

SAIL

11" GALVANIZED RING SEWN
16 TO CLOTH, THEN 5" SAIL
THIMBLE IS INSERTED
AND SWAGED

RATTAIL 8" LONG

HEAD

DETAIL
OF HEAD

USE GOOD QUALITY 4 OR 5 OZ. SAIL DUCK. EGYPTIAN SAILCLOTH IS BEST. NEXT CHOICE IS DOMESTIC YACHT DUCK. BOLT ROPE IS A SOFT, PLYABLE, & TARED ITALIAN HEMP MADE ESPECIALLY FOR SAILS. FOLLOW MEASUREMENTS GIVEN FOR THIS 15' FINISHED SIZE. ALLOWANCES HAVE BEEN MADE FOR STRETCHING IN USE. MAKE A PAPER PATTERN (WEAVING PAPER OR NEWSPAPER) OF THE FINISHED SAIL. USE A LINEN MEASURING TAPE TO LAY OUT THE CURVES. SEW BIGHTS IN CLOTH, THEN SLIP CLOTH UNDER PAPER PATTERN & CUT PIECES, ALLOWING MATERIAL FOR HEMS. BE SURE THERE ARE NO PUCKERS AT THE SEAMS - PIN & SEW SEAMS. SEW REINFORCEMENT PATCHES IN THE CORNERS, THEN SEW 1" LEECH HEM. 2'-FOOT TABLING & 3"-LUFF TABLING. SEW BATTEN POCKETS NEXT ON STARBOARD SIDE. NOW INSTALL HEAD & CLEW GROMMETS. STARTING WITH A RATAIL, SEW BOLT ROPE AROUND CLEW, ALONG THE FOOT & UP THE LUFF, OVER THE HEAD & ENDING WITH ANOTHER RATAIL. STRETCH BOTH ROPE AND CLOTH BY HAND; MARK ROPE TO FOLLOW WHILE SEWING. USE SAIL TWINE DOUBLED & WAXED & A SAILMAKER'S NEEDLE, SLIGHTLY BLUNTED. FINALLY ATTACH SAIL SLIDES & MAKE CRINGLE AT TACK.

10- 1" SAIL SLIDES
ACED ABOUT
" C. TO C.

**SAIL
NEEDLE**

ROPE
TO HEM
PORT SIDE

LUFF

ALLOW 2"
OF MATERIAL
FOR 1 1/2" HEM
ON LUFF &
ALONG FOOT

TACK

FOOT

LEECH

BATTER

14' 8"

LEECH

BATTEN POCKET
FOR 1 1/2" x 36"
BATTEN

RIGHTS

SEAM

201
GATTEN 20"

BATTEN

8'-10"

10 - $\frac{5}{8}$ " SAIL SLIDES
SPACED ABOUT 8" C.T.O.C

FOLDED &
CREASED

BIGHT
THE CLOTH IS FOLDED
& SEWN TO ADD STRENGTH

LAPPED &
CREASED

SEAM
THE EDGES ARE
LAPPED & SEWN

HEM

THE RAW EDGE IS
TURNED UNDER &
SEWN

SERVING

DETAIL OF SLIDE FASTENING

REINFORCEMENT PATCHES

RATTAIL

11" GALVANIZED
16 RING SEWN
TO CLOTH, THEN
5" SAIL THIMBLE
8 IS INSERTED
AND SWAGED

DETAIL OF CLEW

ROPE RAT TAIL

CLEW

68 SQ FT
TOTAL SAIL
AREA

3/4" DIA. SAIL THIMBLE.

5" GALVANIZED RING

DETAIL OF TACK CRINGLE

Moth Sailboat

as featured in

BOYS' LIFE

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