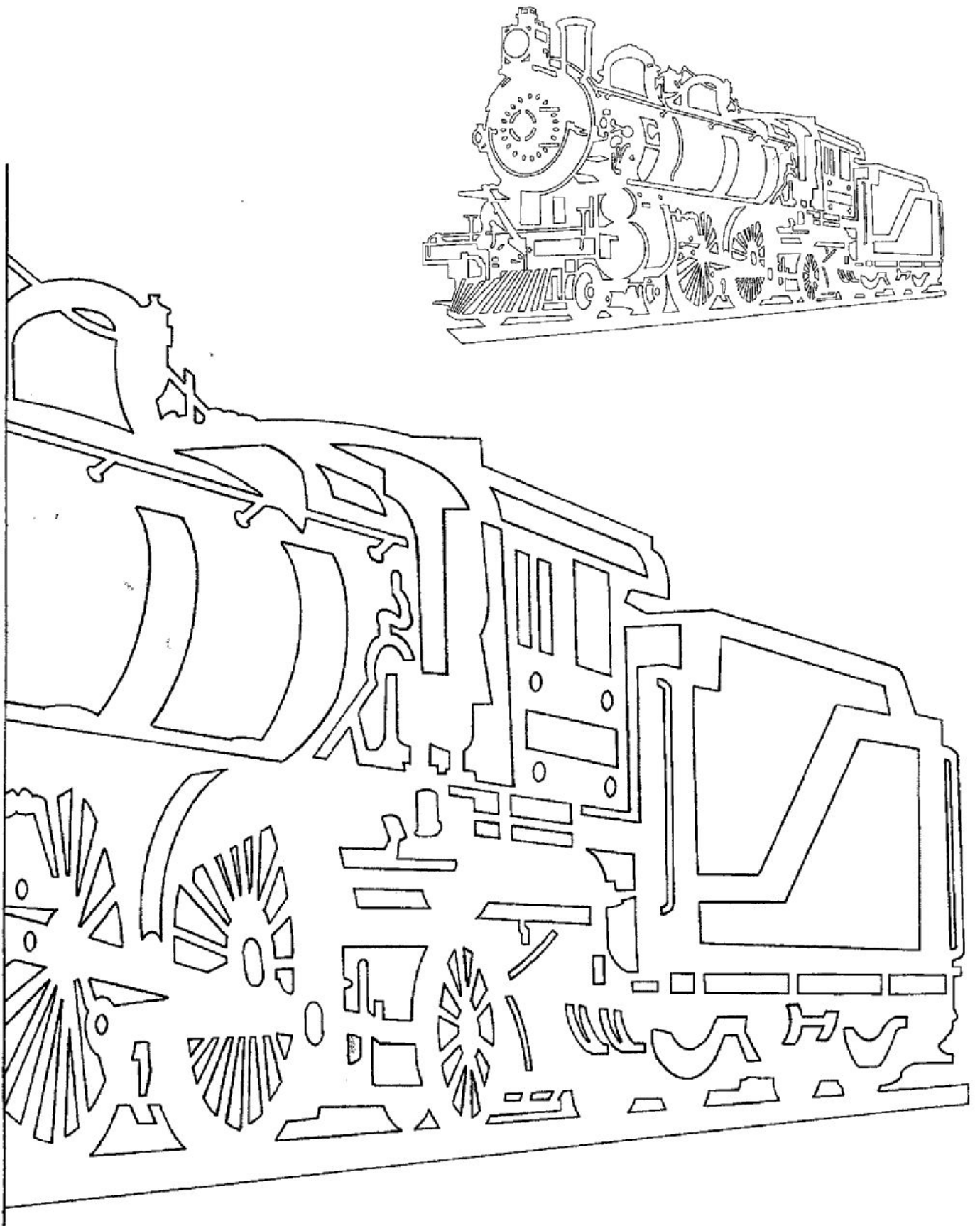




Atlantic Passenger Engine

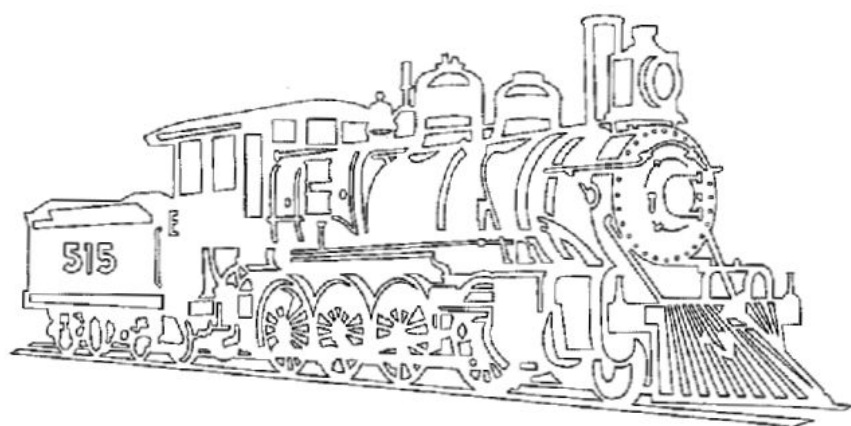
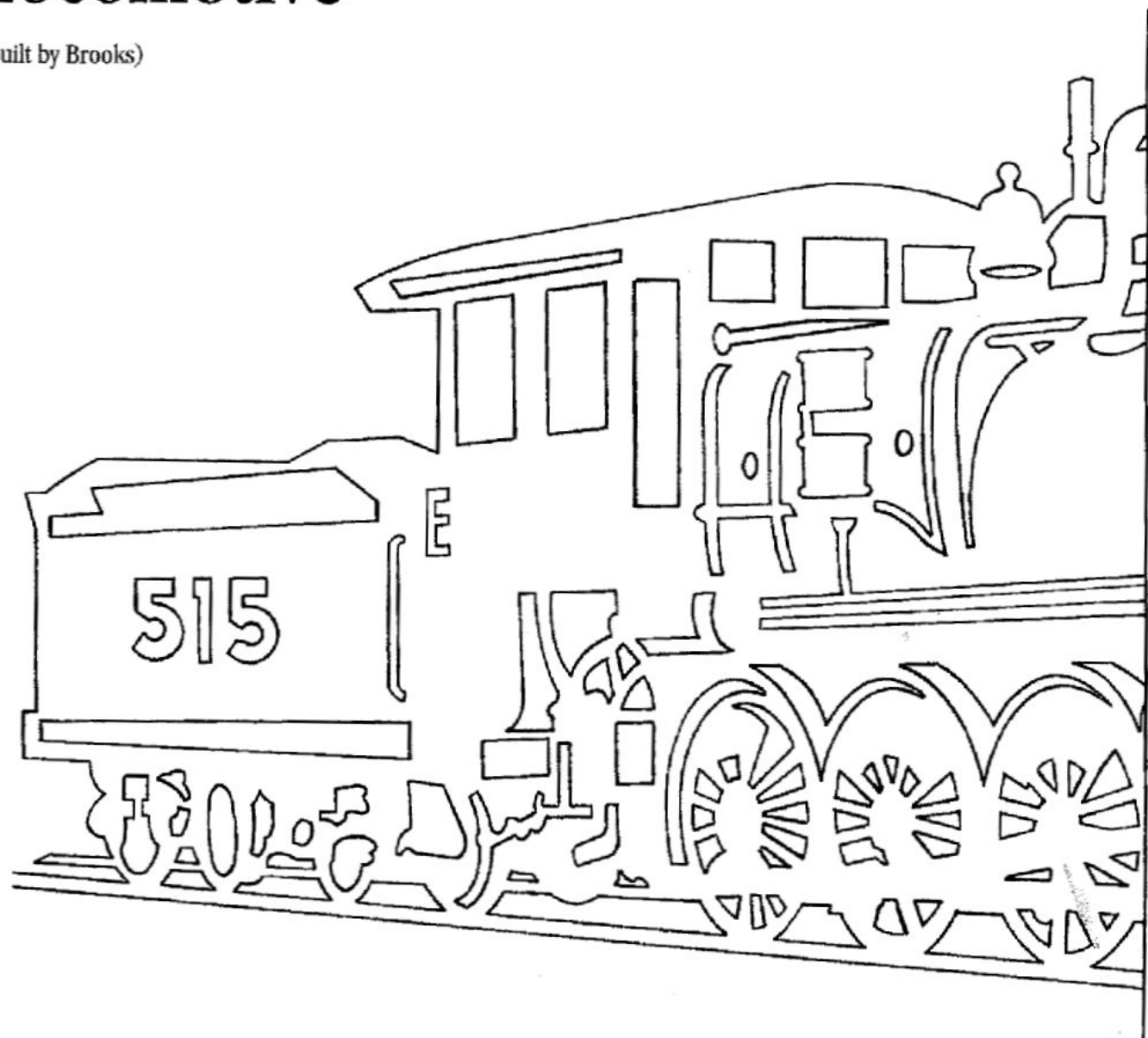
(E2 4-4-2)

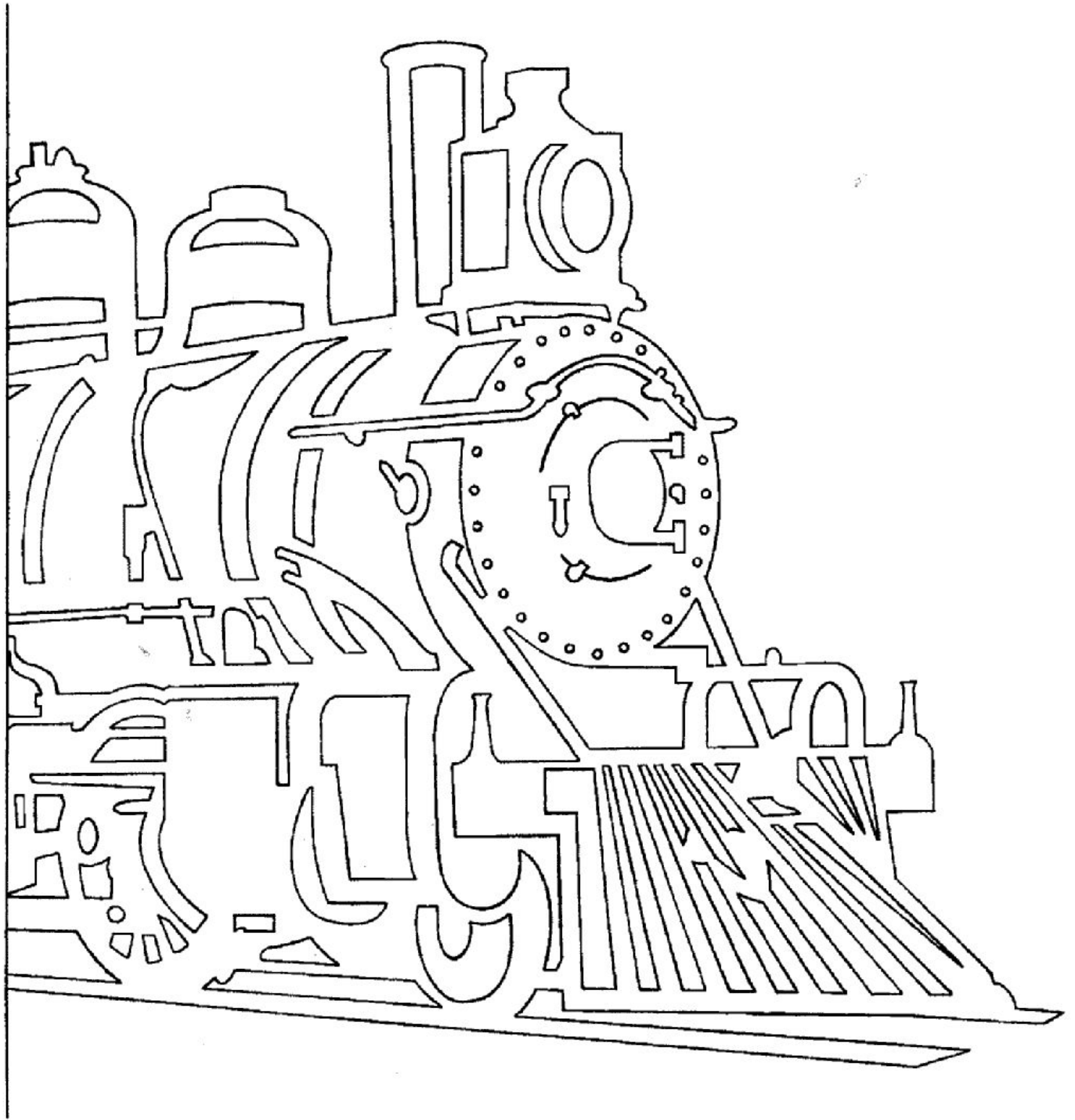




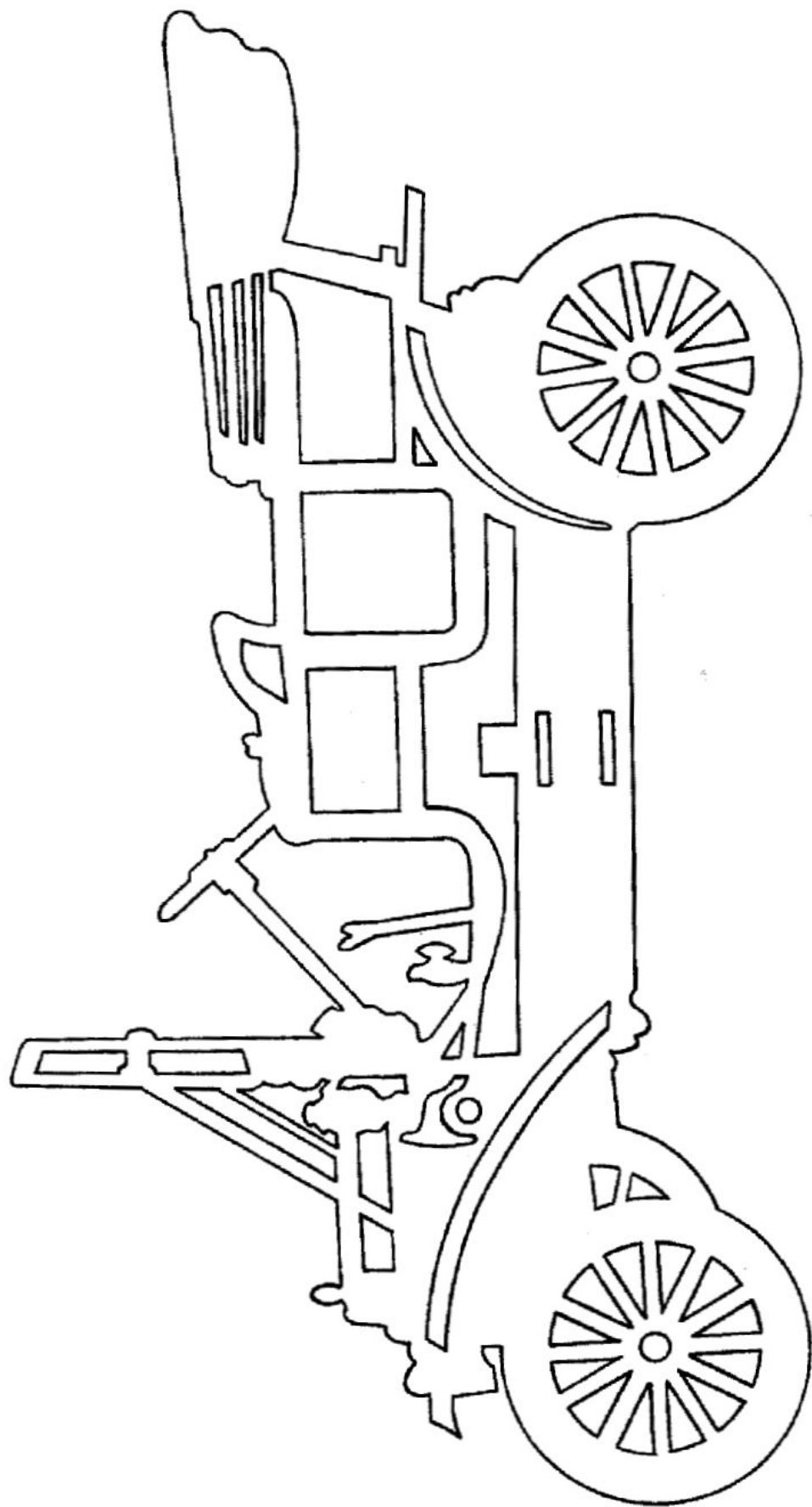
Consolidated Locomotive

(built by Brooks)



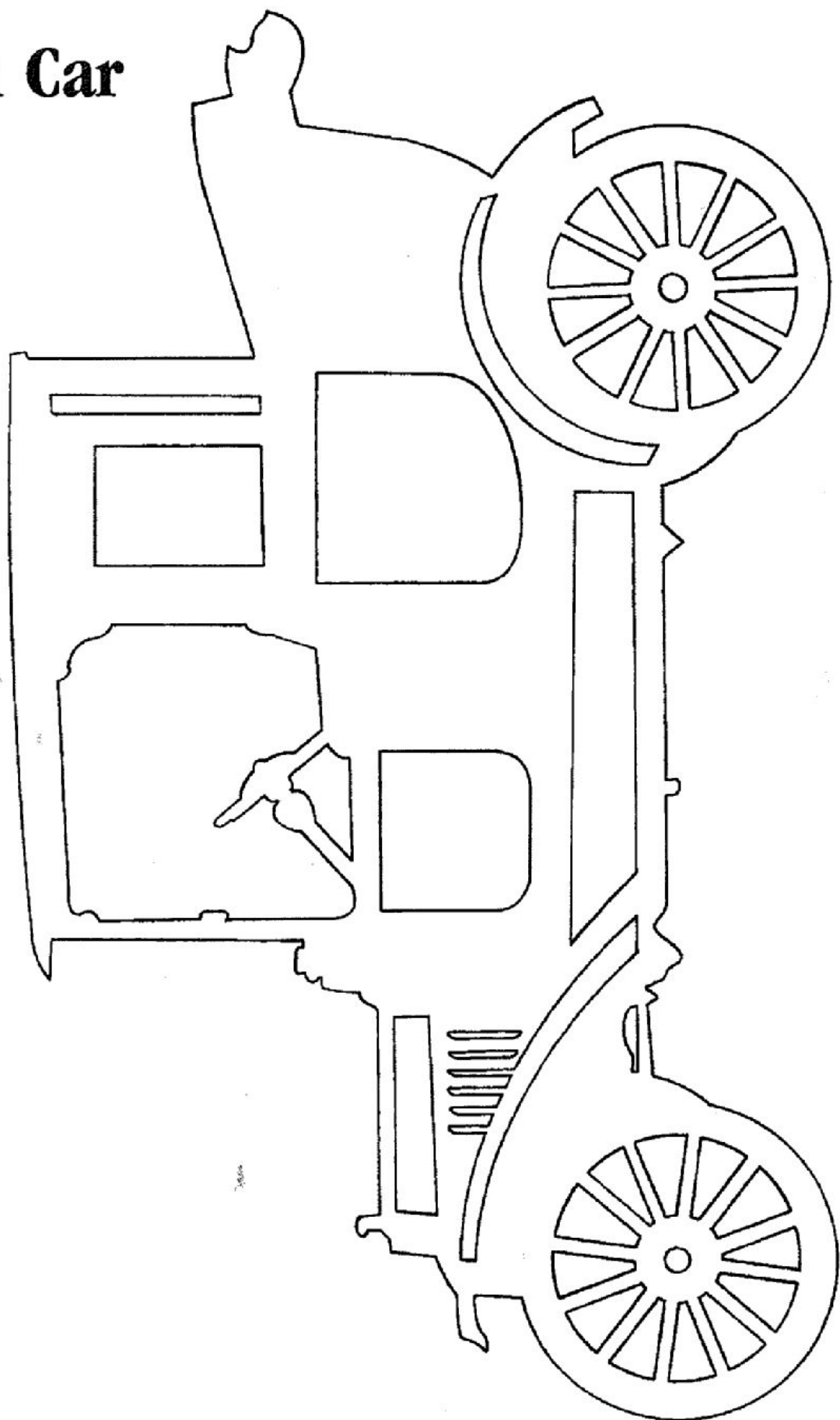


1911 Ford



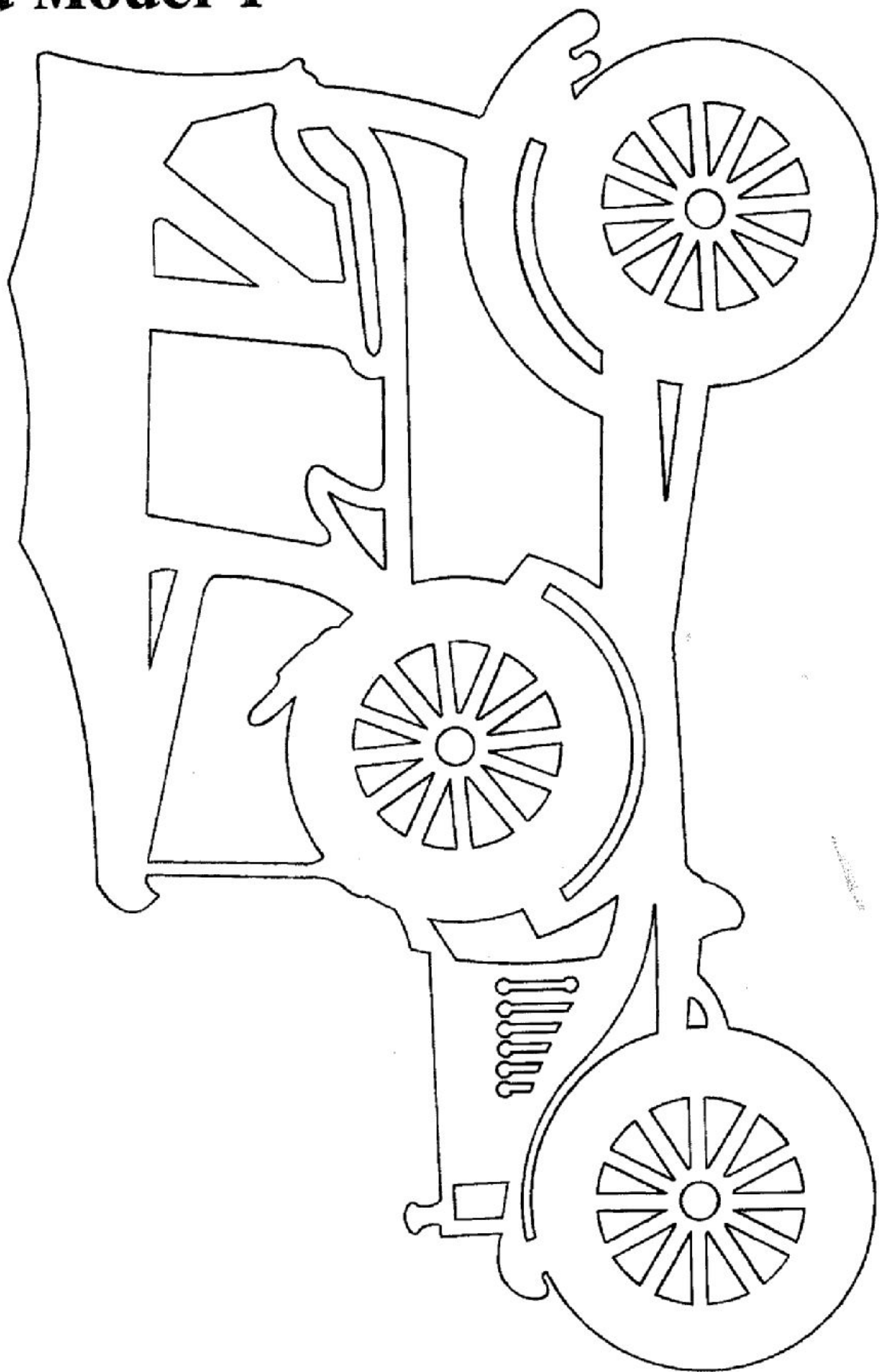
Ford Town Car

(1915)



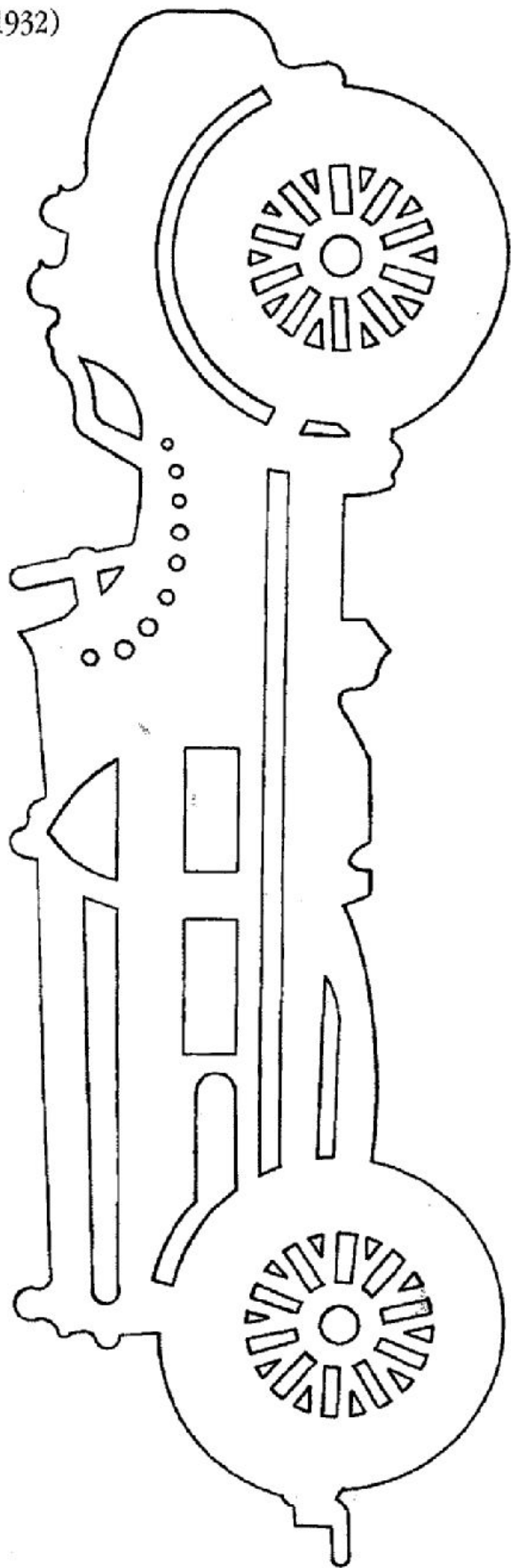
Ford Model T

(1915)



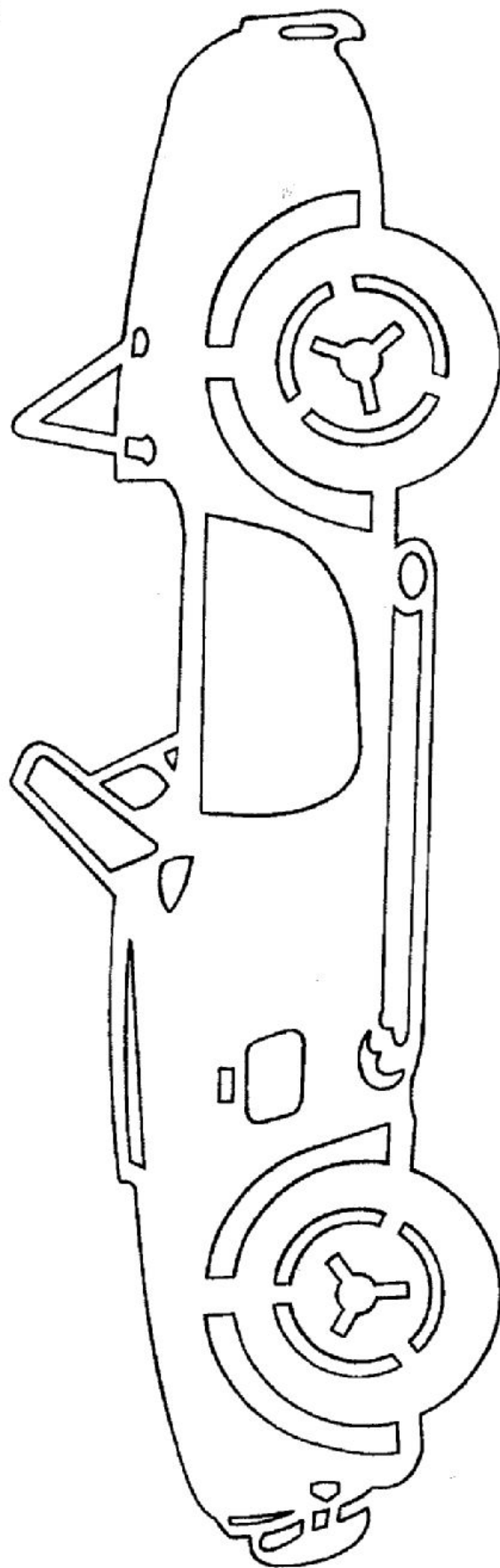
Alfa Romeo

(1932)



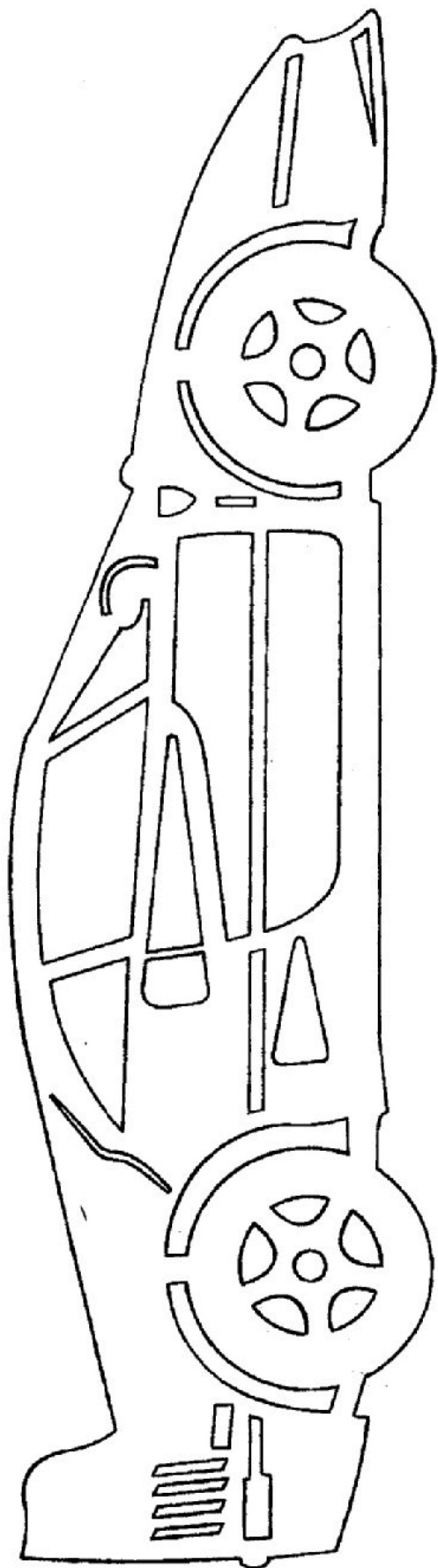
427 Cobra

(1960)



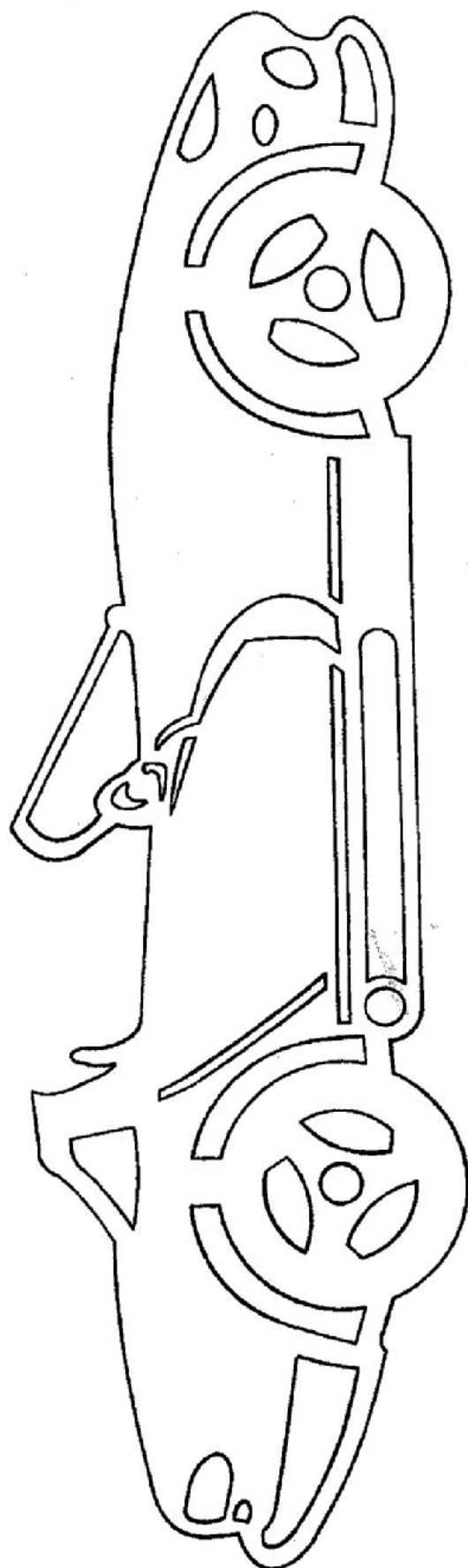
Ferrari F 40

(1990)



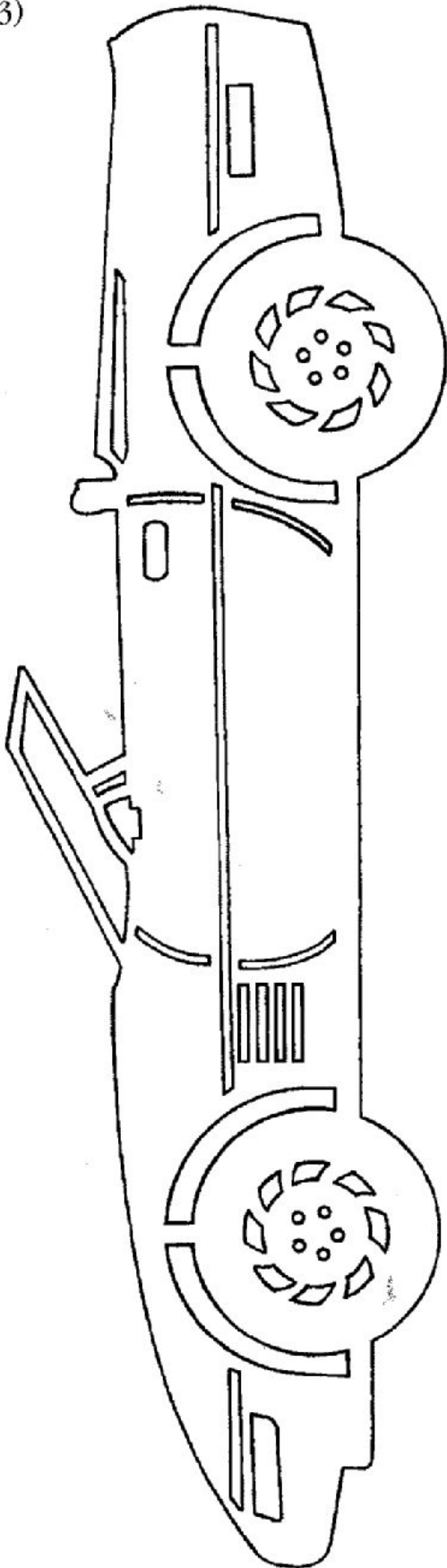
Dodge Viper

(1992)



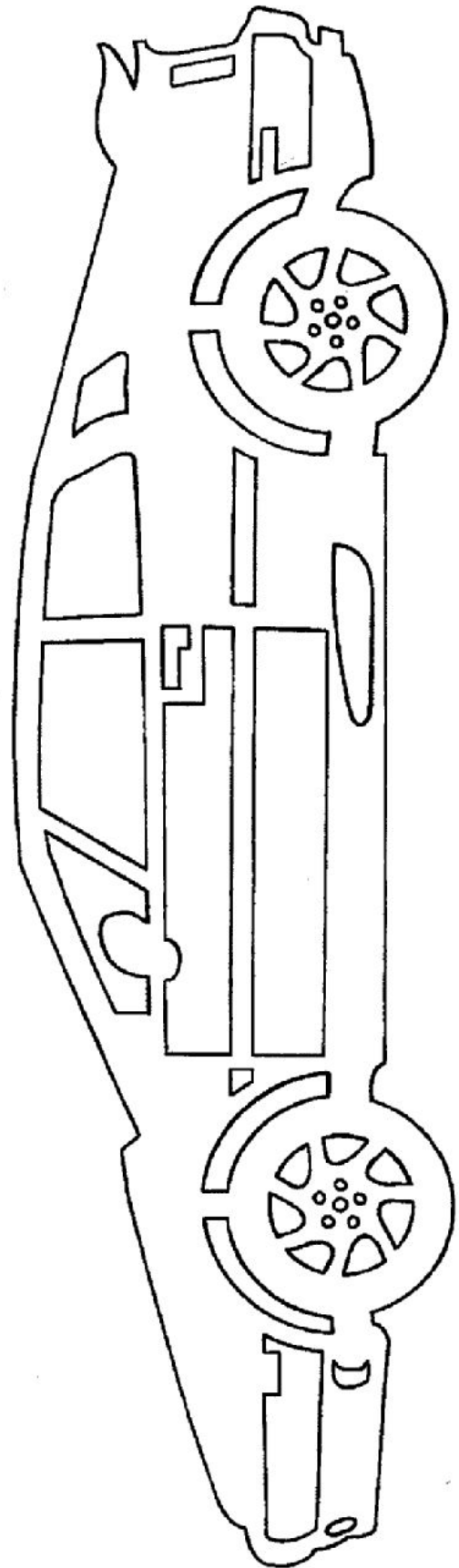
Corvette

(1993)



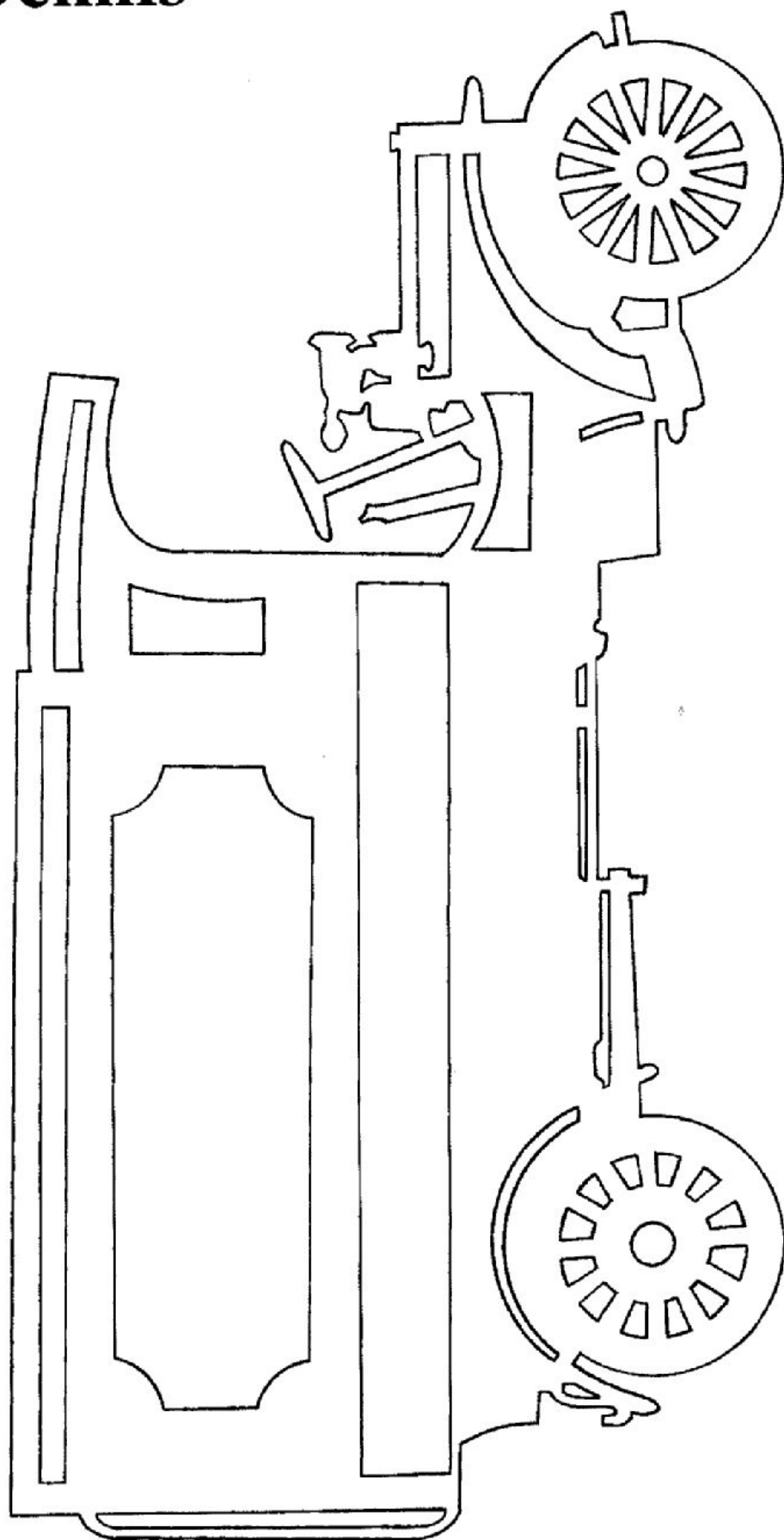
Lotus Espirit Turbo

SE

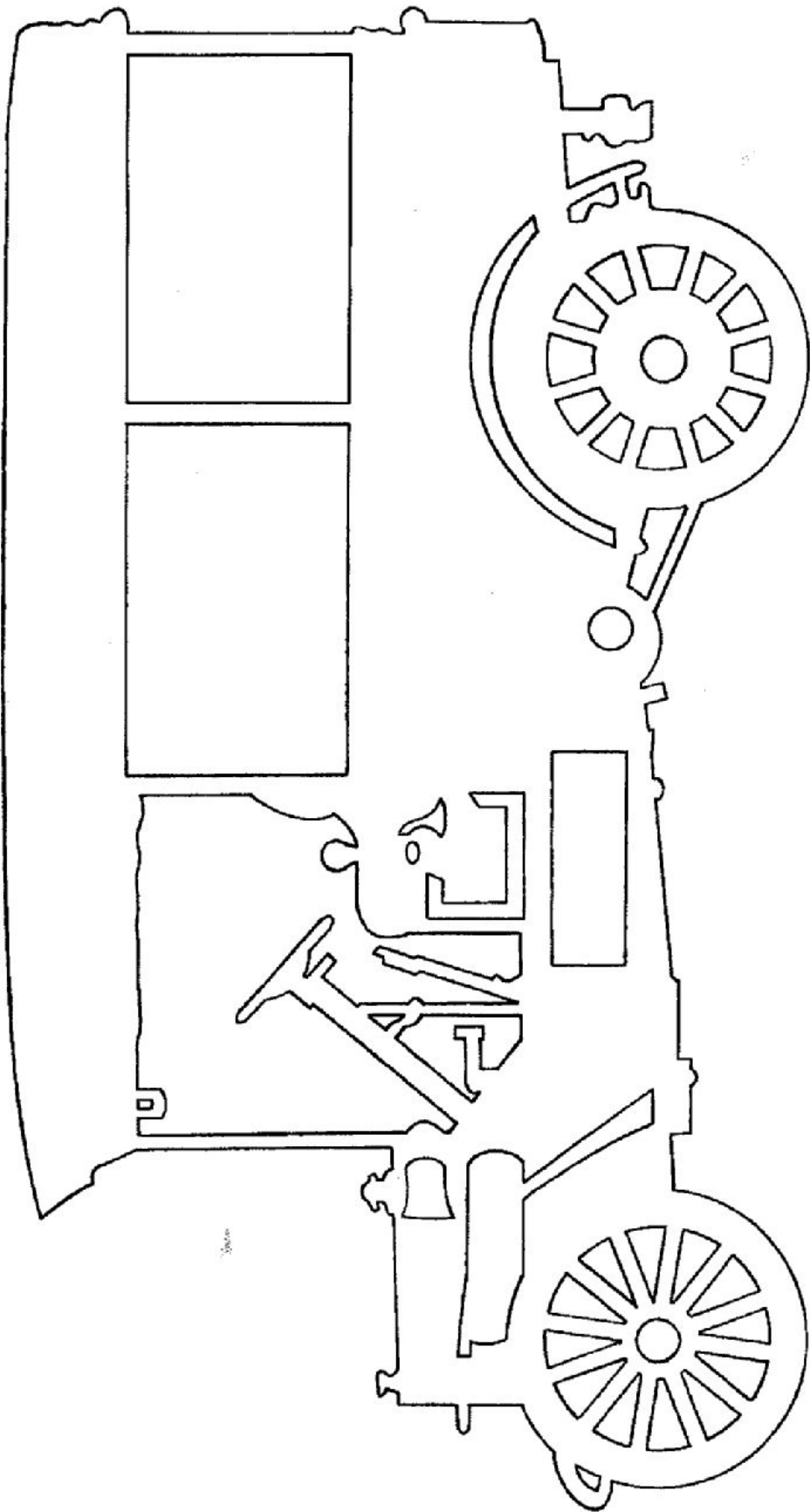


1907 Dennis

(2½ Ton Van)



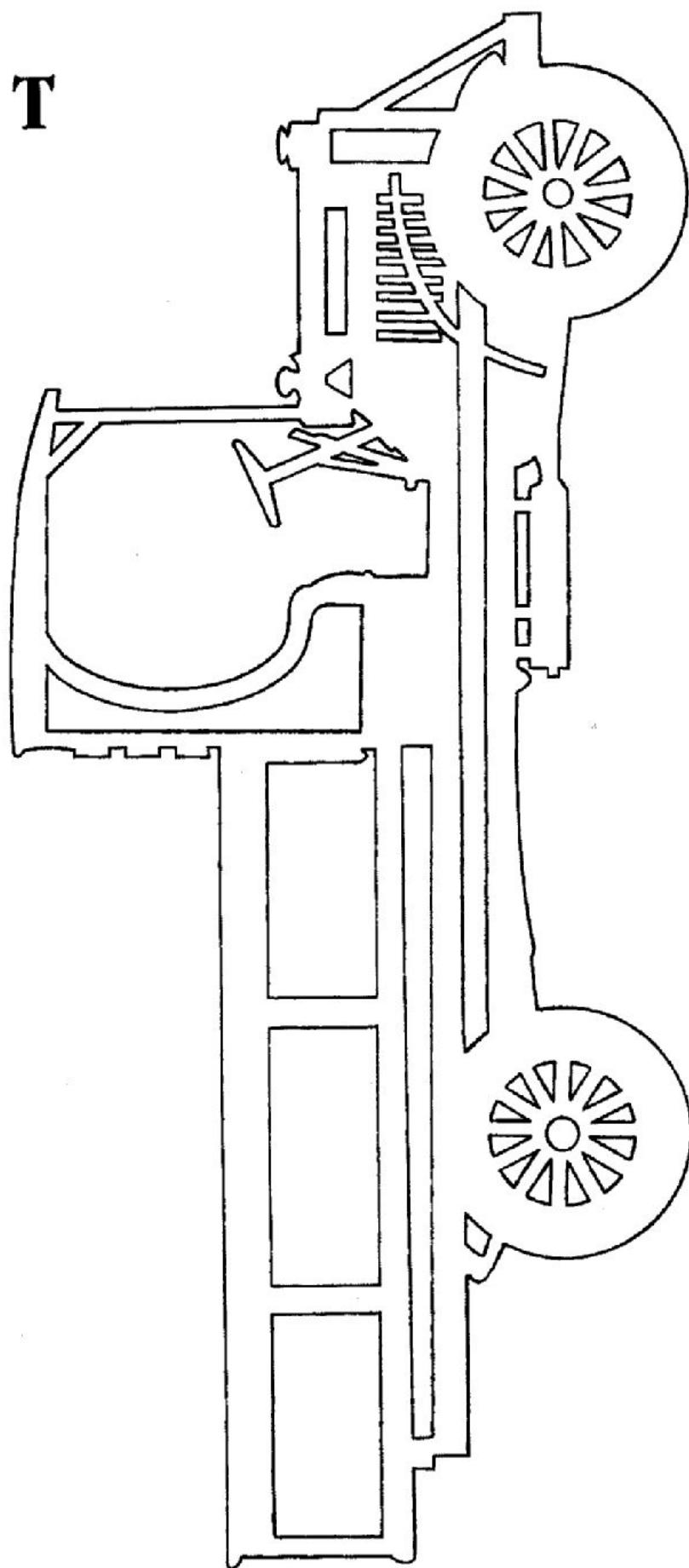
1910 Mack Junior



1921

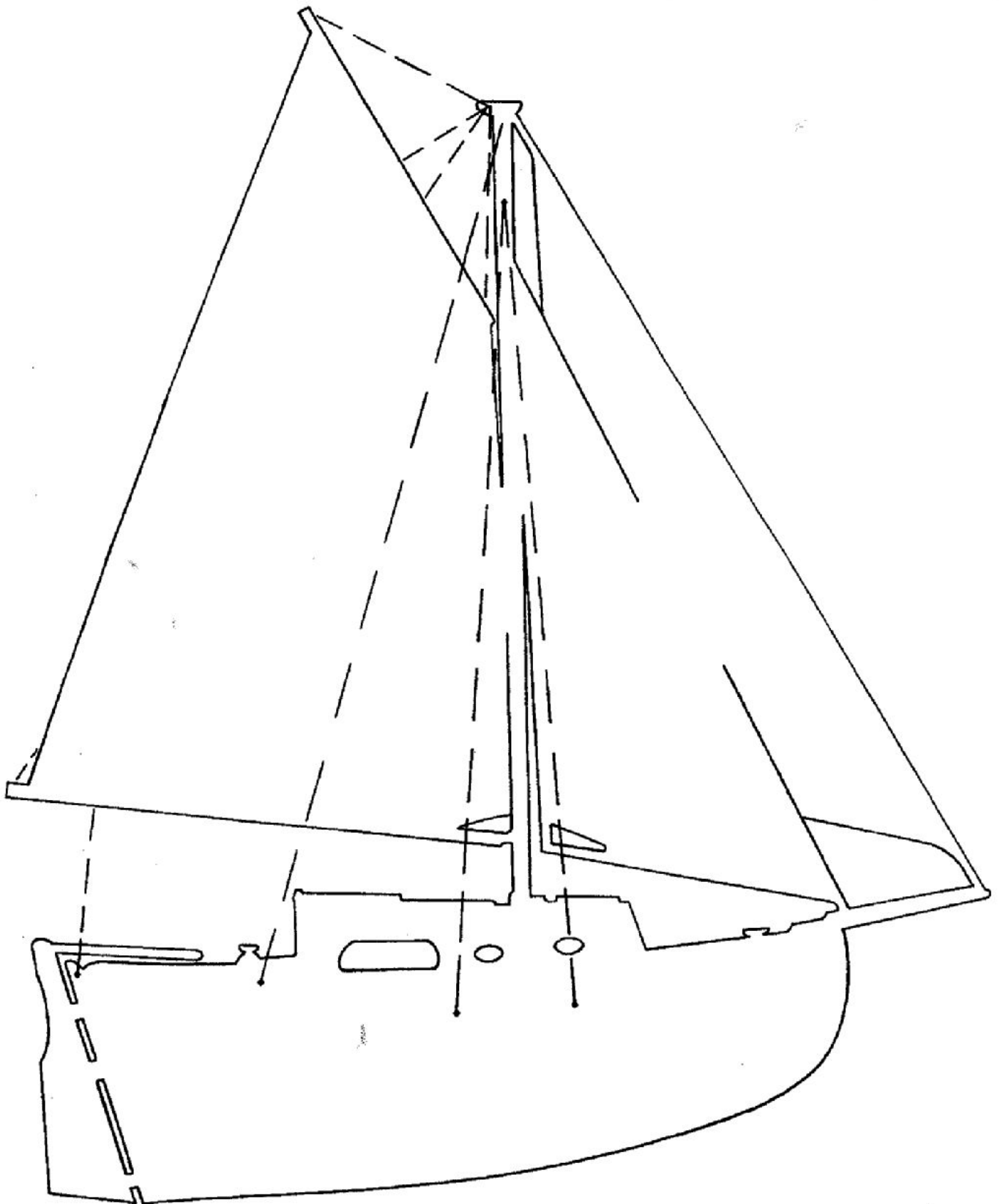
Diamond T

(1½ Ton)



Flicka

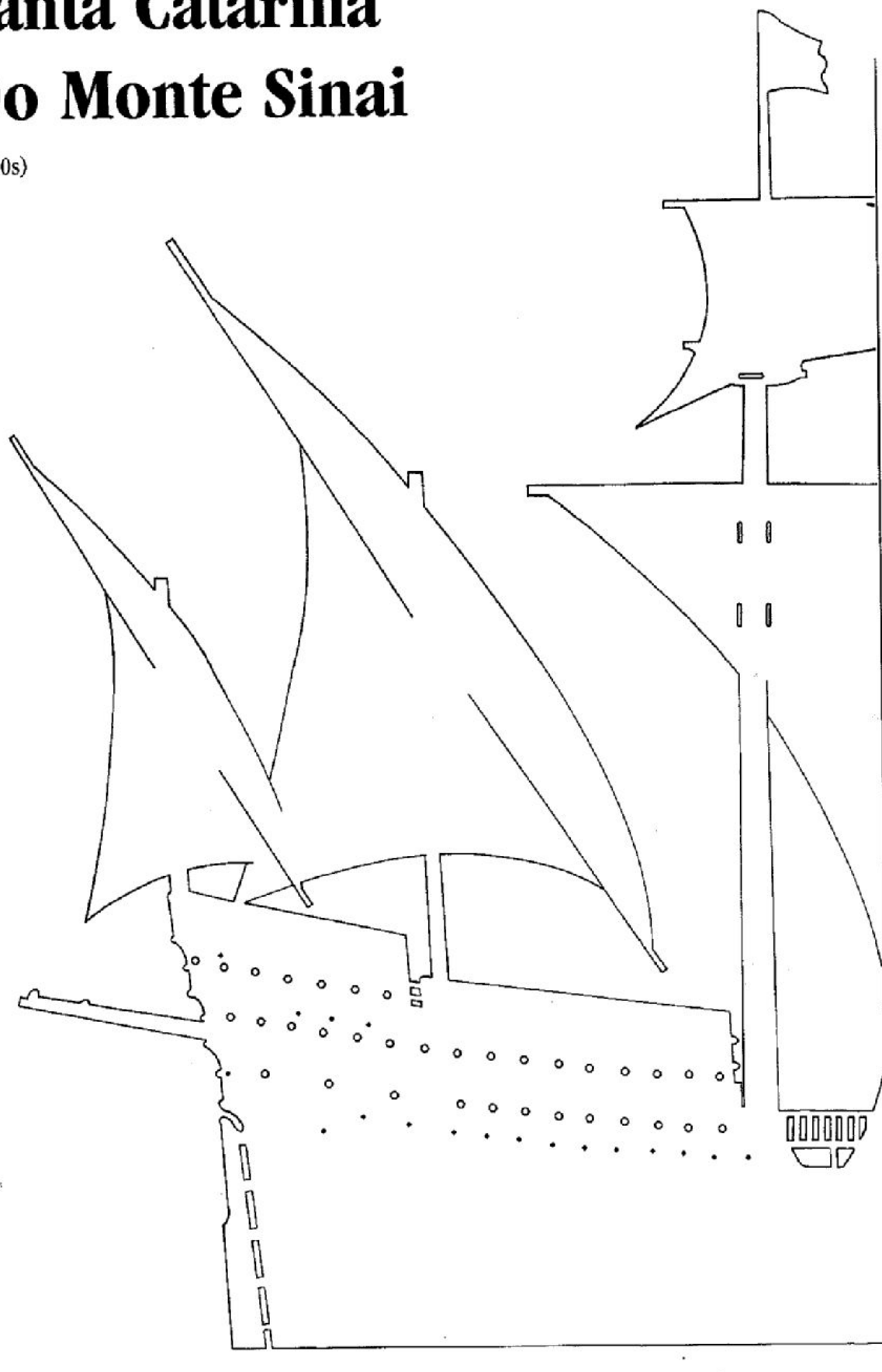
(Pocket Cruiser)

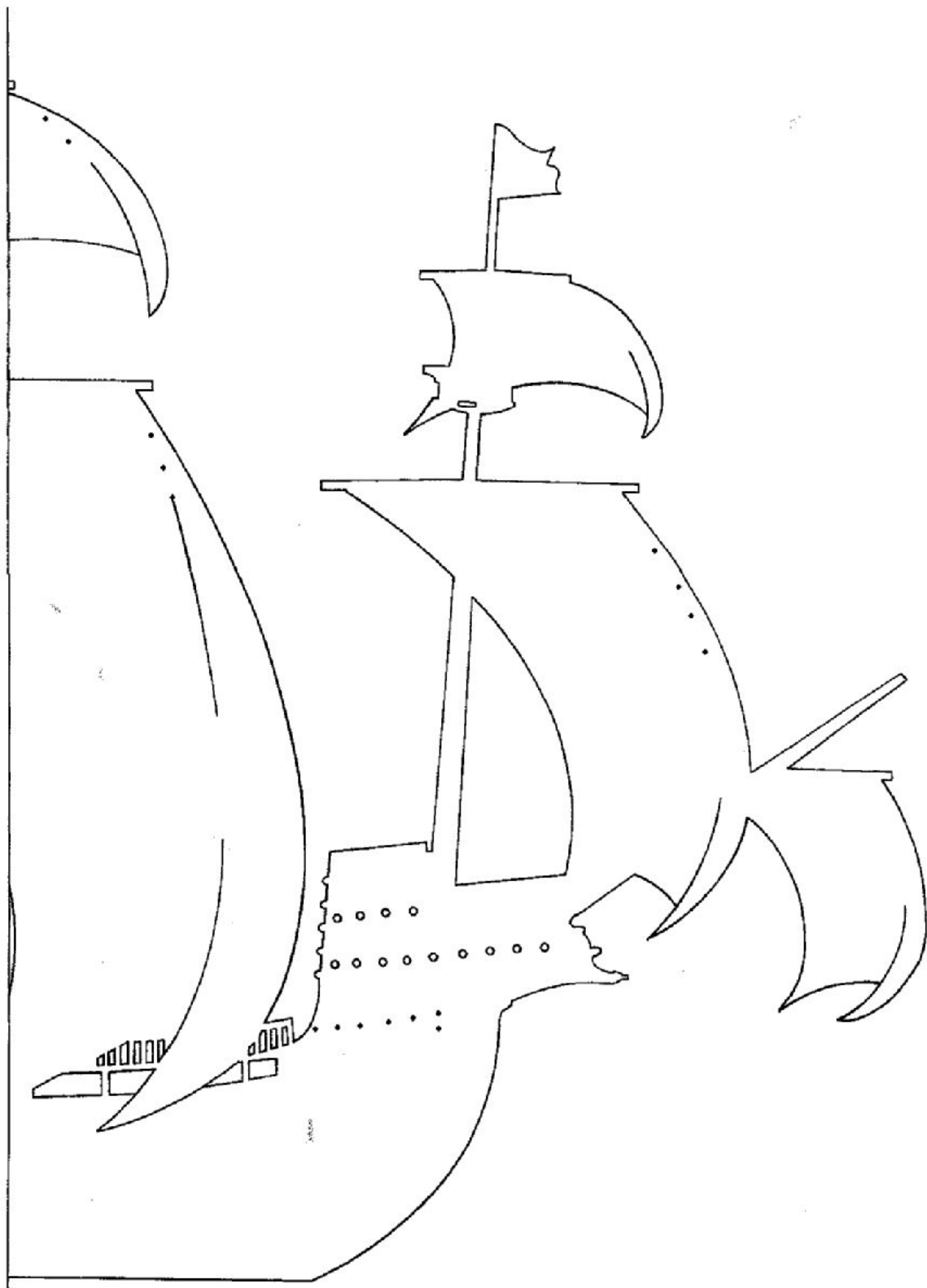


Broken lines represent stringing diagram

Santa Catarina Do Monte Sinai

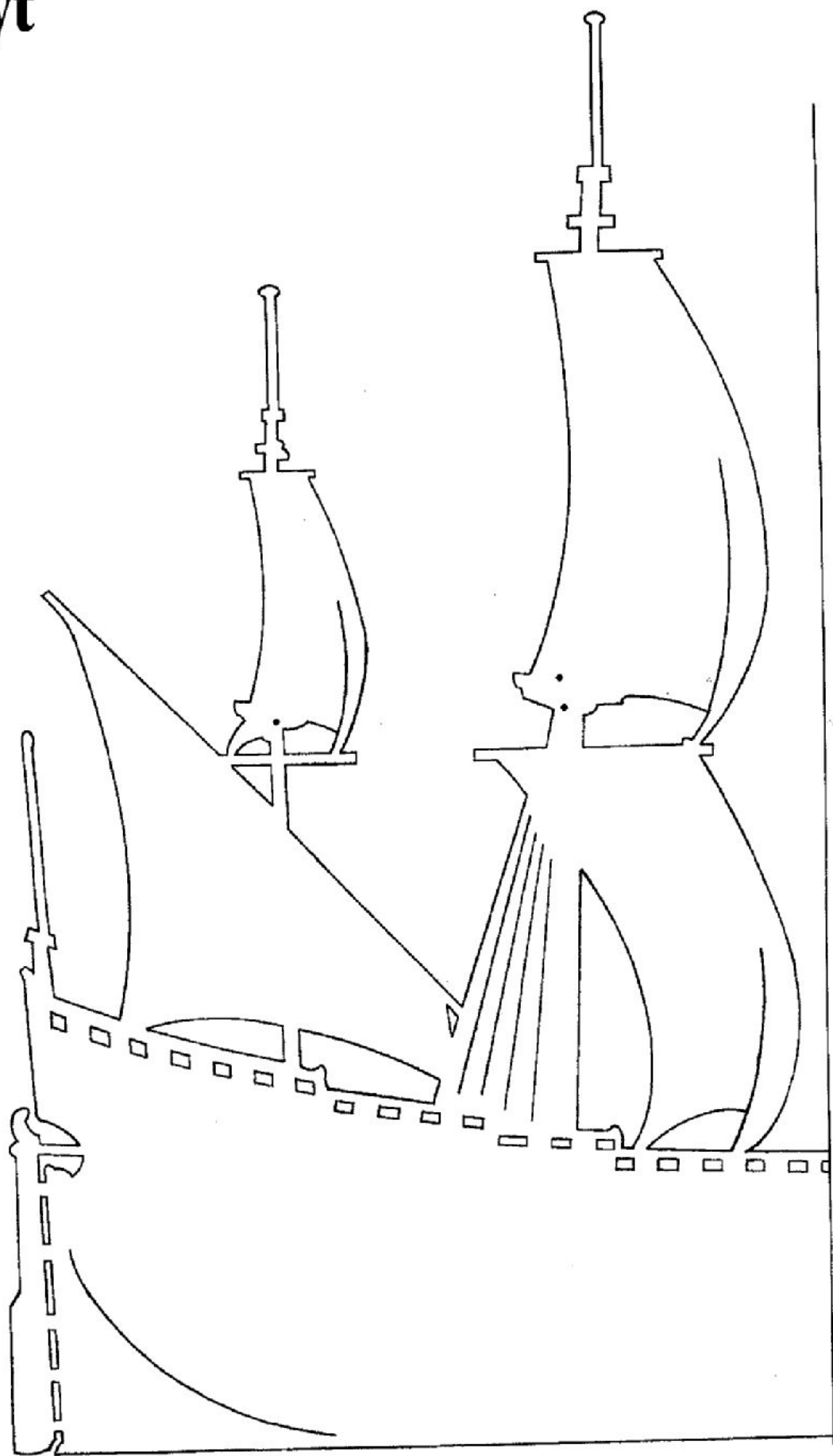
(1520s)

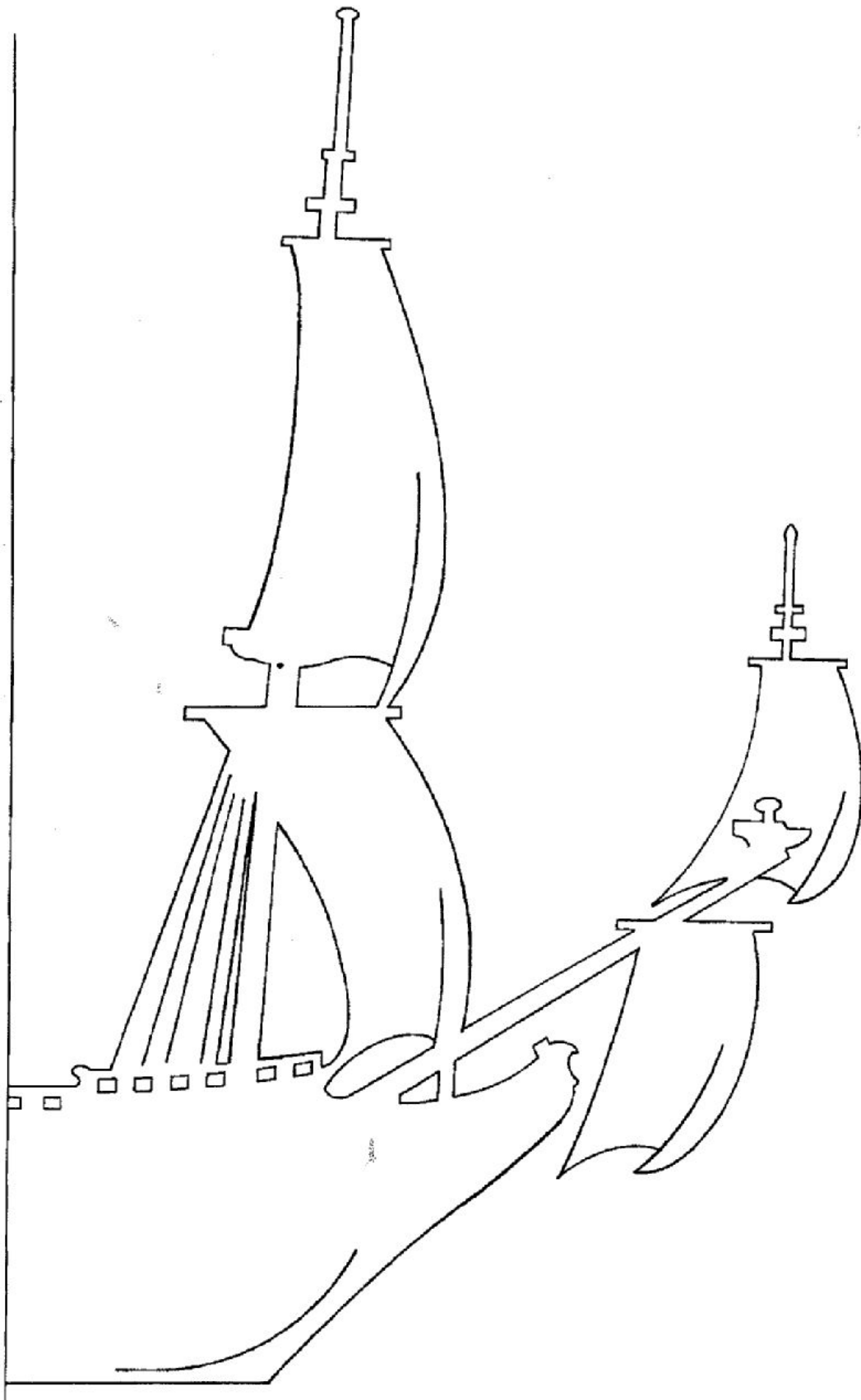




See Inside Front Cover for complete view and stringing diagram.

Fluyt

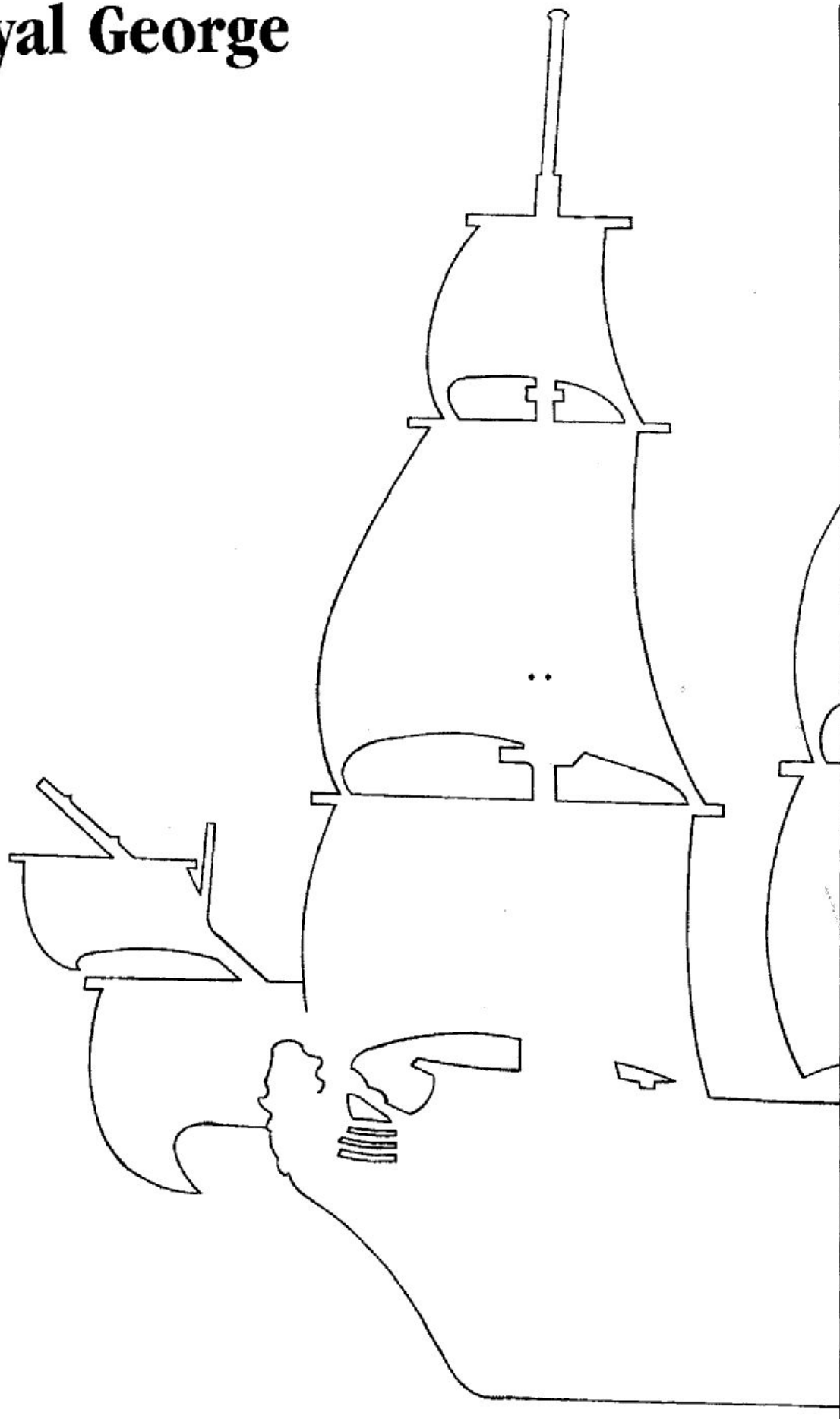


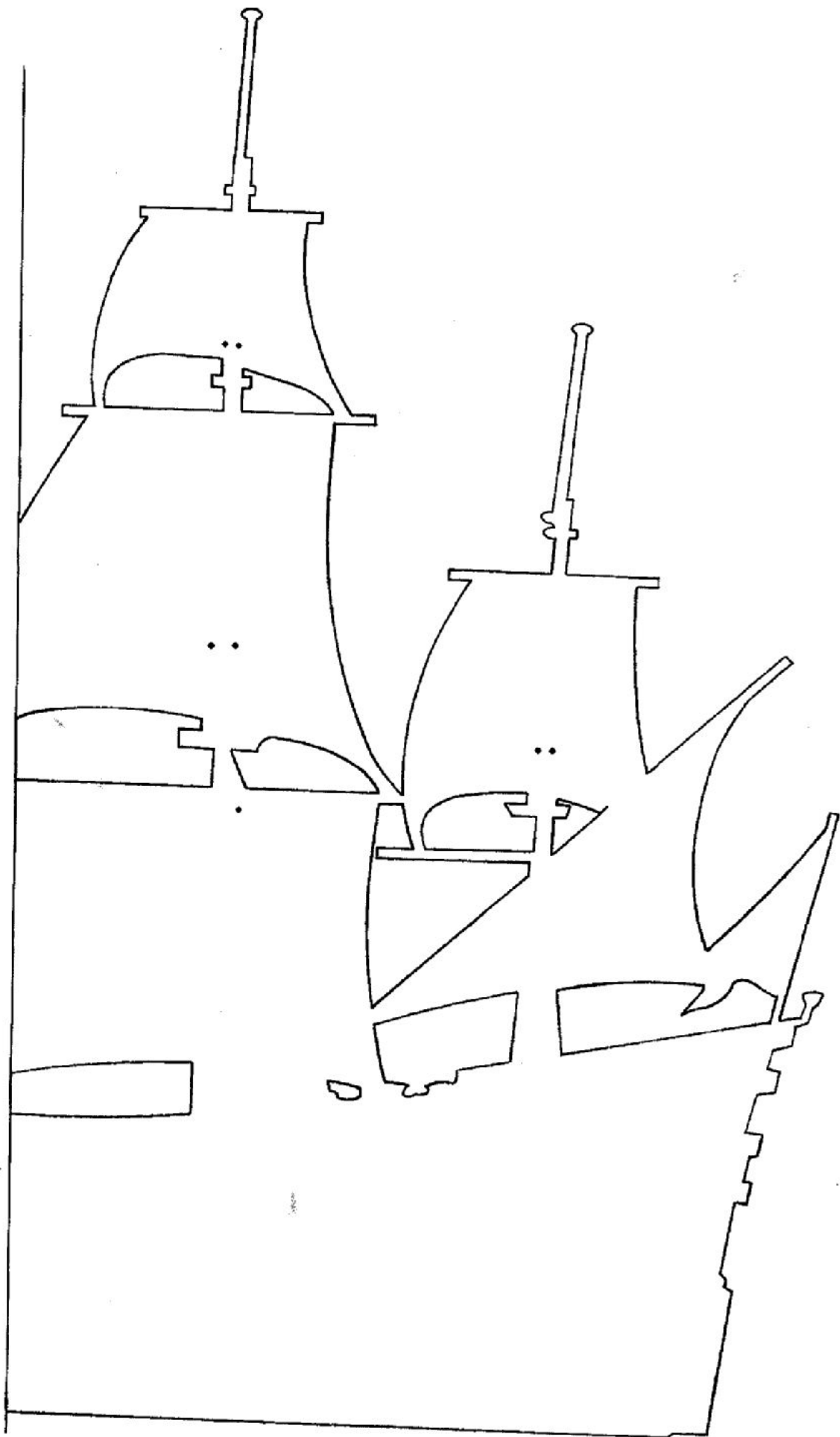


See Inside Front Cover for complete view and stringing diagram.

Royal George

1756

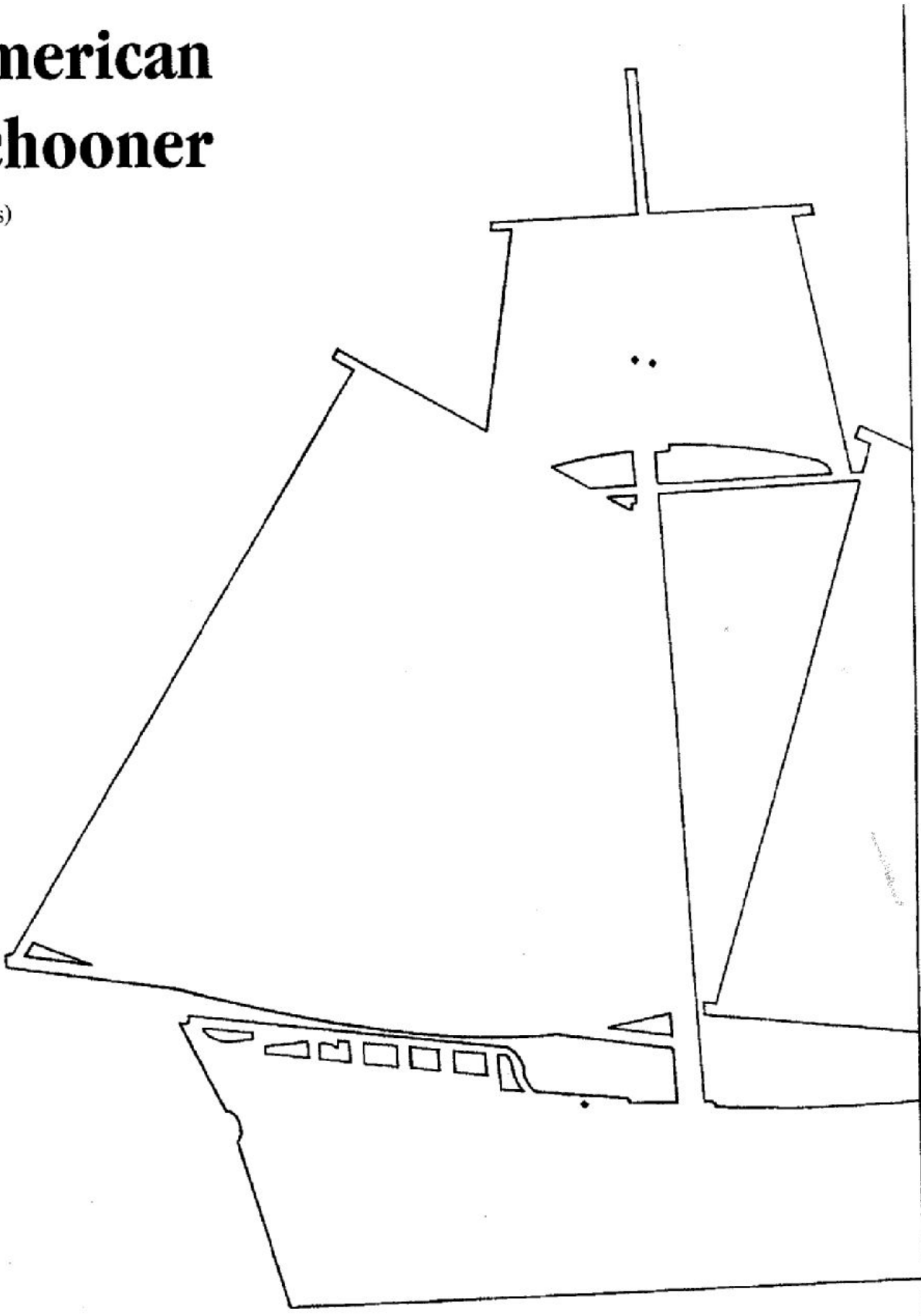


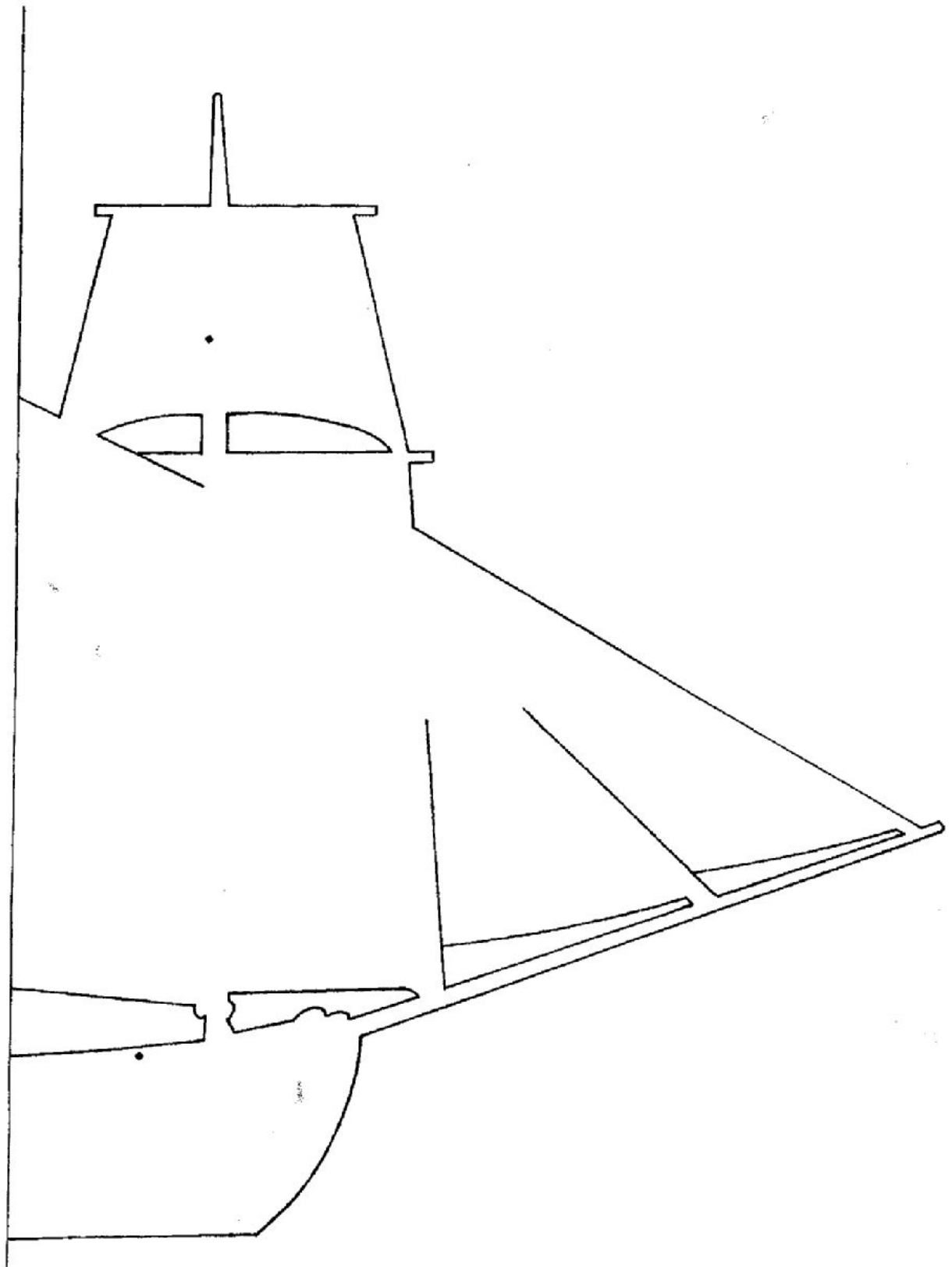


See Inside Front Cover for complete view and stringing diagram.

Small American Schooner

(1760s)

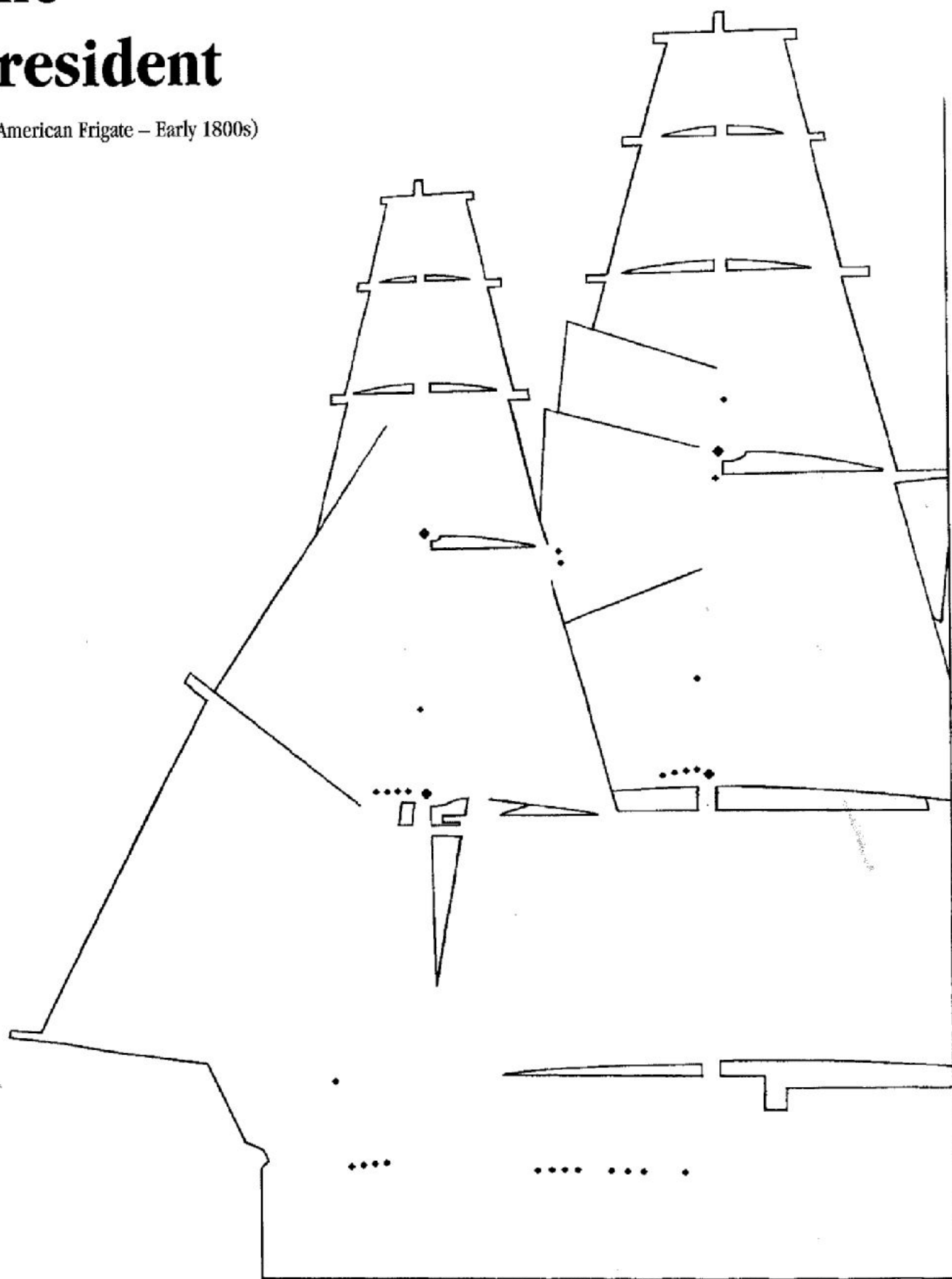


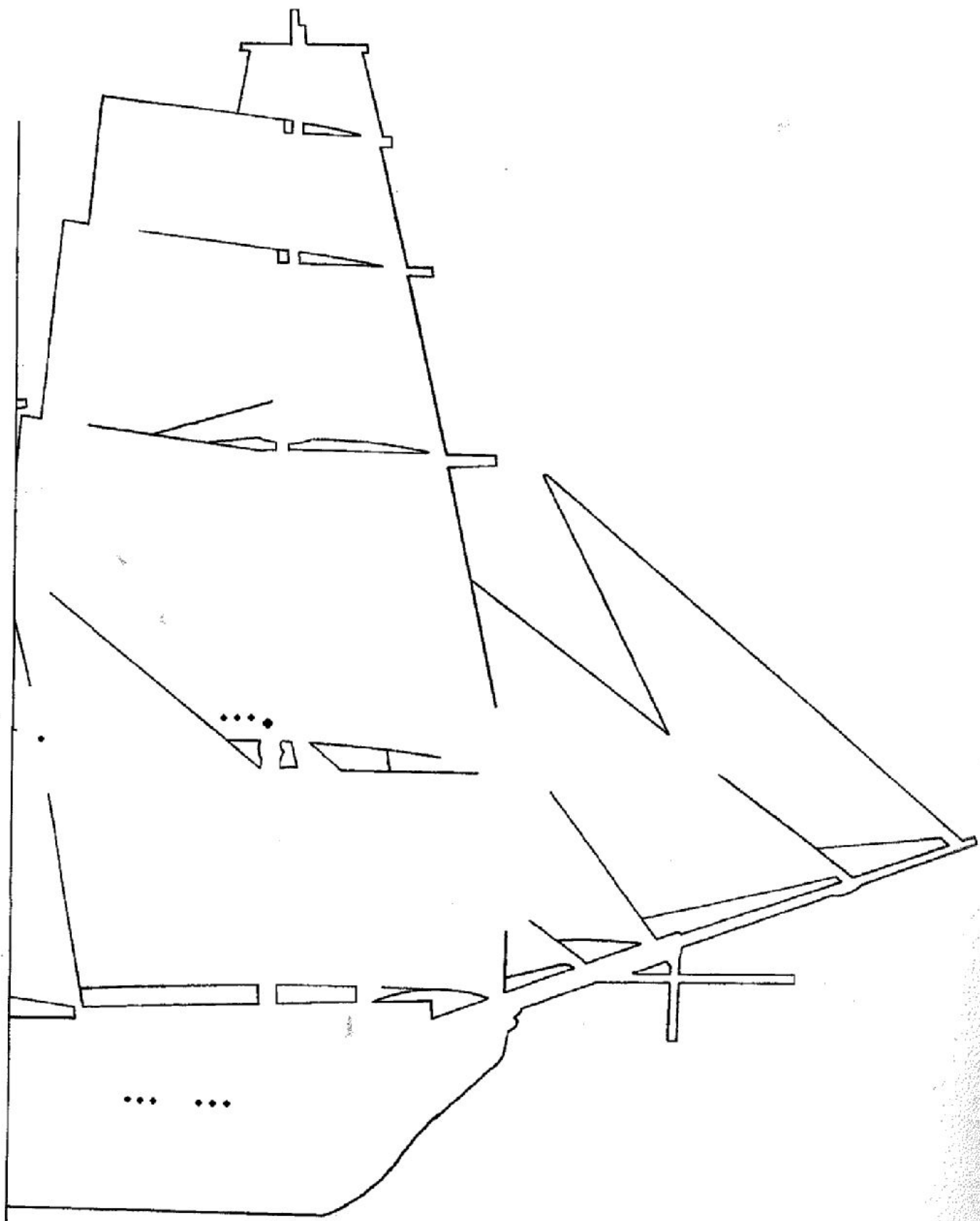


See Inside Back Cover for complete view and stringing diagram.

The President

(An American Frigate – Early 1800s)

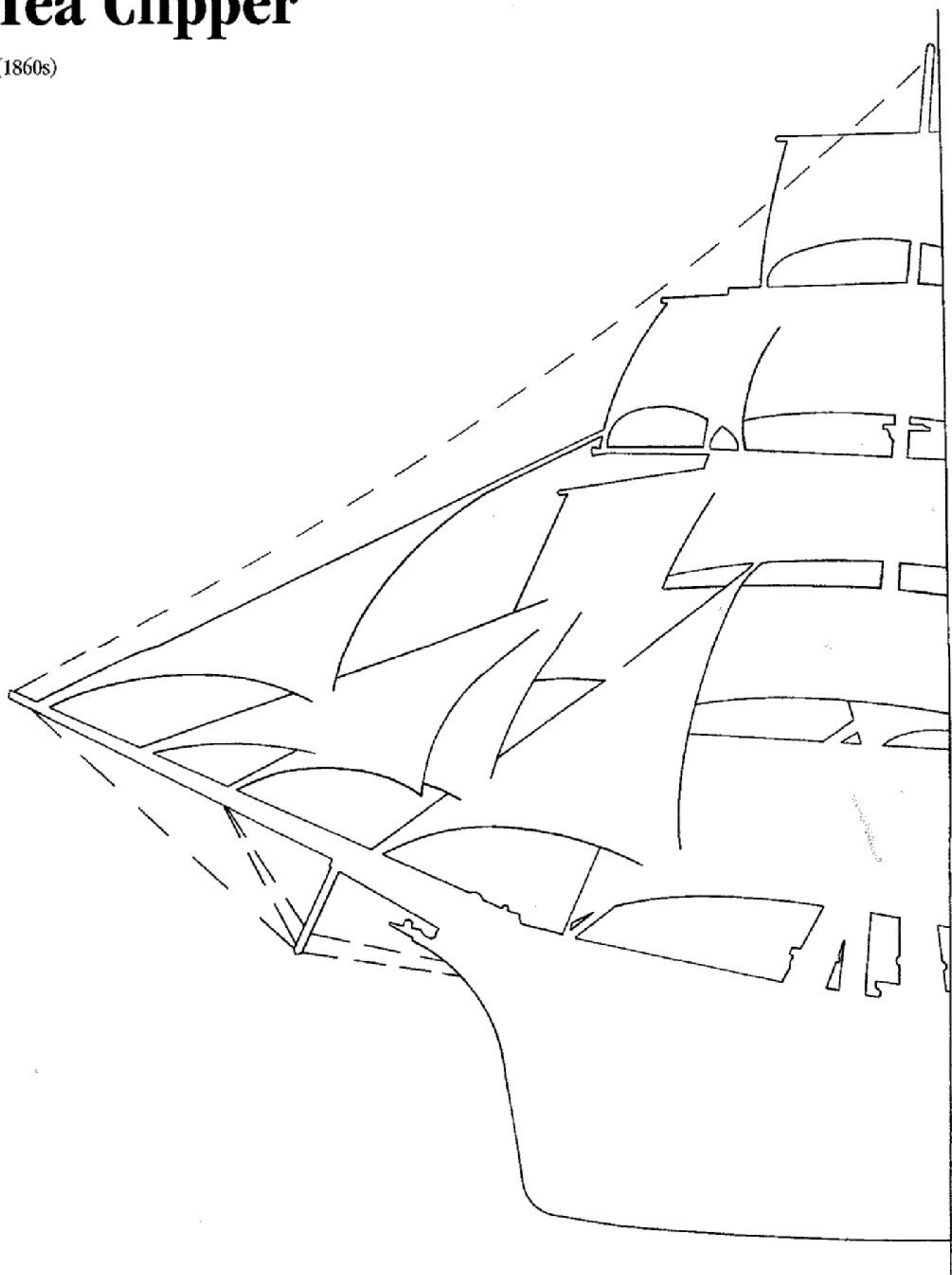


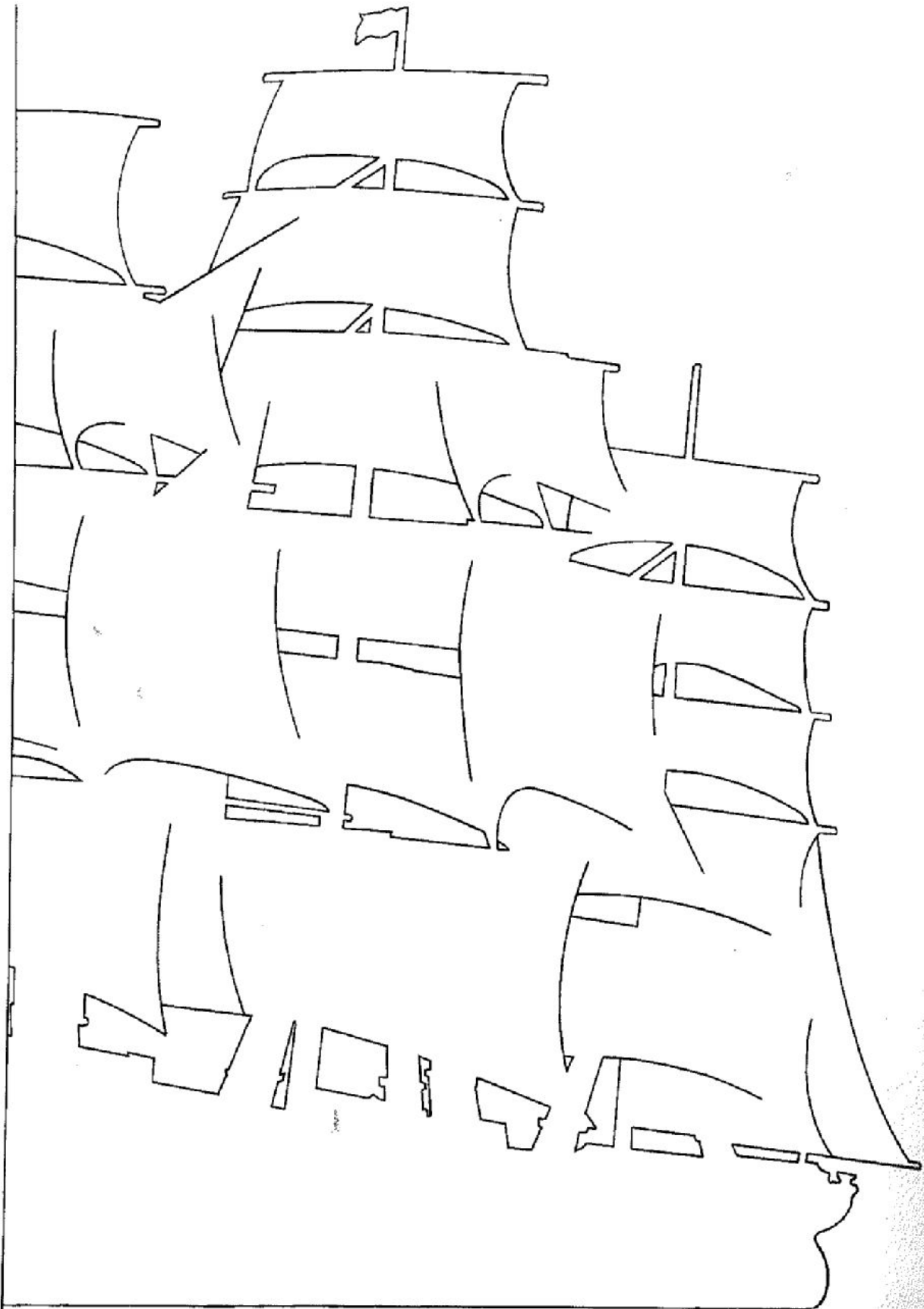


See Inside Back Cover for complete view and stringing diagram.

Tea Clipper

(1860s)

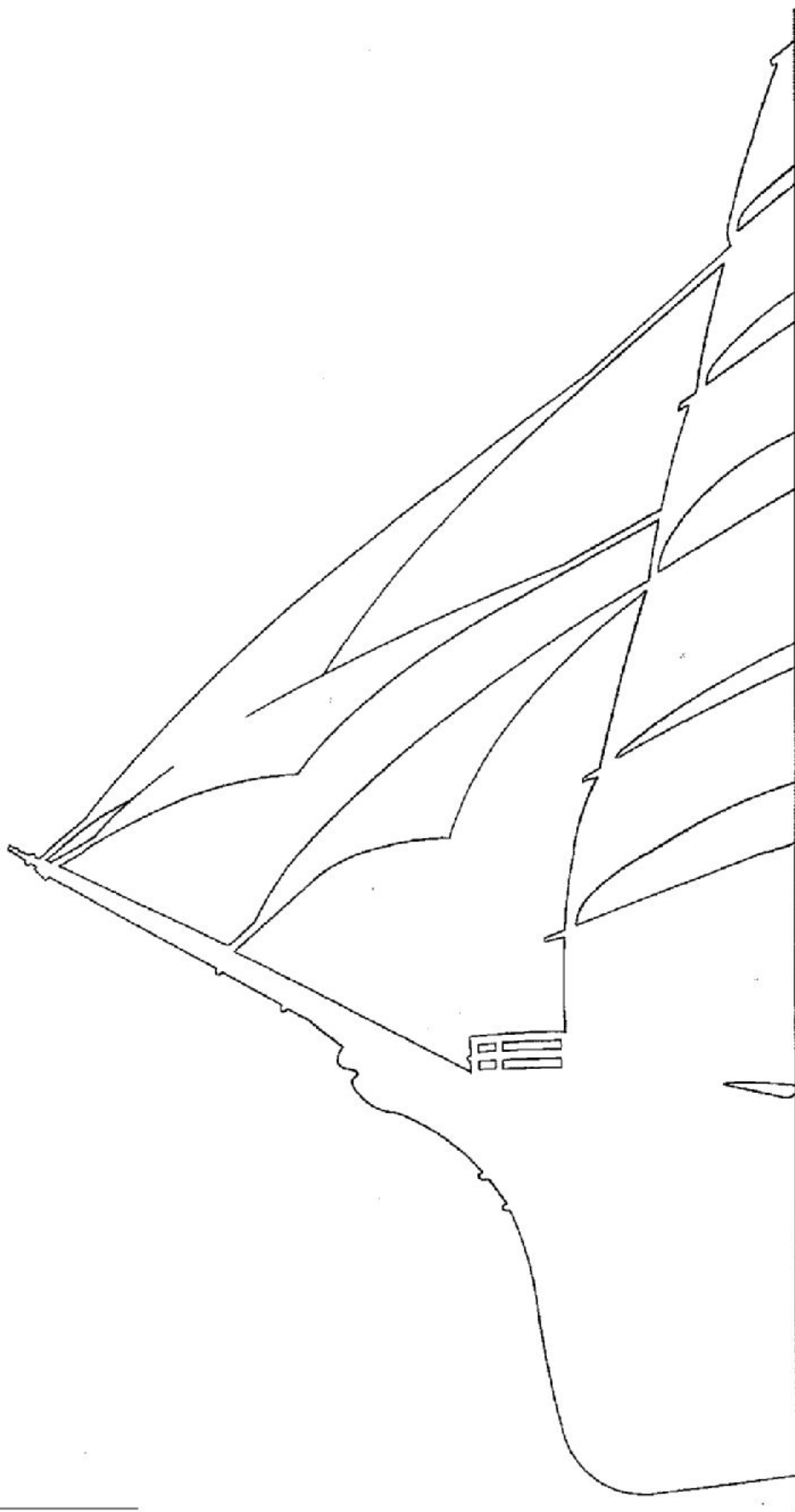


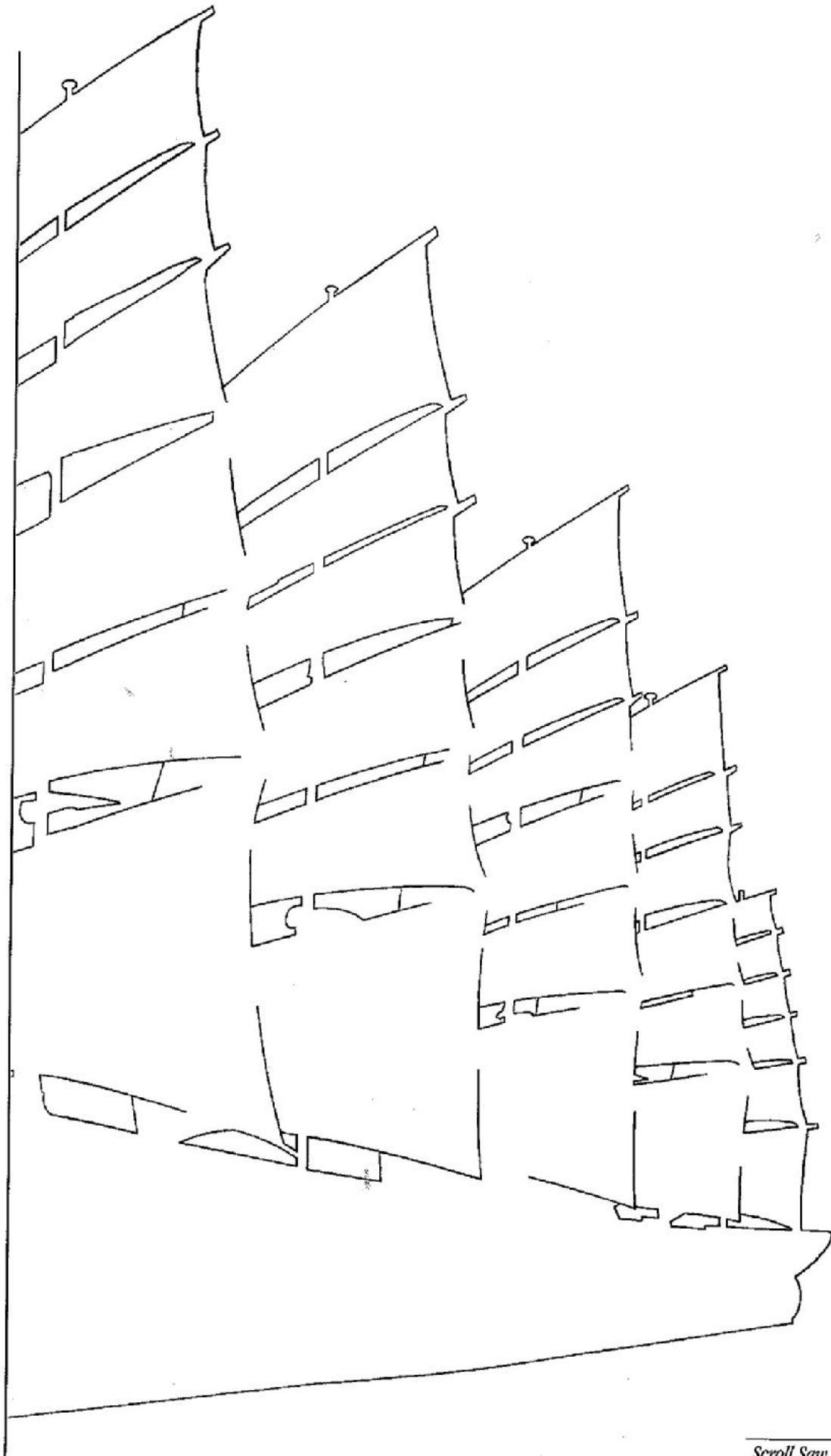


See Inside Back Cover for complete view and stringing diagram.

Pressen

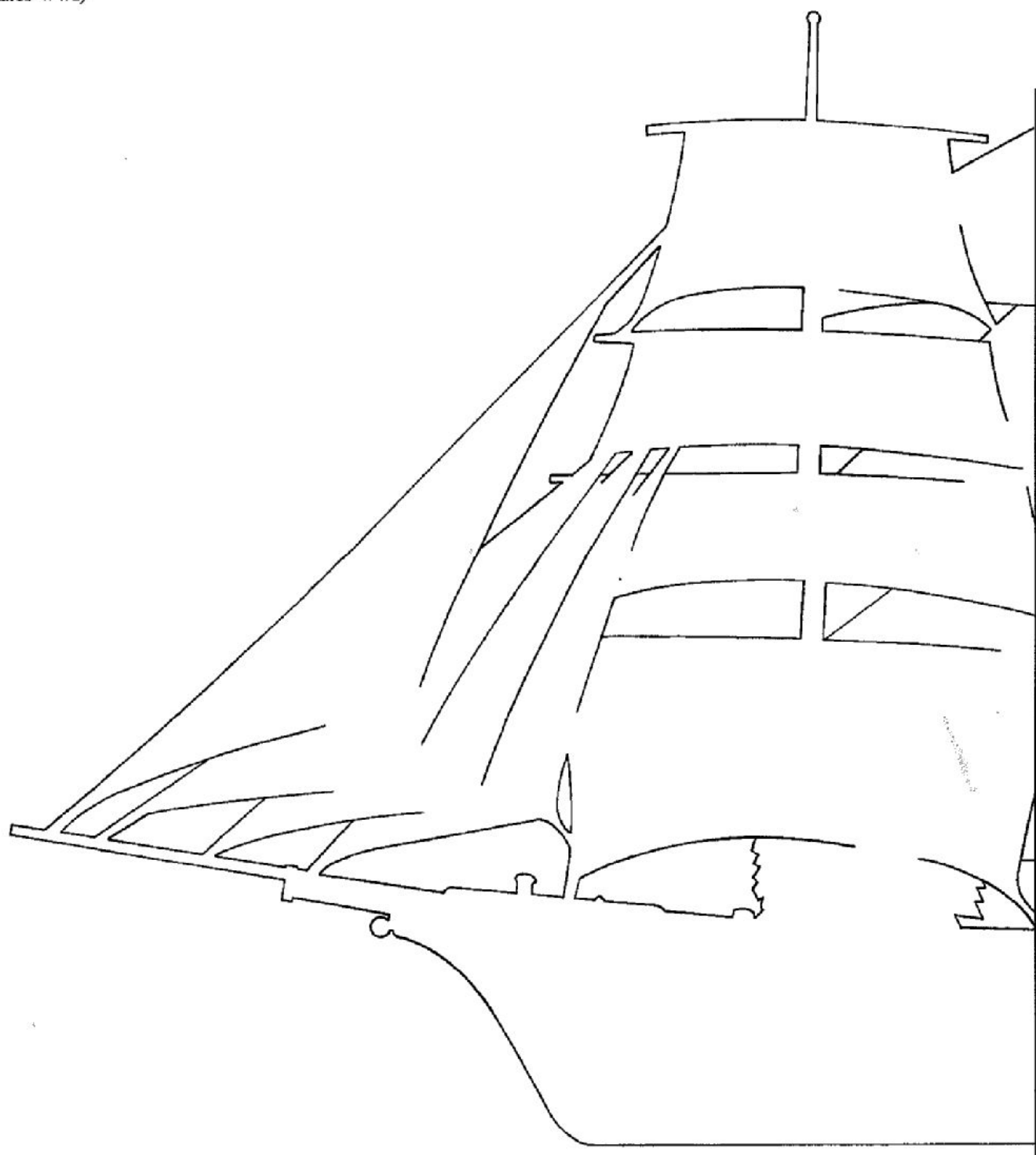
(1902)

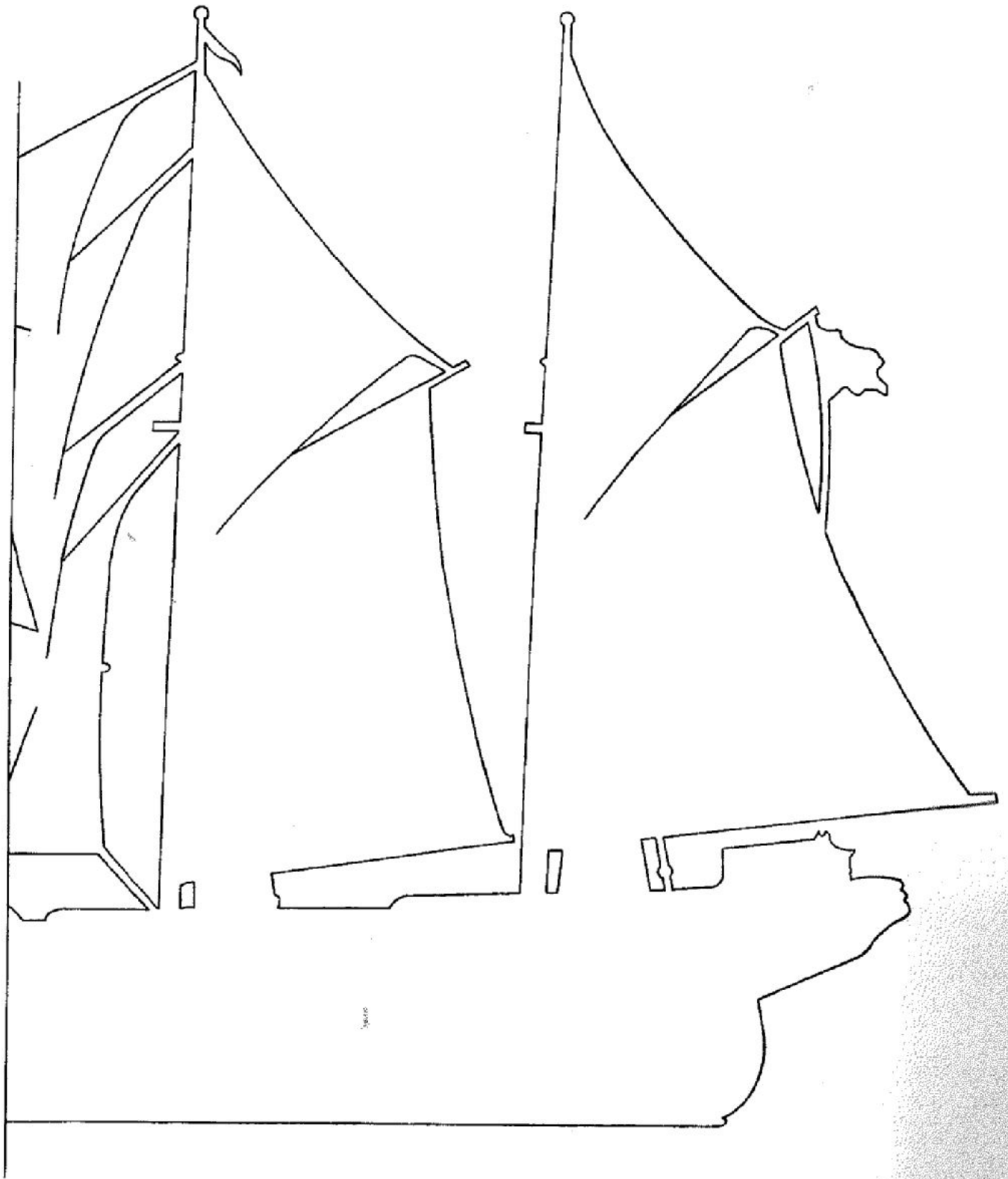




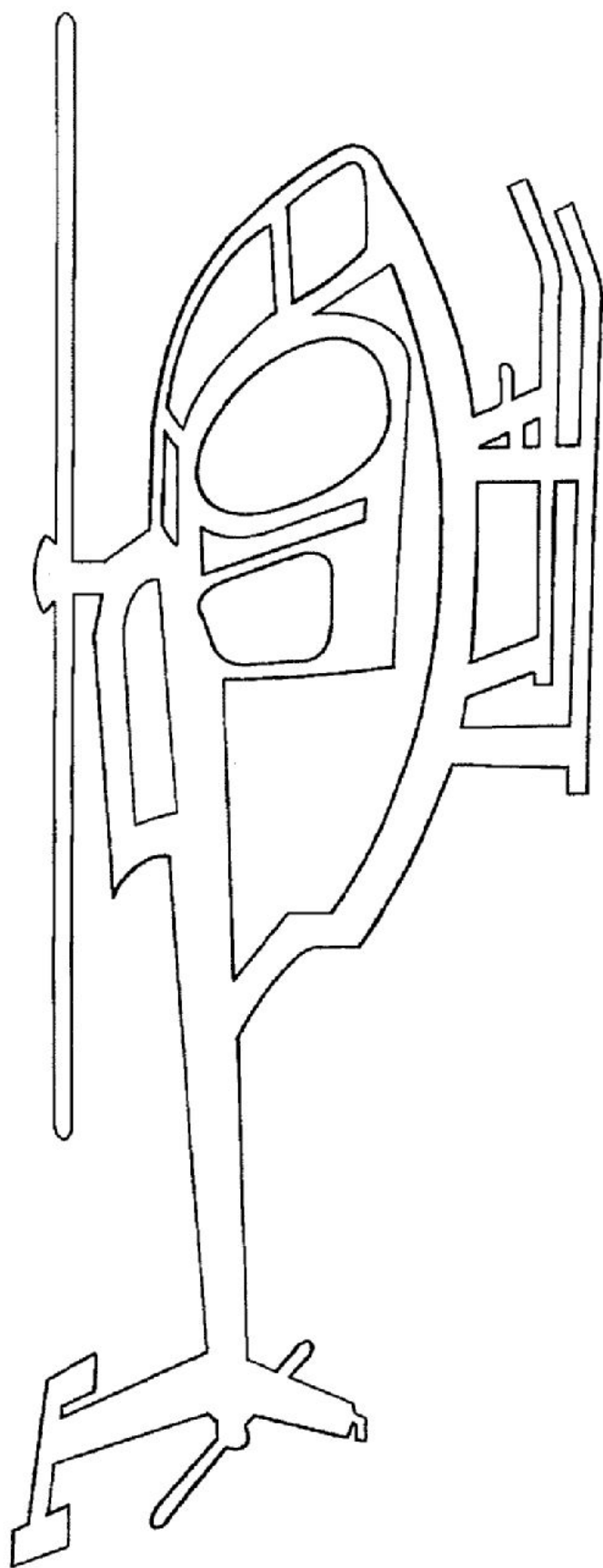
French Barquette

(After WWI)

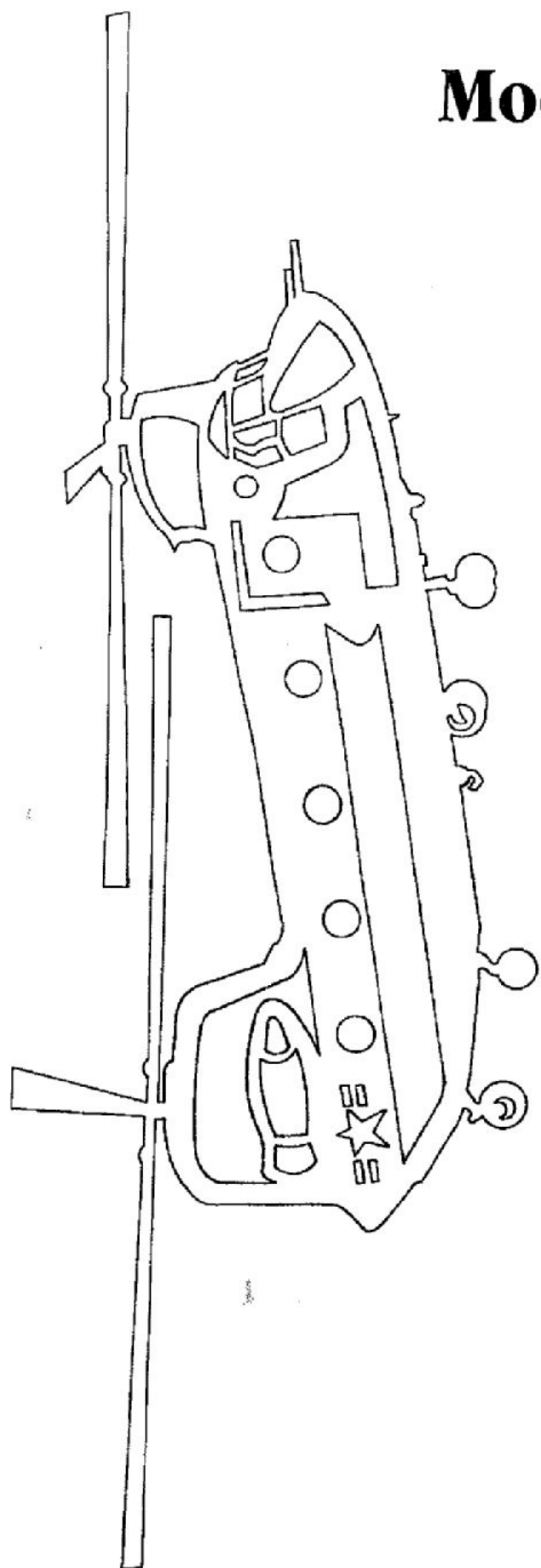




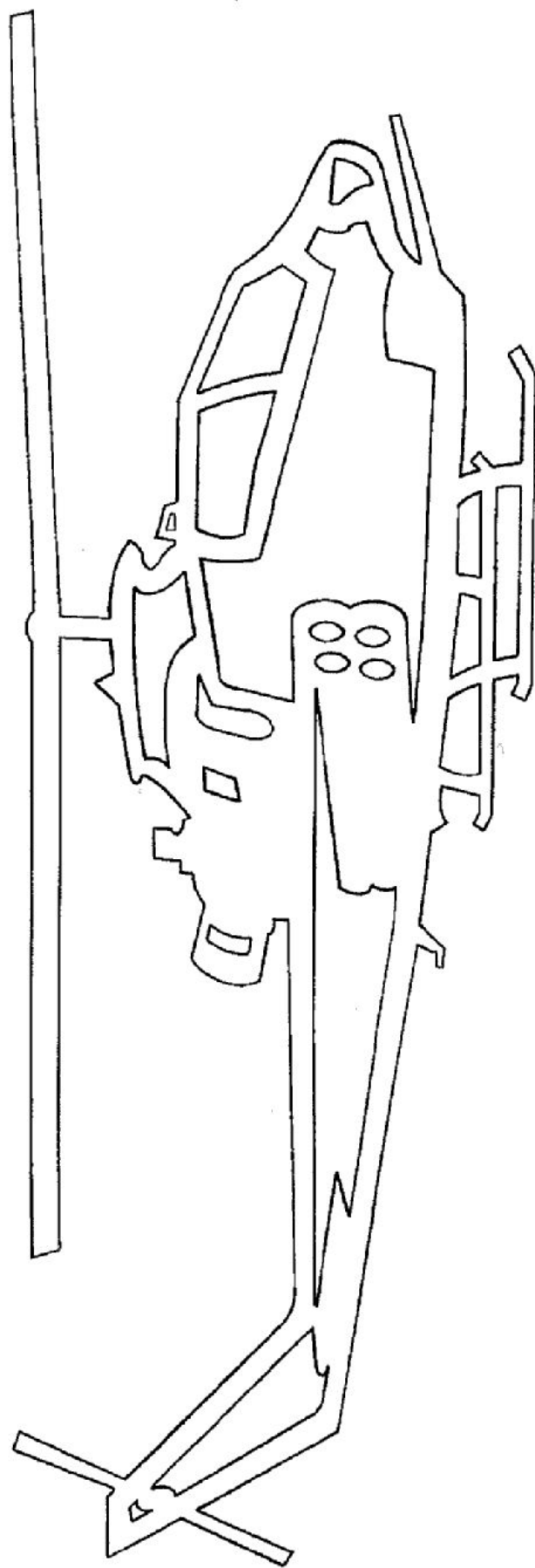
McDonnell Douglas MD 500



Boeing Model 234 CH-47 Chinook

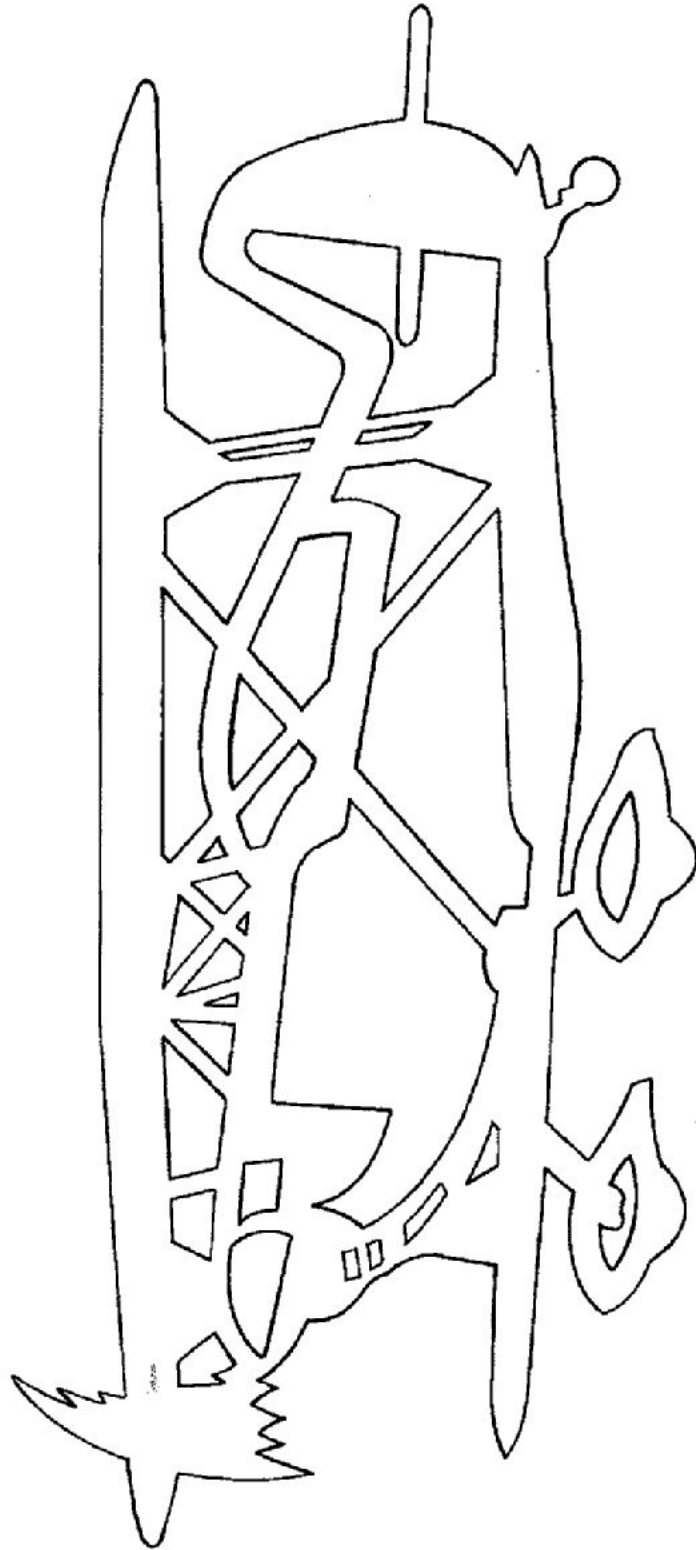


BELL AH-1 Huey Cobra



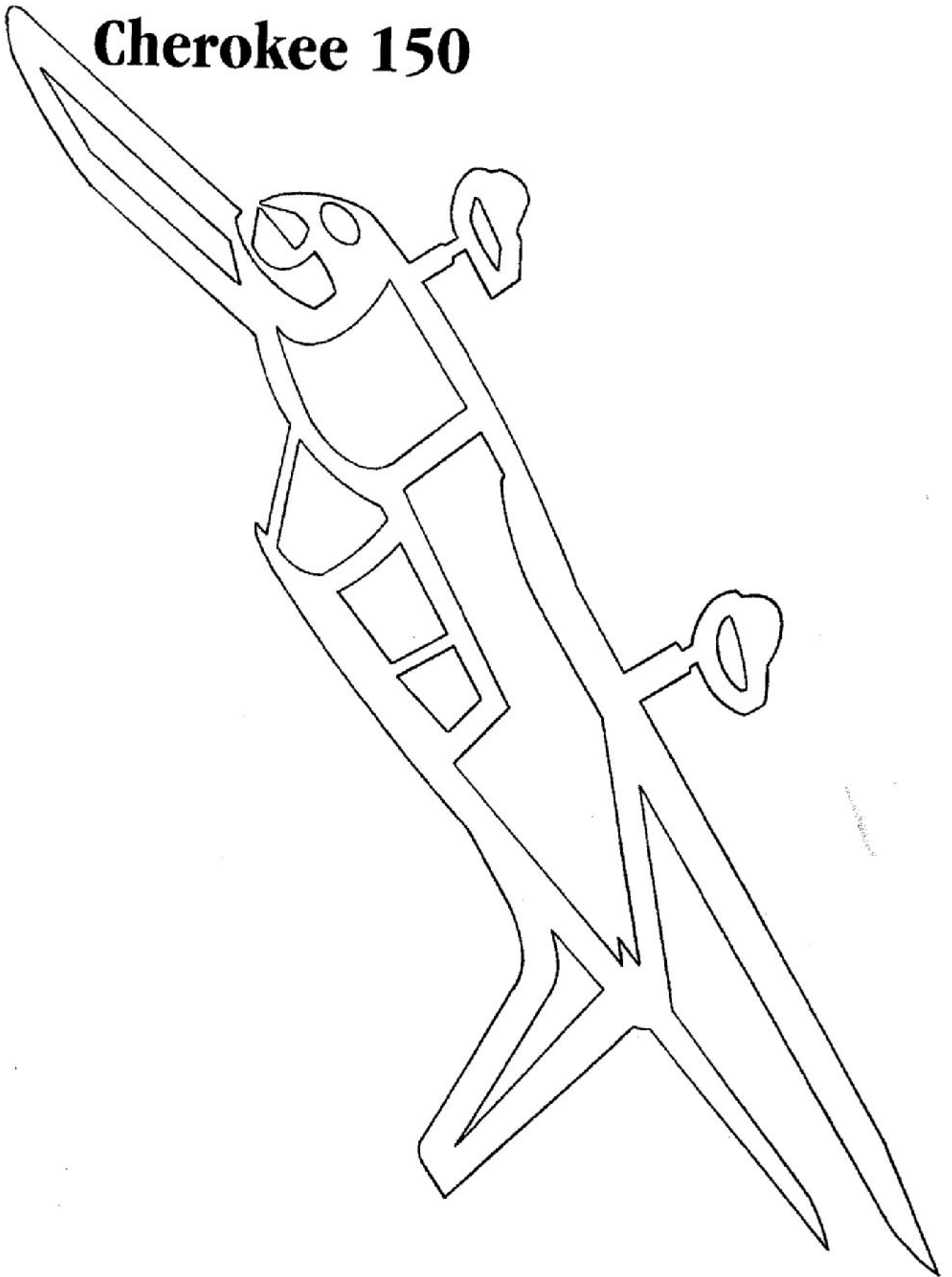
Aviat Pitts

S-2 Special

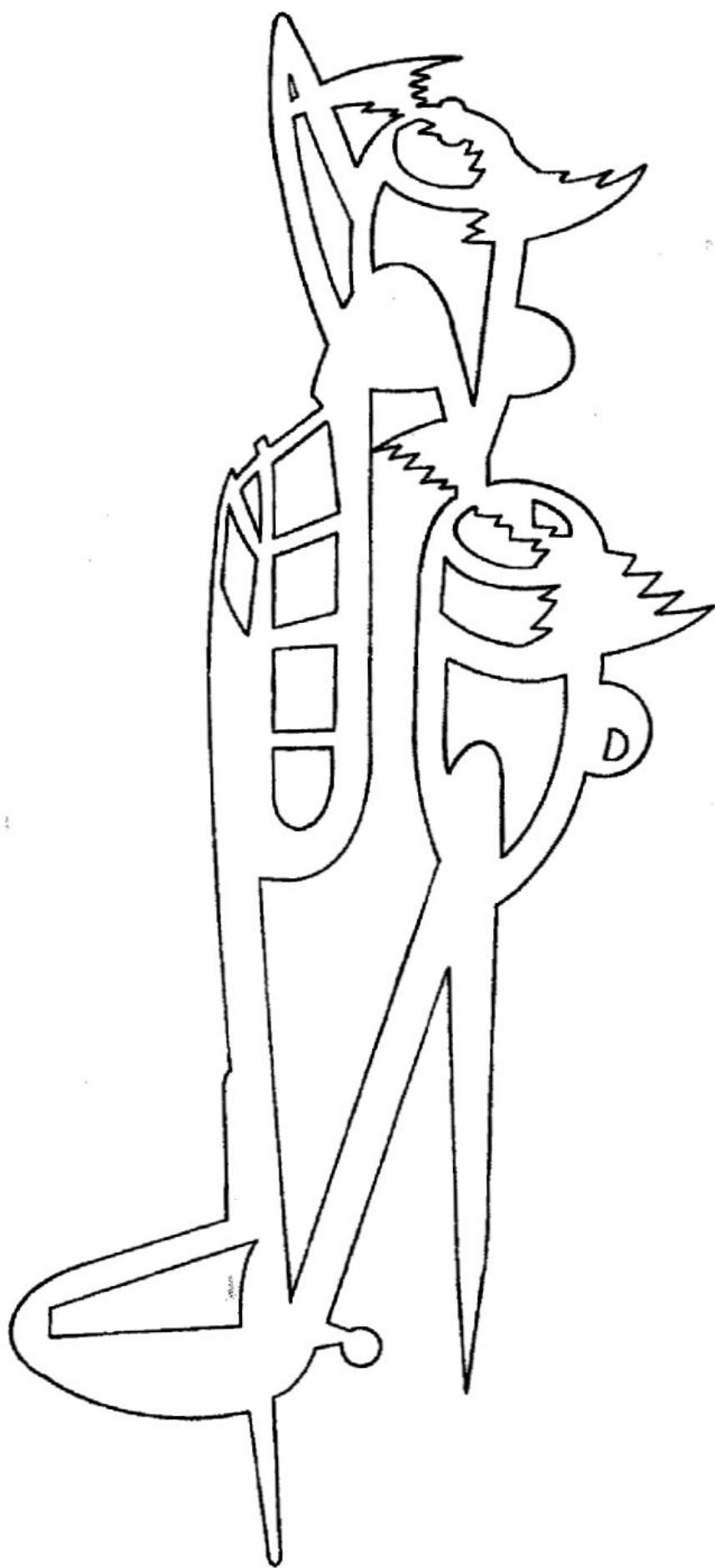


Piper PA 28

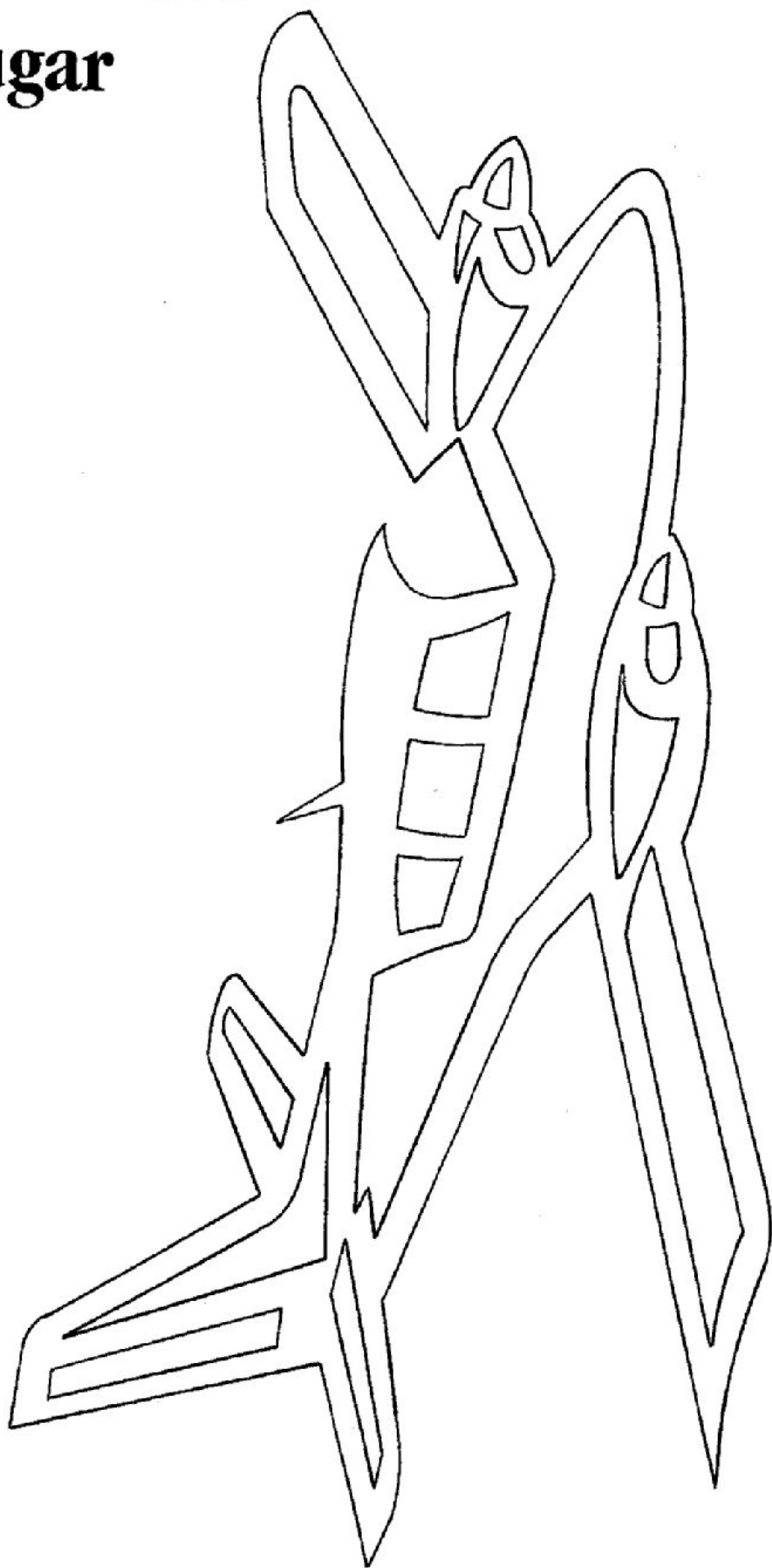
Cherokee 150



Cessna Bobcat

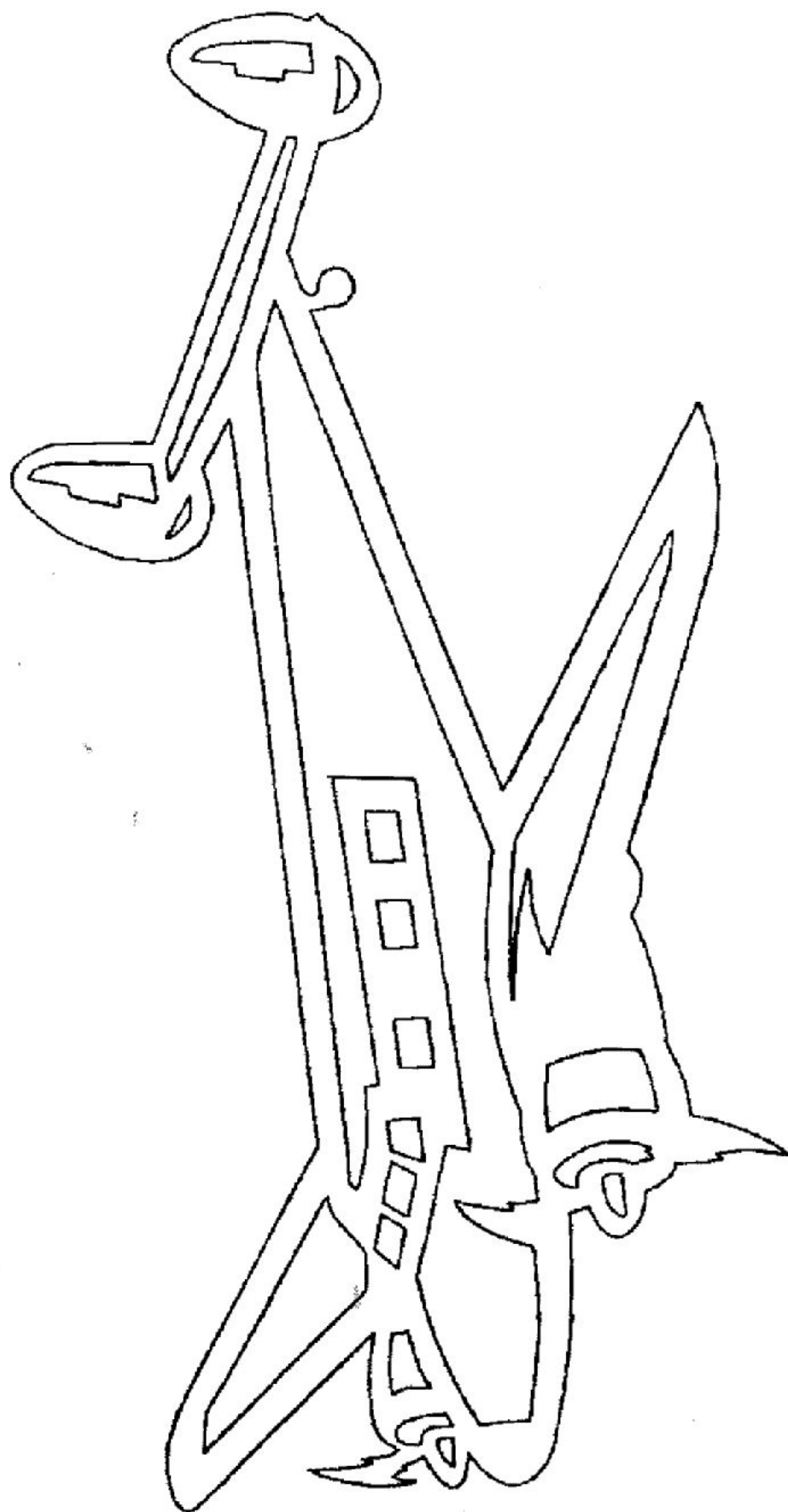


Gulfstream Cougar

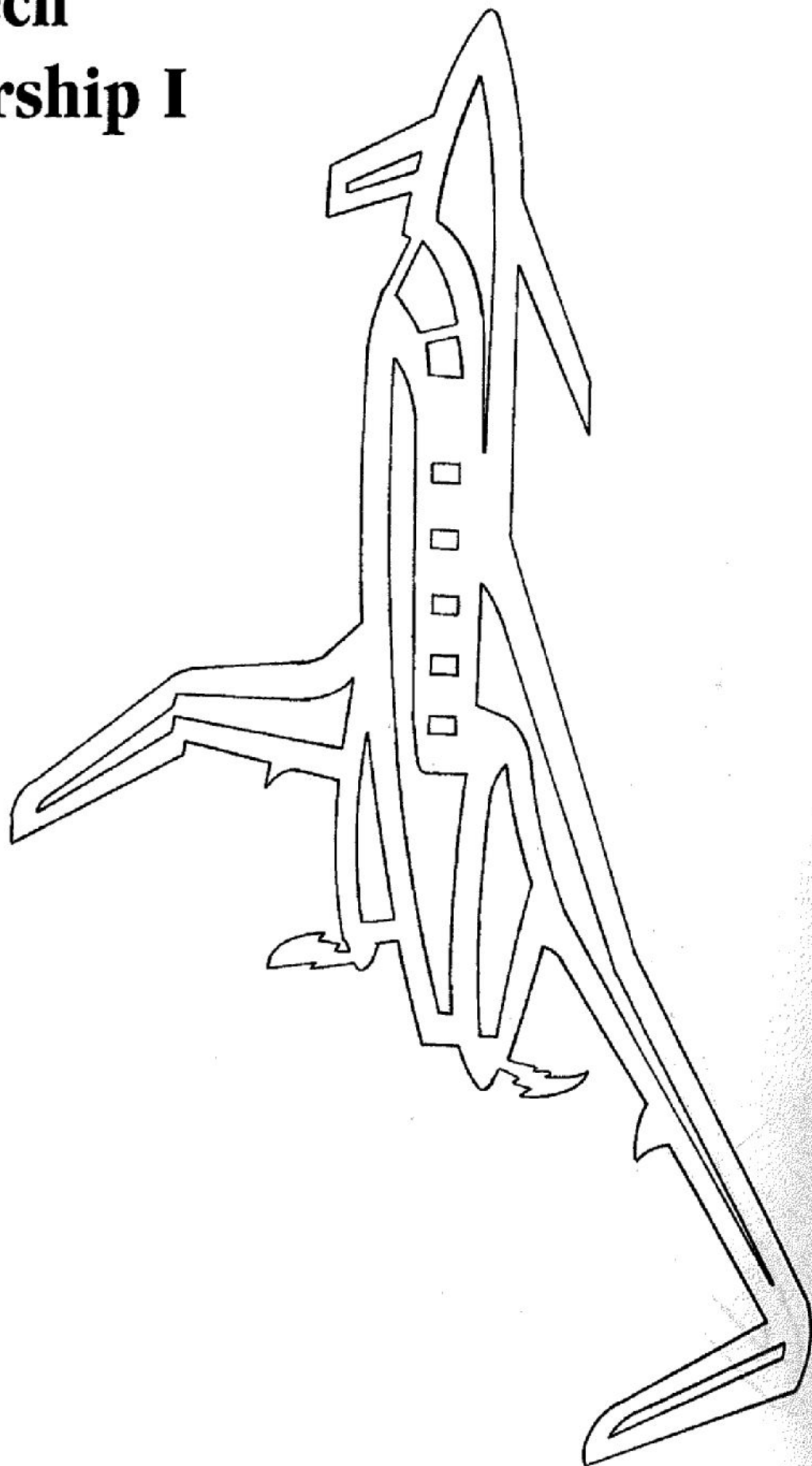


Lockheed

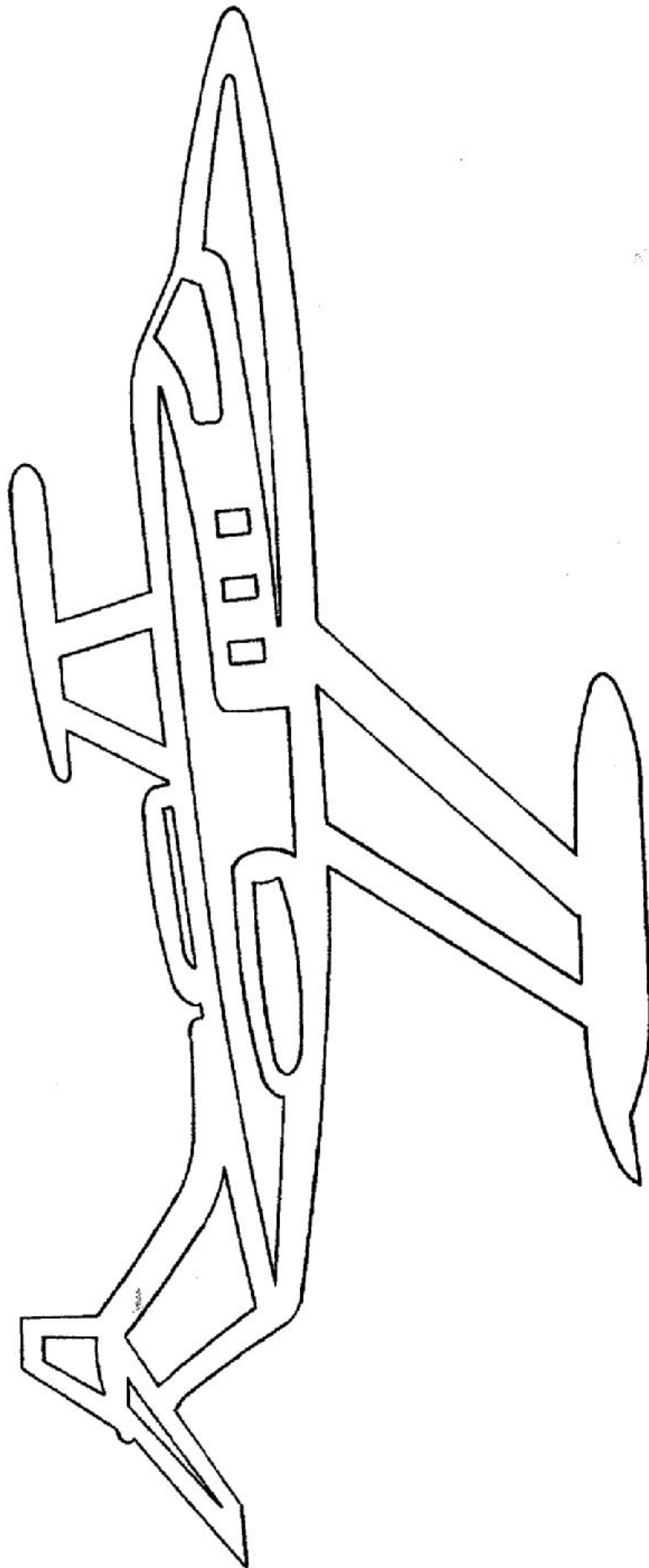
12



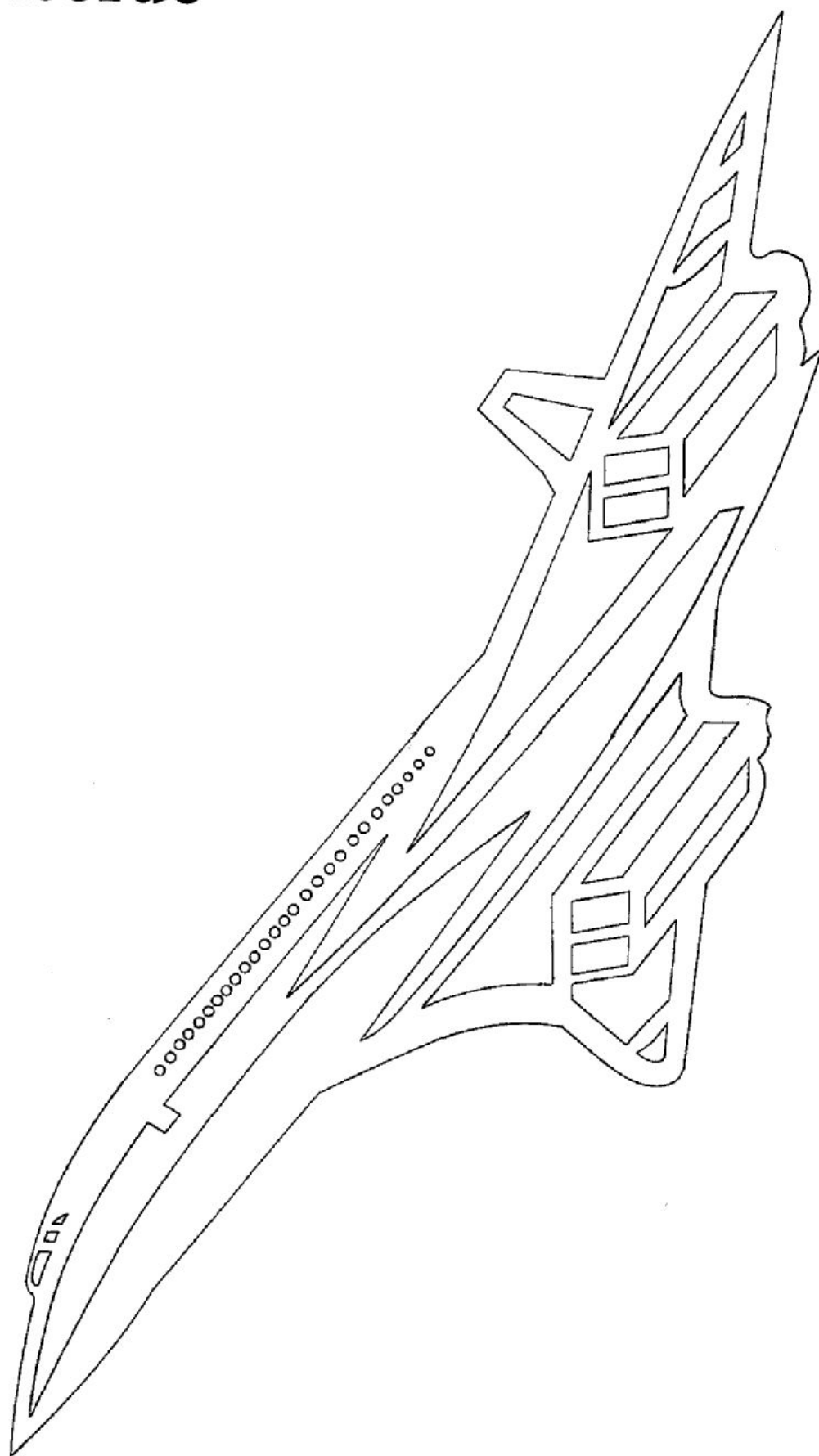
Beech Starship I



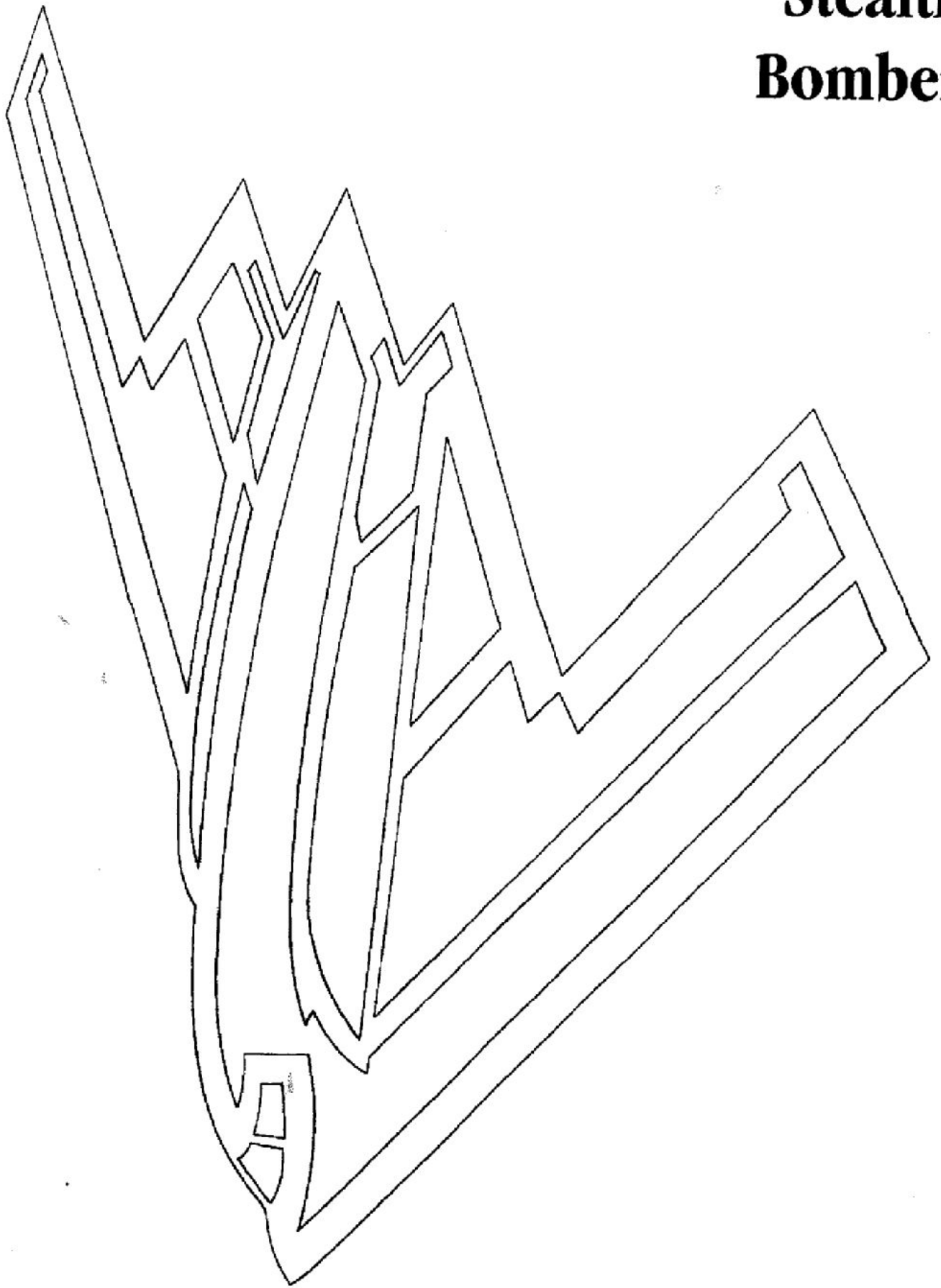
Learjet 24D



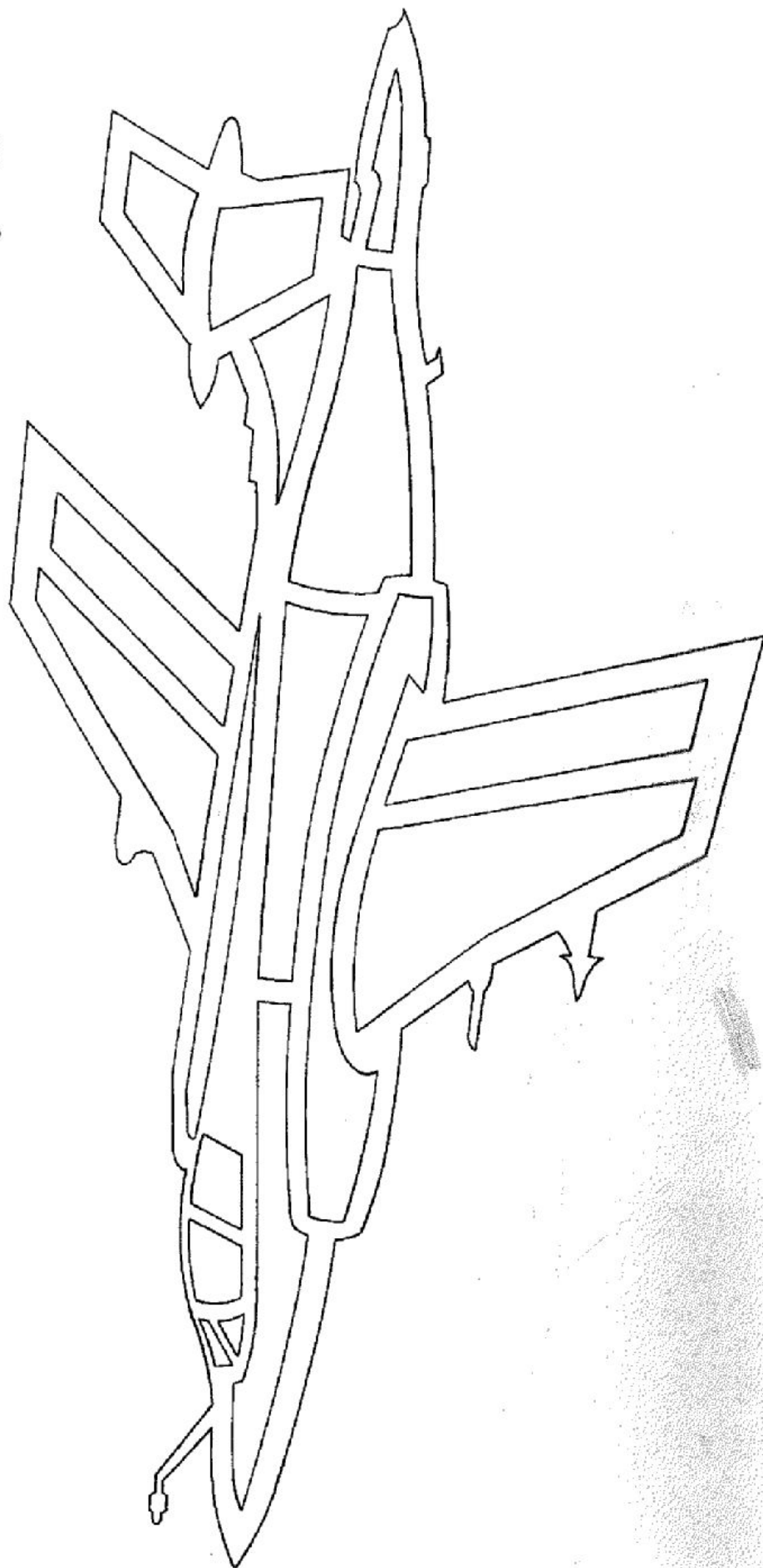
Concorde



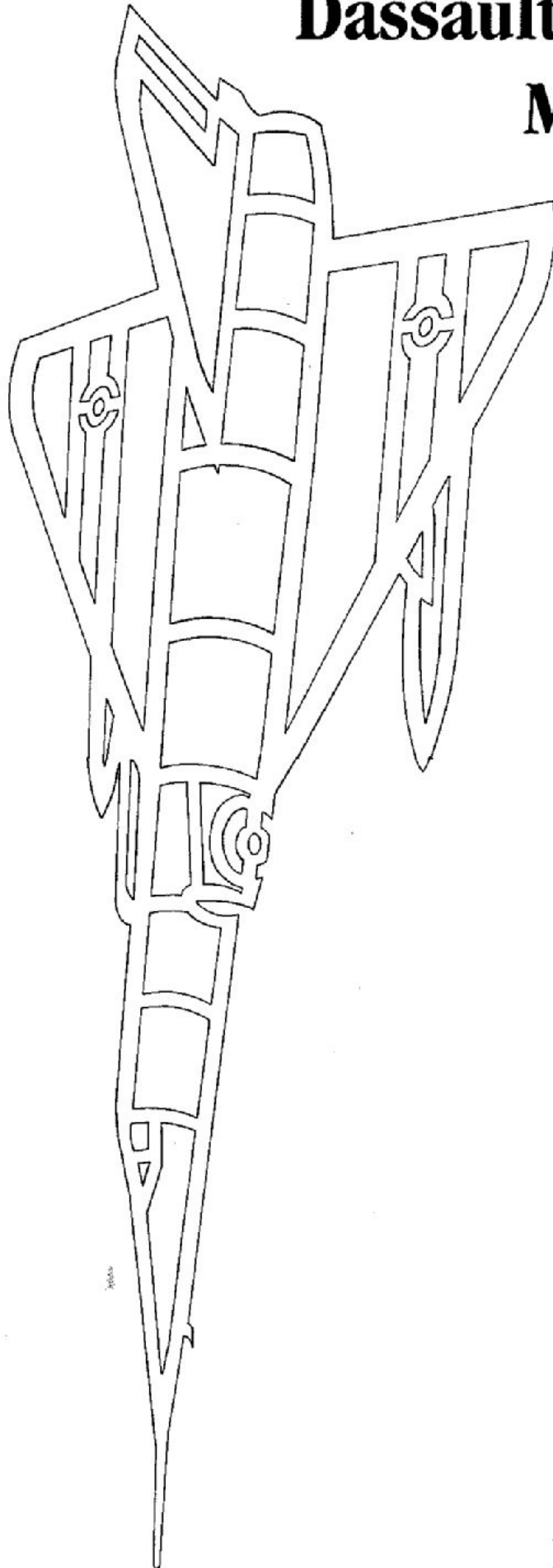
Stealth Bomber



**British
Aerospace
Buccaneer
S.Mk2B**

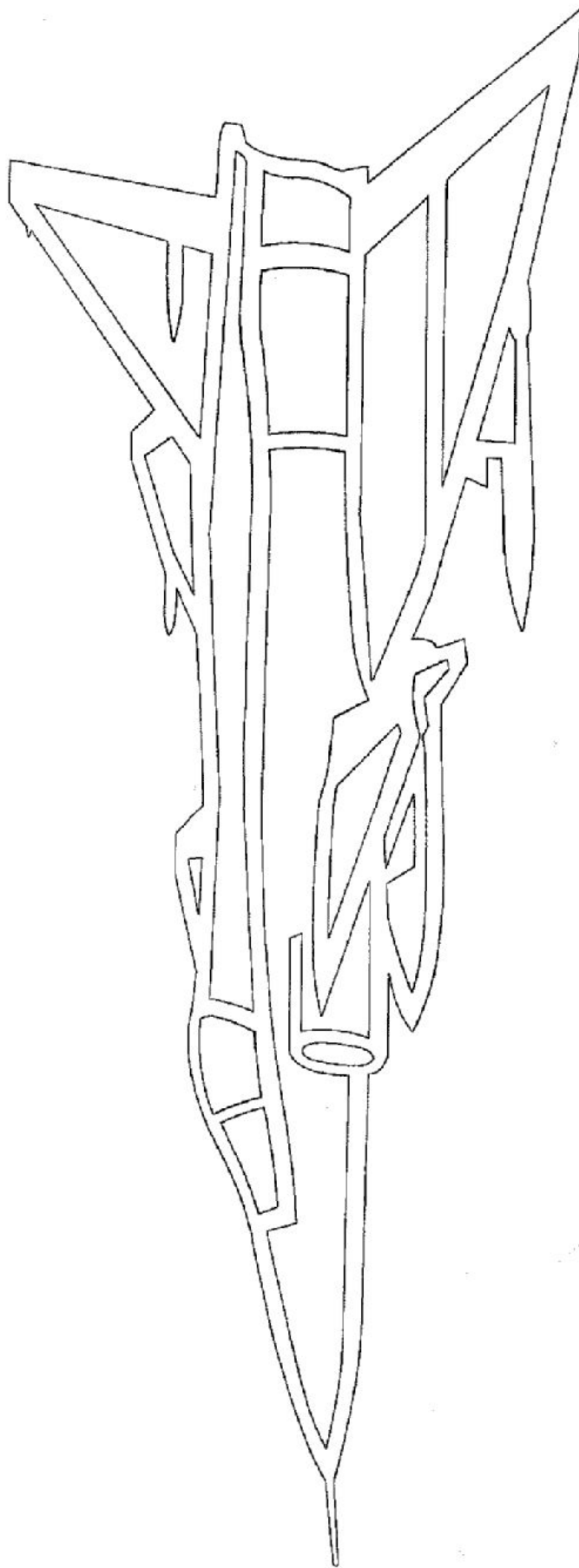


Dassault - Breguet Mirage IVP

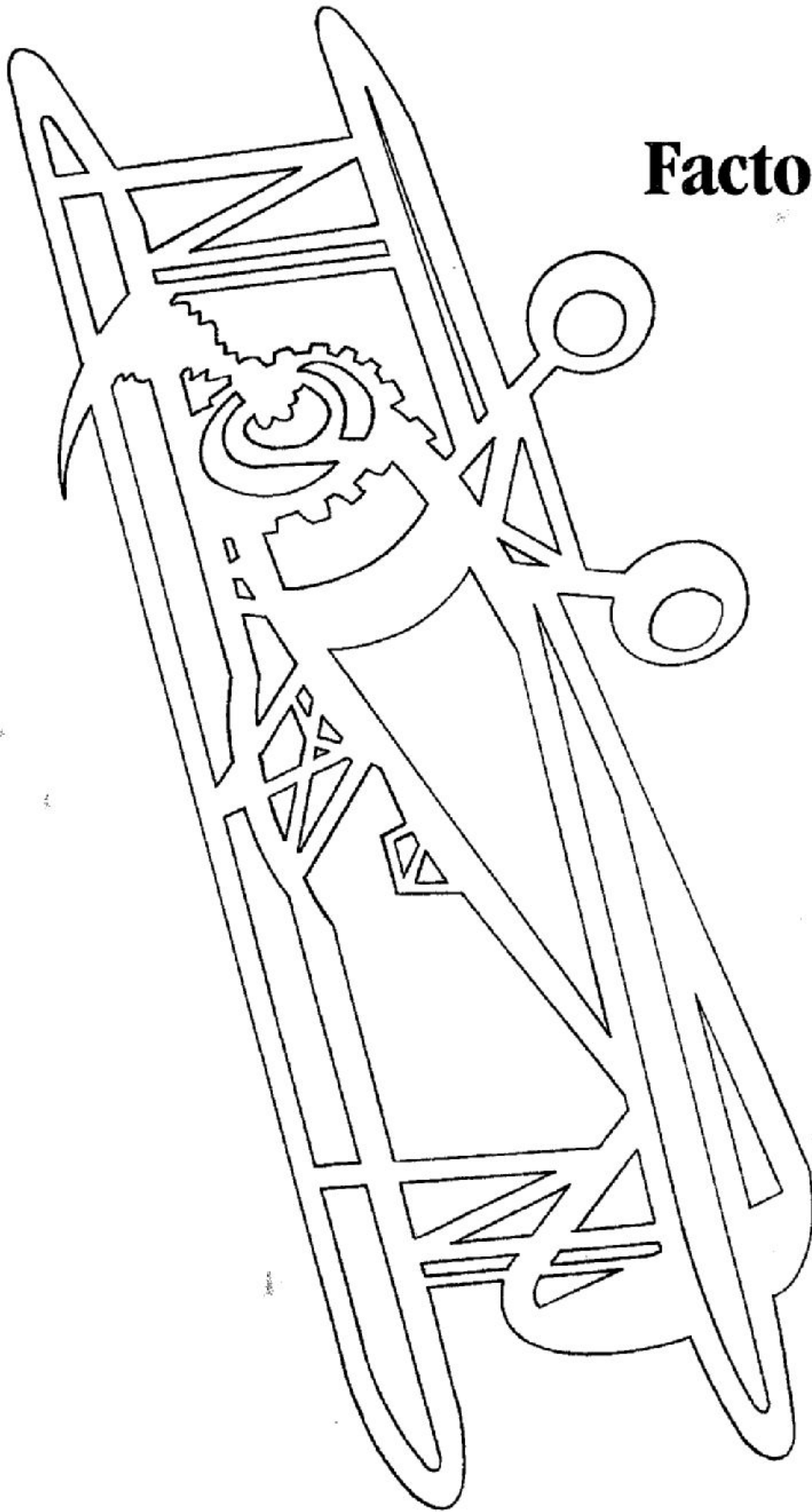


Saab AJ 37

Viggen



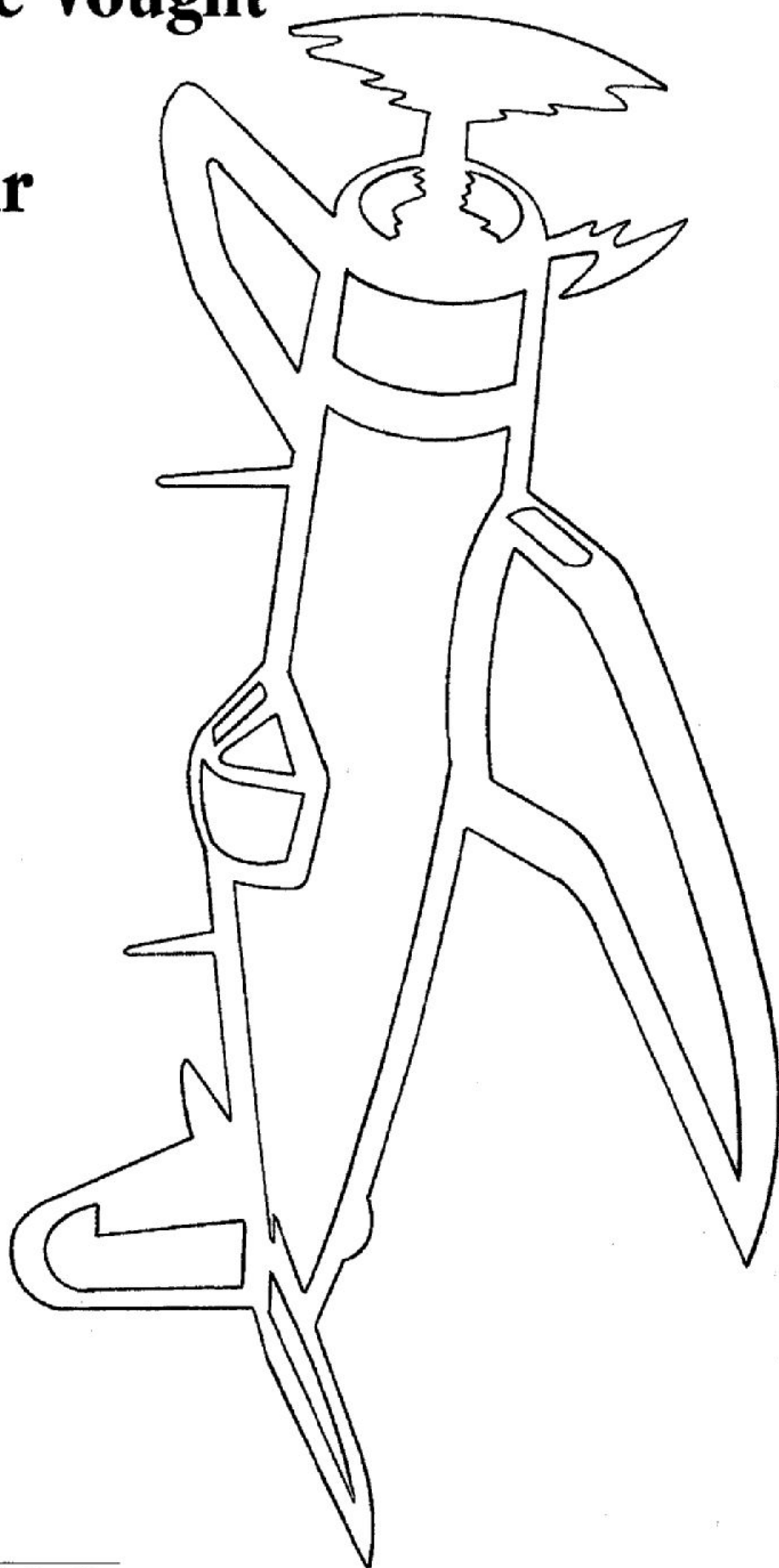
Naval Aircraft Factory N3N3



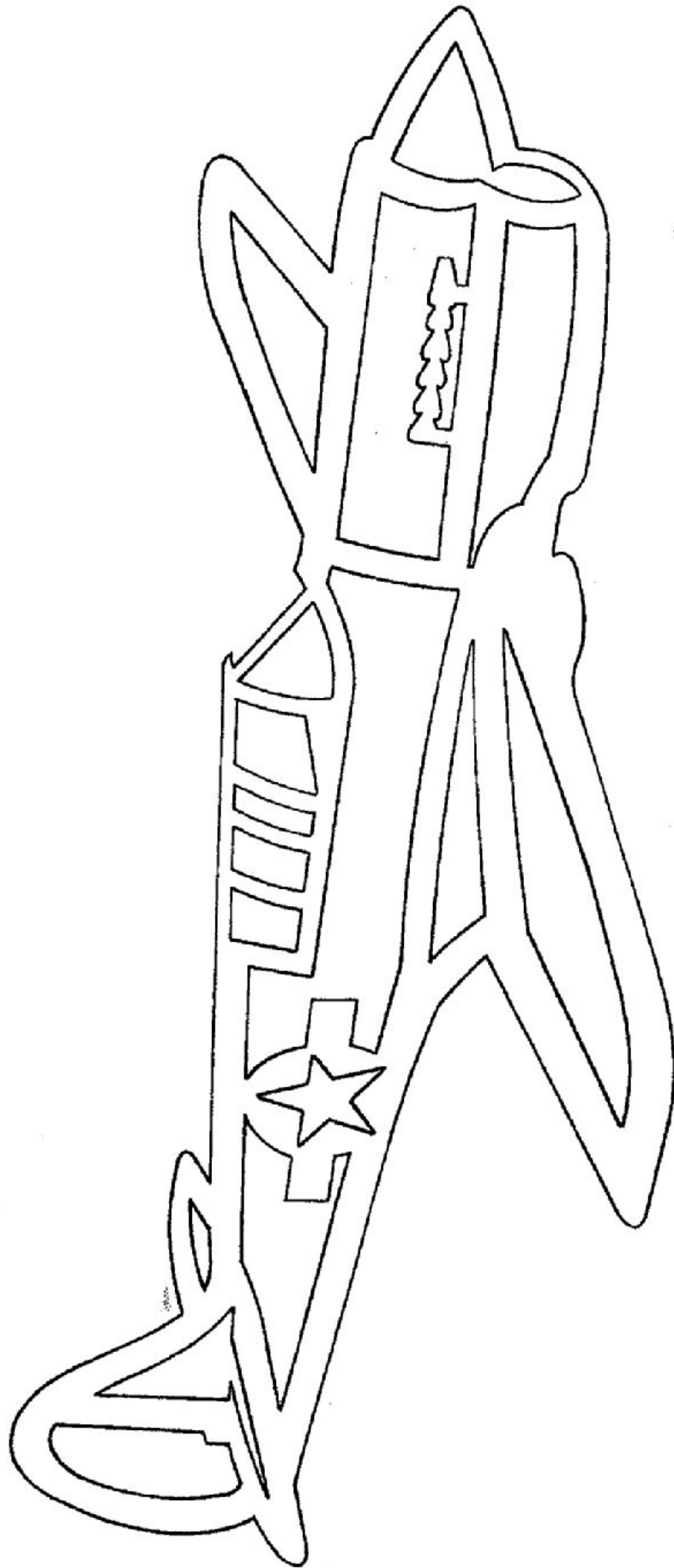
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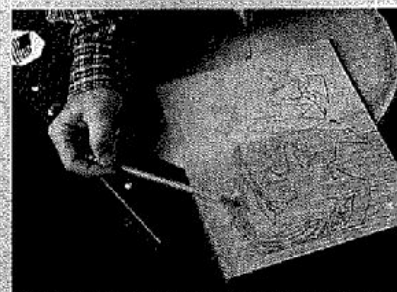
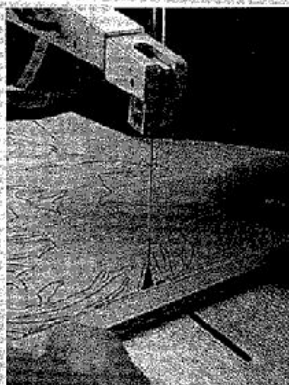
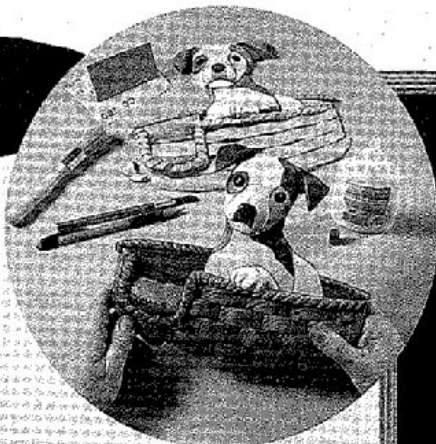
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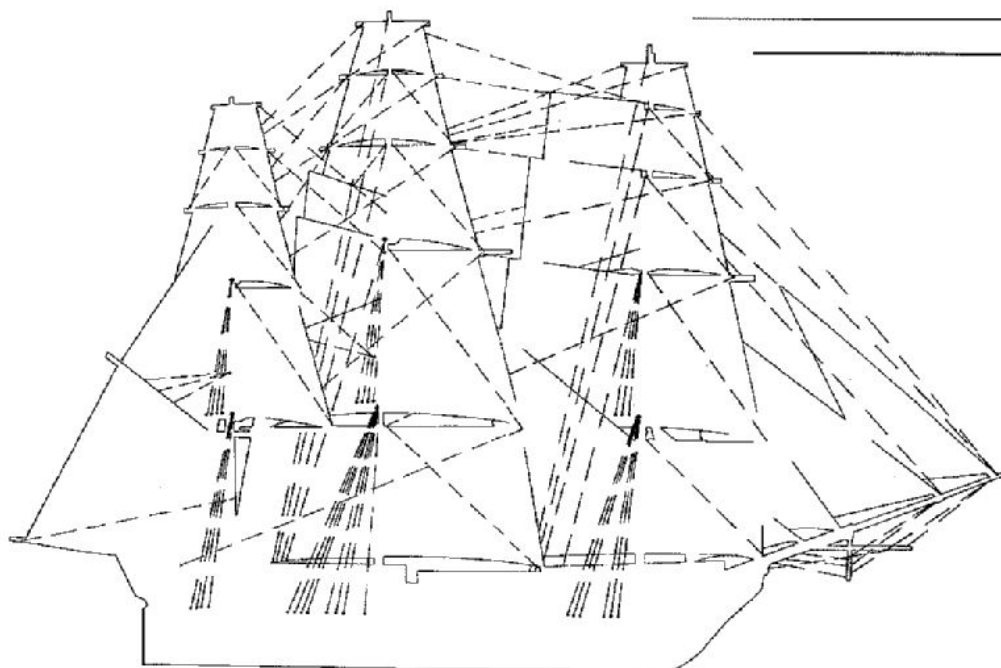
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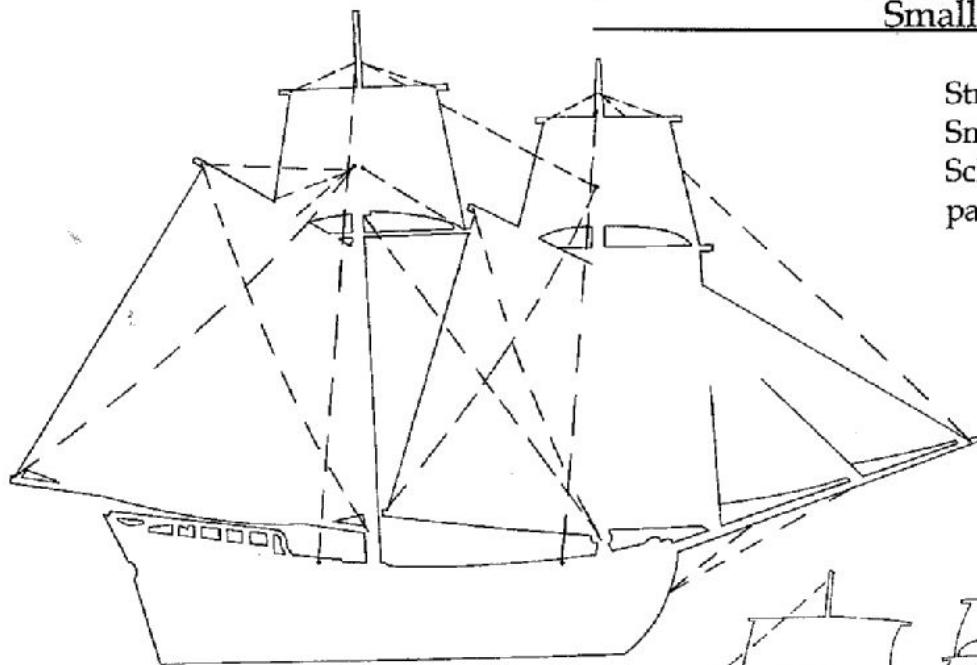
President

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.

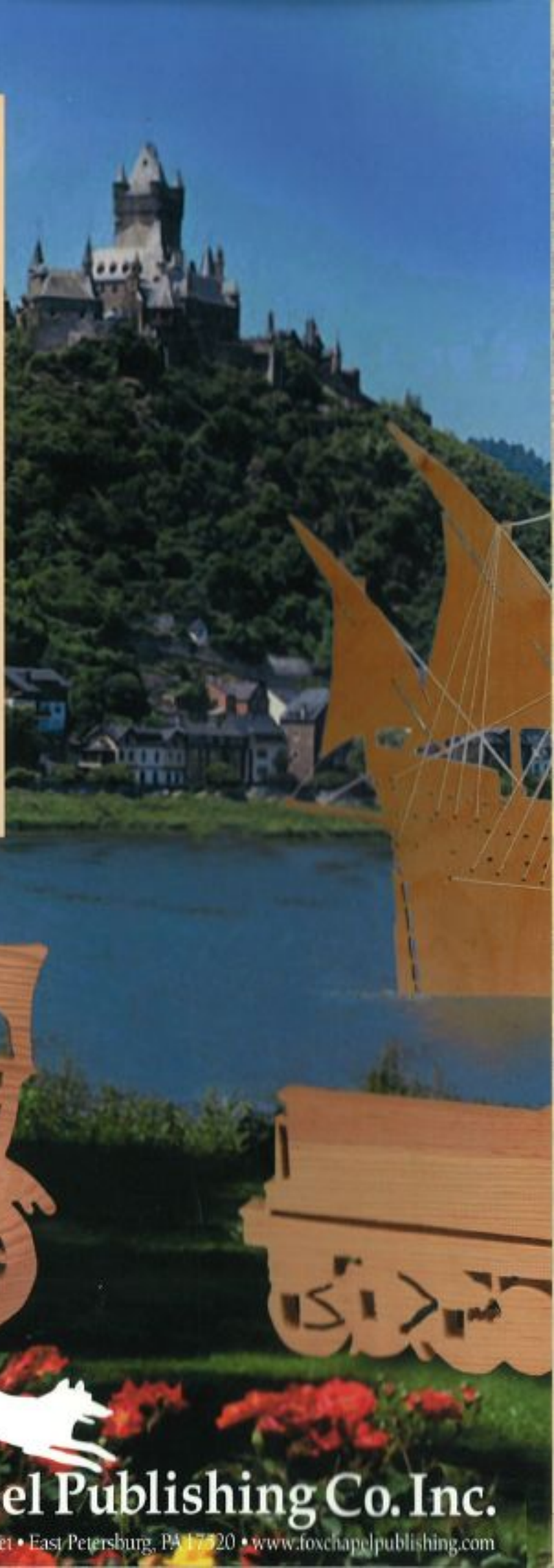


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