
THIS SIGN IS IN
SPANISH
WHEN YOU'RE
NOT LOOKING

Tools For The Ship Modeler

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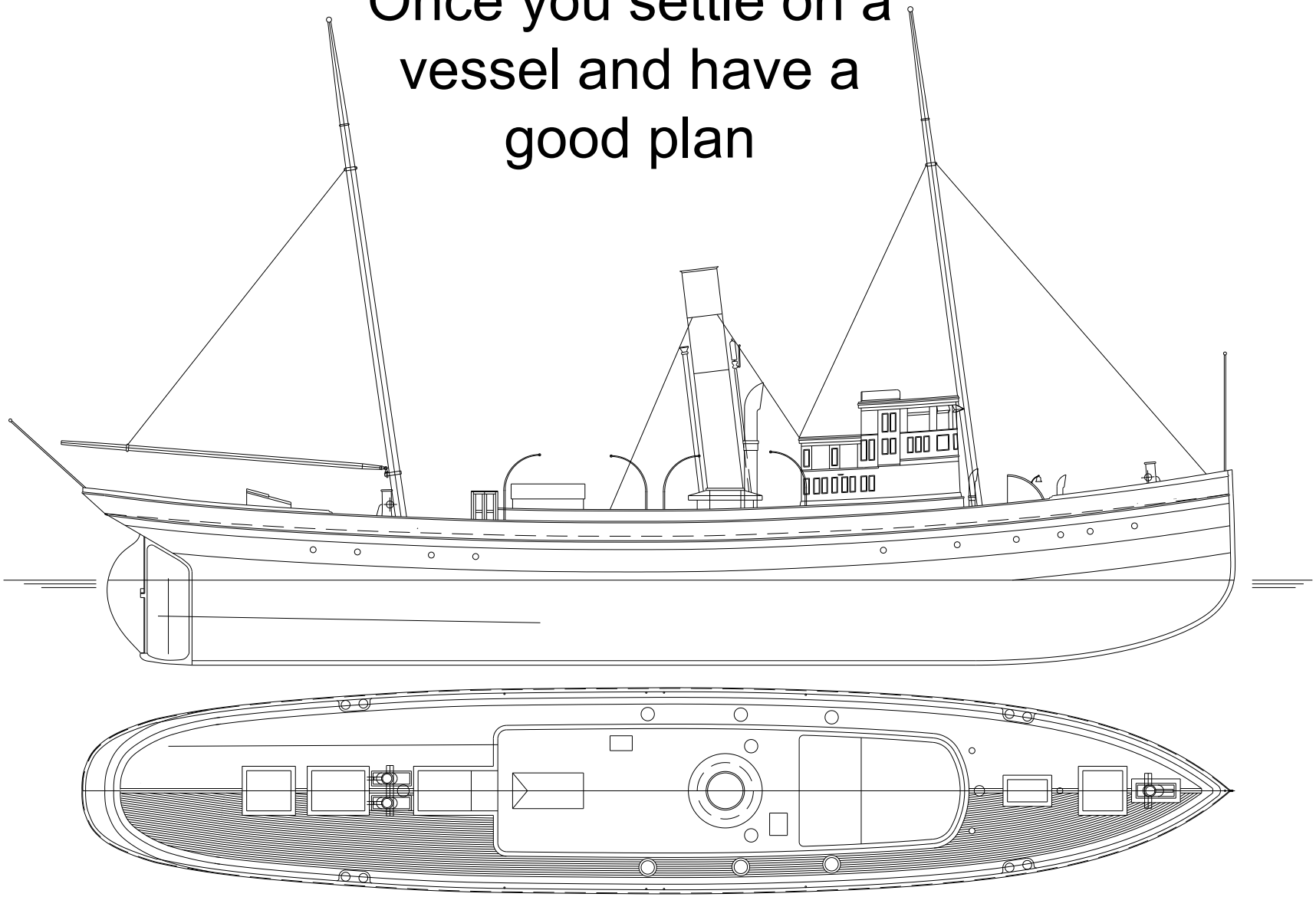
A skilled ship model maker once said:

“I only make ship models so I have an excuse to buy tools”

Marvin Bryant sometime in the early 1980’s

I would add: buy only when the price is right, always look for a deal.

Once you settle on a vessel and have a good plan



The type of model you make will influence the tools you need

If you build from scratch with wood, you will need a lot more tools, some of them full size.

Or you can buy pre-milled stock to your specification, or build a kit.

Re-saw
using a
Band saw
or a
Table saw

Joint first edge and side

Surface to correct lift thickness

Thickness Sander to achieve proper scantling thickness

Saw some more

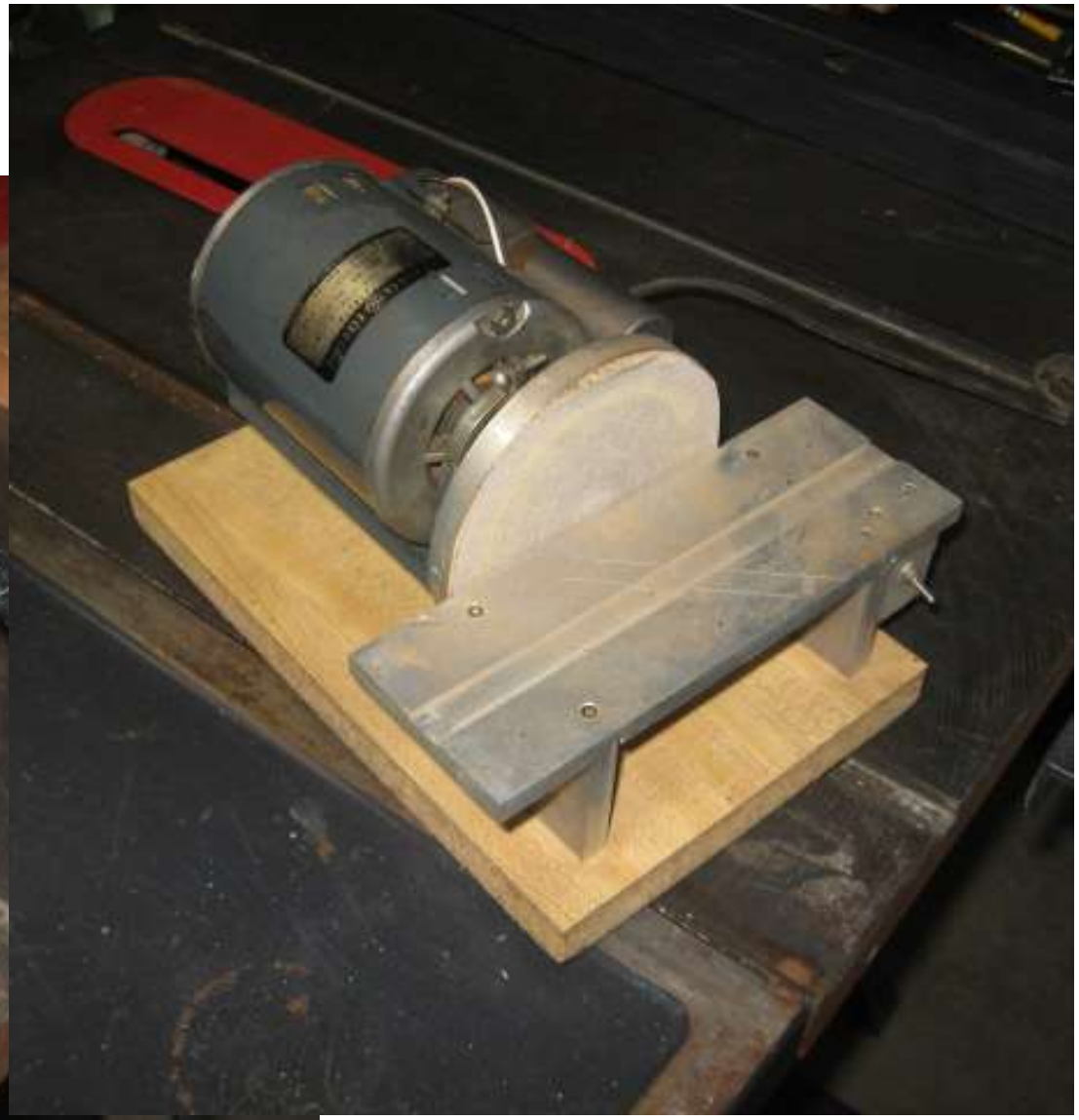
Finished, scale milled stock

For cutting out all those built-up frames

Once your material is ready, you need a mess of proper hand tools and other power tools to hold, manipulate, prepare, join, turn, cut, sand, and finish the parts you make. Here are a lot of the tools I use regularly.

Vises for your Vices

Sanding



Drilling, some milling, drum sanding, etc.

Roto-tool and Pin Vise

Micro threading

Things as simple as drill charts are invaluable tools

DECIMAL EQUIVALENTS

OF WIRE, LETTER, FRACTIONAL, AND METRIC SIZE DRILLS

Drill Size	mm	Decimal Inches	Drill Size	mm	Decimal Inches	Drill Size	mm	Decimal Inches	Drill Size	mm	Decimal Inches
—	0.10	.0039	45	2.08	.0820	S	5.32	.2055	7/16	11.11	.4375
—	0.20	.0079	44	2.18	.0860	4	5.31	.2090	29/64	11.51	.4531
—	0.25	.0098	43	2.26	.0890	3	5.41	.2130	15/32	11.91	.4688
—	0.30	.0118	42	2.37	.0935	7/32	5.56	.2188	—	12.00	.4724
80	0.34	.0135	3/32	2.38	.0938	2	5.61	.2210	31/64	12.30	.4844
79	0.37	.0145	41	2.44	.0960	1	5.79	.2280	1/2	12.70	.5000
1/64	0.40	.0156	40	2.50	.0980	A	5.94	.2340	—	13.00	.5118
78	0.41	.0160	39	2.53	.0995	15/64	5.95	.2344	33/64	13.10	.5156
77	0.46	.0180	38	2.58	.1015	—	6.00	.2362	17/32	13.49	.5312
—	0.50	.0197	37	2.64	.1040	B	6.05	.2380	35/64	13.89	.5469
76	0.51	.0200	36	2.71	.1065	C	6.15	.2420	—	14.00	.5512
75	0.53	.0210	7/64	2.78	.1094	D	6.25	.2460	9/16	14.29	.5625
74	0.57	.0225	35	2.79	.1100	1/4	6.35	.2500	37/64	14.68	.5781
—	0.60	.0236	34	2.82	.1110	E	6.35	.2500	—	15.00	.5906
73	0.61	.0240	33	2.87	.1130	F	6.53	.2570	19/32	15.08	.5938
72	0.64	.0250	32	2.95	.1160	G	6.63	.2610	39/64	15.48	.6094
71	0.66	.0260	—	3.00	.1181	17/64	6.75	.2656	5/8	15.88	.6250
—	0.70	.0276	31	3.09	.1200	H	6.76	.2660	—	16.00	.6299
70	0.71	.0280	1/8	3.18	.1250	I	6.91	.2720	41/64	16.27	.6406
69	0.74	.0292	30	3.26	.1285	—	7.00	.2756	21/32	16.67	.6562
—	0.75	.0295	29	3.45	.1360	J	7.04	.2770	—	17.00	.6693
68	0.79	.0310	28	3.52	.1405	K	7.14	.2810	43/64	17.07	.6719
1/32	0.79	.0313	9/64	3.57	.1406	9/32	7.14	.2812	11/16	17.46	.6875
—	0.80	.0315	27	3.66	.1440	L	7.37	.2900	45/64	17.86	.7031
67	0.81	.0320	26	3.73	.1470	M	7.49	.2950	—	18.00	.7087
66	0.84	.0330	25	3.80	.1495	19/64	7.54	.2969	23/32	18.26	.7188
65	0.89	.0350	24	3.86	.1520	N	7.67	.3020	47/64	18.65	.7344
—	0.90	.0354	23	3.91	.1540	5/16	7.94	.3125	—	19.00	.7480
64	0.91	.0360	5/32	3.97	.1562	—	8.00	.3150	3/4	19.05	.7500
63	0.94	.0370	22	3.99	.1570	O	8.03	.3160	49/64	19.45	.7656
62	0.97	.0380	—	4.00	.1575	P	8.20	.3230	25/32	19.84	.7812
61	0.99	.0390	21	4.04	.1590	21/64	8.33	.3281	—	20.00	.7874
—	1.00	.0394	20	4.09	.1610	Q	8.43	.3320	51/64	20.24	.7969
60	1.02	.0400	19	4.22	.1660	R	8.61	.3390	13/16	20.64	.8125
59	1.04	.0410	18	4.31	.1695	11/32	8.73	.3438	—	21.00	.8268
58	1.07	.0420	11/64	4.37	.1719	S	8.84	.3480	53/64	21.03	.8281
57	1.09	.0430	17	4.39	.1730	—	9.00	.3543	27/32	21.43	.8438
56	1.18	.0465	16	4.50	.1770	T	9.09	.3580	55/64	21.84	.8594
3/64	1.19	.0469	15	4.57	.1800	23/64	9.13	.3594	—	22.00	.8661
55	1.32	.0520	14	4.62	.1820	U	9.35	.3680	7/8	22.23	.8750
54	1.40	.0550	13	4.70	.1850	3/8	9.53	.3750	57/64	22.62	.8906
53	1.51	.0595	3/16	4.76	.1875	V	9.56	.3770	—	23.00	.9055
1/16	1.59	.0625	12	4.80	.1890	W	9.80	.3860	29/32	23.02	.9062
52	1.61	.0635	11	4.85	.1910	25/64	9.92	.3906	59/64	23.42	.9219
51	1.70	.0670	10	4.91	.1935	—	10.00	.3937	15/16	23.81	.9375
50	1.78	.0700	9	4.98	.1960	X	10.08	.3970	—	24.00	.9449
49	1.85	.0730	—	5.00	.1968	Y	10.26	.4040	61/64	24.21	.9531
48	1.93	.0760	8	5.05	.1990	13/32	10.32	.4062	31/32	24.61	.9688
5/64	1.98	.0781	7	5.11	.2010	Z	10.49	.4130	—	25.00	.9842
47	1.99	.0785	13/64	5.16	.2031	27/64	10.72	.4219	63/64	25.00	.9844
—	2.00	.0787	6	5.18	.2040	—	11.00	.4331	1	25.40	1.0000
46	2.08	.0810							—	25.58	1.0039

Clamps. **The saying goes…you can never have enough.**


CRAFTSMAN
CRAFTSMAN

Odd clamps


KEEL
KLAMPER
MORSA ROTANTE
2 MANI IN PIÙ
MORSA ROTANTE

Power Arm

Small shop Lathe


UNIMAT

The chopper

Chisels

Hand saws

The plane truth about planes

Hand knives

Heat

Height gauge

Accurate measurement

Go, no - go

Awl shucks

Cutting Guide

Entomology

Dental tools…I mean decking tools

Filed under “F” for file

File your nails
while waiting for the glue to dry

Or you can make your own

Tool rack

Pliers, etc

Misc

Special jigs

No Cyano here

Its back here
behind the tool rack


Foster
WORLDS FAIR
BRAND
round
toothpicks
CONTENTS 250
FLAT
Toothpicks
750 FLAT

Painting systems

Hi-tech storage

The vault

The brush off

Hobbit hole

All of this to produce…


M
MOON SHIPYARD
MARINER
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MARINER