



HERRESHOFF & HAVEN 12¹/₂ **HARDWARE LISTS**



Dear 12¹/₂ Builder / Owner / Sailor / Restorer,

Thank you for your interest in our products. You have chosen an elegant boat as much for its beauty as for its performance and comfort, a timeless classic. Fine and appropriate hardware is as important to the overall look of the finished boat as beautifully varnished brightwork and graceful lines. Your sailboat's running rigging is also your connection to the power of your boat. If this connection isn't smooth, efficient and pleasing, the experience of sailing will be continuously frustrating. Our hardware makes this connection flawlessly, beautifully and authentically. We are recognized worldwide for making the finest bronze blocks and hardware available. We are the only authorized and licensed manufacturer of the Herreshoff designs. You will be rewarded for choosing J.M Reineck & Son hardware every time you look at or sail your boat, it truly is jewelry for your boat!

Included in this special catalog are eight lists of rigging variants. The Haven 12¹/₂ designer, Joel White, enthusiastically approved of our hardware and these suggested rigs in 1996. They allow you to incorporate unique features of our reproduction Herreshoff hardware that are particularly suited to the Haven 12¹/₂. With our hardware, you will come as close as is possible today to matching the beautiful high quality hardware used on the original Herreshoff 12¹/₂s, the inspiration for the Haven 12¹/₂.

We can supply all the necessary blocks and fittings to rig your **Haven** or **Herreshoff 12¹/₂** in any way you prefer. For your convenience, we have enclosed eight standard hardware lists, itemizing the blocks and hardware needed for your boat and the cost of each variant. There are lists for both Gaff and Marconi rigging, with or without a masthead cone ^(note 2) (gaff rig) or mast tangs ^(note 3) (Marconi rig), and with the main sheet rigged as in Joel White's plans or as the Herreshoff Manufacturing Co. rigged their 12¹/₂s. Please study this information and consider carefully the options discussed below.

Options that must be specified are:

1. **Is your boat gaff rigged or Marconi?** If your boat is Marconi rigged, you will not need the peak and throat halyard blocks and you will need, instead, a halyard sheave and pin in the masthead.
2. **If your boat is gaff rigged, will you be using a mast cone or spliced shrouds and forestay?** The mast cone is a casting closed at the top that fits over the tip of the mast. It has eyes cast onto it that provide attachment points for all the halyard blocks, and ears for the shrouds and the fore stay. With this fitting, the shrouds and forestay can use standard swaged jaw terminations. The mast cone eliminates the wooden hounds on the mast and the expensive and unstable eye splices in the forestay and shrouds. If you plan to trailer sail, we strongly recommend using this fitting. If this fitting is to be used, you will notice that the attachments for the blocks for the peak and the jib halyard are changed from front to cross shackles and three spar flanges are eliminated.

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3. **If Marconi rigged, will you use eye-spiced shrouds & forestay, or the cast bronze mast tangs we offer?** The design as shown in the how-to-build book, shows complicated built-up wooden hounds that require the upper end of all the stays to have eyes spliced in. The tangs we offer allow you to use swaged terminals there instead. This is a considerable simplification for both the mast construction and the stays, and well worth considering, especially if you trailer sail.
4. **Main Sheet Rigging / Swivel Cam Cleat option:** This boat can be rigged as Joel White suggests or as the Herreshoff Co. rigged it. Joel White specifies a swivel cam cleat on the top of the centerboard trunk with the sheet leads coming from a block mounted at the middle of the main boom. The Herreshoff built boats, used only one block mounted above the transom on the boom, and brought the main sheet down from there back to a lead block on the transom and ran it forward to a small cleat on the after deck under the forward end of the tiller. If you plan to rig it as Joel White suggests, we make a swivel cam cleat assembly using one of our blocks, a Harken Cam-Matic 365 cam cleat and custom bronze arm and swivel of our design. (Contemporary versions in bronze are not of acceptable quality for use here.) Aft sheeting ala Herreshoff leaves the cockpit sole clear of lines that are constantly under your feet or your passengers' and it eliminates one of the most expensive fittings, the swivel cam cleat, one block and spar flange on the boom.
5. **Traveler type:** We manufacture only the bent-rod type traveler with flange bases. This type of traveler was used on all later Herreshoff 12½s. We recommend wrapping the traveler rod below the bend and above the base with marline to prevent the block from sliding too far around the bend. The "ball-end" type as specified in the Joel White plans was used on very early Herreshoff 12½s. With the ball end type of traveler, the block bangs into the ball noisily when tacking. This type traveler can be special ordered at no additional cost if desired. Both styles use a block with front shackle.

Although our hardware and blocks are built from stock designs and components, we build them to order and therefore many of the parts are not in stock ready for delivery. Please allow 6-8 weeks for us to build your hardware except during peak season (June - Aug.).

Use e-mail for written communications, but the telephone will greatly speed up exchanges. We hope to hear from you soon. If we can be of further assistance, please call, fax, write or e-mail us, we will be happy to help in any way we can.

This is a buyer-be-ware marketplace environment. Please consult independent and reliable sources of opinion such as the WoodenBoat Forum (WoodenBoat.com) and seek opinions on the manufacturers and products you are considering.

Best regards, Jim Reineck
Owner

Our Guarantee

Every product we manufacture is inspected for physical defects, uniformity and aesthetic quality and made entirely of U.S.A. made materials. They are guaranteed for the life of the original owner when used for their intended purpose and reasonably cared for. If you have a problem, we want to know about it. All we ask is that you return it to us and tell us what happened.

If you're not happy, we're not happy!

Return Policy: Standard products can be returned in unused conditions within six weeks of purchase. Thereafter please call. We try to be reasonable.

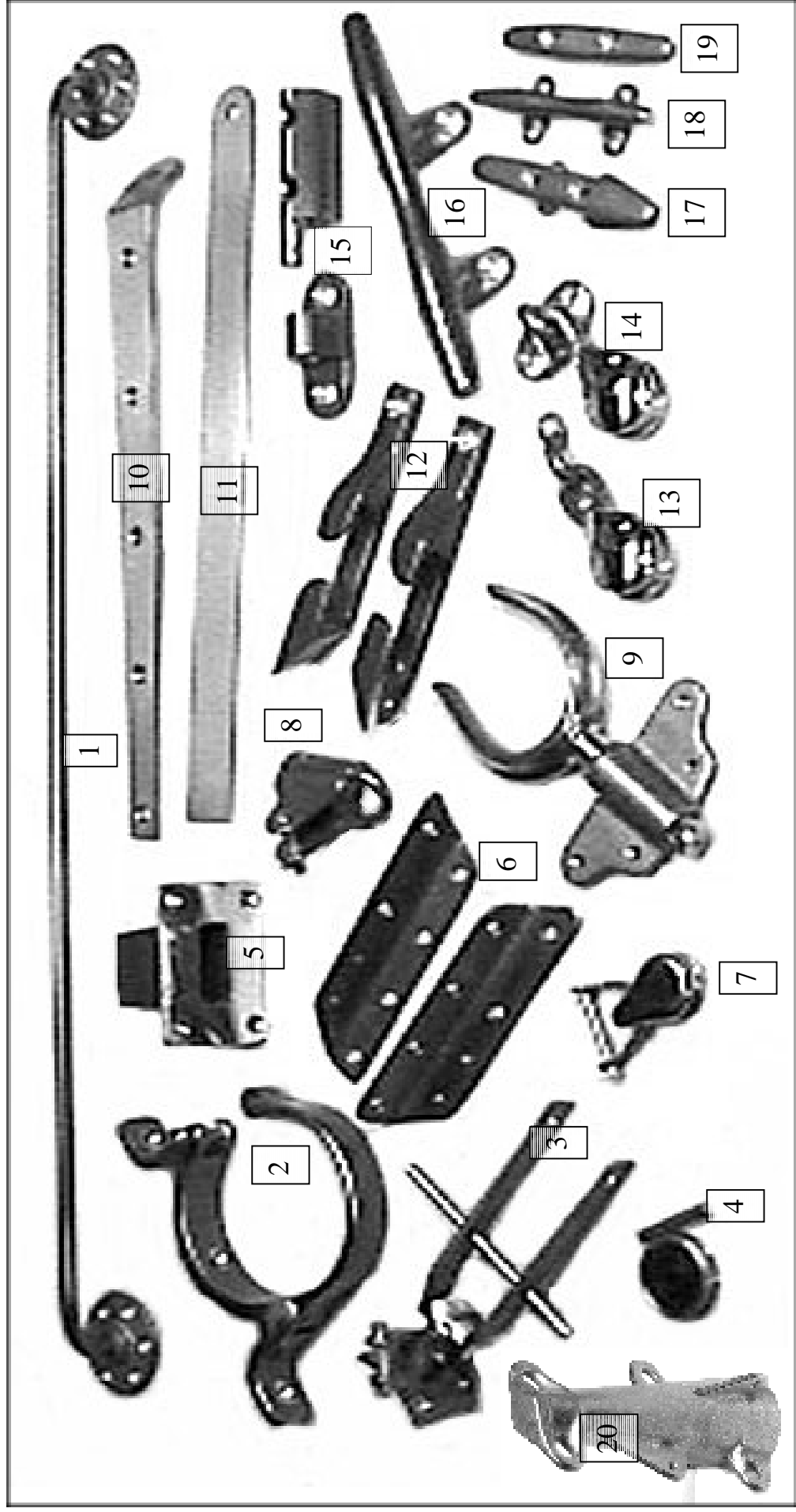
9 Willow Street, Hull, MA 02045-1121; Phone: 781-925-3312; Fax: 781-925-8984
E-Mail: sales@BronzeBlocks.com; Visit our web sight; <http://www.BronzeBlocks.com>

J. M. REINECK & SON

March 29, 2011

1. Traveler, Ø3/8" x 26" (late style)
2. Mast Partner, Hinged
3. Gooseneck Assembly w/Rivet
4. Main Halyard Sheave w/Pin (Marconi only)
5. Boom Crutch Socket
6. Coaming Corner Clips
7. Jib Club Sheet Block & Bail
8. Jib Club Tack Socket & Tack Hook (not shown)
9. Oarlock and Socket
10. Stem Band
11. Chain Plate (2 Required)
12. Bow Chock Set w/Rivet
13. 3/8" Series Block w/Traveler Link & Deck Bow

14. 3/8" Block w/Plain Hook & Spar Flange
15. Rudder Gudgeon & Pintle (2 Pr. Req'd.)
16. Mooring Cleat 7 5/8"
17. Jam Cleat 5"
18. Halyard Cleat (4 1/8" shown)
19. Jam Cleat, 4" Footless HMCo. Style
20. Masthead Cone (optional)



Gaff Rigged Herreshoff & Haven 12½ hardware and accessory list.

Options: Mast Cone & Swivel Cam Cleat For Mainsheet Rigged per Joel White's plans.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Your cost</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly, Complete	1	\$195.00	\$ 195.00
3	Jib Club Tack Socket (jib boom fore end)	1	\$95.00	\$ 95.00
4	Jib Club Tack Fitting (hook on stem)	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming Clips (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore) Pr.	1	\$145.00	\$ 145.00
10	Masthead Cone	1	\$135.00	\$ 135.00
11	Mast Hoops, 4½" Steam bent White Oak; riveted, glued & Sealed	5	\$55.00	\$ 275.00
12	Gaff Jaws (steam bent White Oak, rough cut)	1	\$125.00	\$ 125.00
13	Bronze Gaff Jaw Bail	1	\$65.00	\$ 65.00
14	Boom Crutch Socket	1	\$132.00	\$ 132.00
15	Swivel Cam Cleat, Main Sheet w/3/8" Block	1	\$280.00	\$ 280.00
16	Traveler Assembly, 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
17	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
18	Block, Main Sheet On Traveler; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
19	Block, Main Sheet on Boom; 3/8" w/Font Shackle	2	\$123.00	\$ 246.00
20	Spar Flange for Main Sheet Blocks and end of sheet a boom tip	3	\$38.00	\$ 114.00
21	Block, Peak Halyard on Mast; 3/8" Block w/Cross Shackle	1	\$123.00	\$ 123.00
22	Block, Peak Halyard Bridle; 3/8" Block w/Span Hook	1	\$100.00	\$ 100.00
23	Block, Throat Halyard on Mast; 3/8" Block w/Throat Hanging & Becket	1	\$145.00	\$ 145.00
24	Block, Throat Halyard at Throat; 3/8" Block w/Plain Hook	1	\$100.00	\$ 100.00
25	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
26	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
27	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
28	Deck Bow for Jib Sheet	2	\$18.00	\$ 36.00
29	Block, Jib Halyard at masthead; 3/8" w/Cross Shackle	1	\$123.00	\$ 123.00
30	Cleat; 5 1/8", Halyard & Jib Sheet, one size up for 3/8" line	4	\$78.00	\$ 312.00
31	Stem Band	1	\$70.00	\$ 70.00
32	Chain Plates	1 pr.	\$100.00	\$ 100.00
33	Throat Tang	1	\$65.00	\$ 65.00

\$4461.00

Optional equipment

34	Cleat, 5 1/8" For Dock lines and Spinnaker sheets	2	\$78.00	\$ 156.00
35	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
36	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
37	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
38	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchors supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
- Blocks are polished; all other cast parts are tumbled to a fine bright finish.
- Delivery; 6-8 weeks from date of receipt of order June- August.

All hardware is made in the United States.

Gaff Rigged Herreshoff & Haven 12½ hardware and accessory list.

Options: Eye-spliced forestay and shrouds & Swivel Cam Cleat For Mainsheet Rigged per Joel White's plans.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Your cost</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly, Complete	1	\$195.00	\$ 195.00
3	Jib Club Tack Socket (jib boom fore end)	1	\$95.00	\$ 95.00
4	Jib Club Tack Fitting (hook on stem)	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming Clips (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore), Pr.	1	\$145.00	\$ 145.00
10	Mast Hoops, 4½" Steam bent White Oak; riveted, glued & Sealed	5	\$55.00	\$ 275.00
11	Gaff Jaws (steam bent White Oak, rough cut)	1	\$125.00	\$ 125.00
12	Bronze Gaff Jaw Bail	1	\$65.00	\$ 65.00
13	Boom Crutch Socket	1	\$132.00	\$ 132.00
14	Swivel Cam Cleat, Main Sheet	1	\$280.00	\$ 280.00
15	Traveler Assembly, 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
16	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
17	Block, Main Sheet on Traveler; 3/8" w/ Front Shackle	1	\$123.00	\$ 123.00
18	Block, Main Sheet on Boom; 3/8" w/Font Shackle	2	\$123.00	\$ 246.00
19	Spar Flange for Jib & Peak halyard & Main Sheet Blocks	5	\$38.00	\$ 190.00
20	Block, Peak Halyard on Mast; 3/8" Block w/front Shackle	1	\$123.00	\$ 123.00
21	Block, Peak Halyard Bridle; 3/8" Block w/Span Hook	1	\$100.00	\$ 100.00
22	Block, Throat Halyard on Mast; 3/8" Block w/Throat Hanging & Becket	1	\$145.00	\$ 145.00
23	Block, Throat Halyard at Throat; 3/8" Block w/Plain Hook	1	\$100.00	\$ 100.00
24	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
25	Deck Bow for Jib Sheet	2	\$18.00	\$ 36.00
26	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
27	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
28	Block, Jib Halyard at masthead; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
29	Cleat; 4 1/8", Halyard & Jib Sheet	4	\$64.00	\$ 256.00
30	Stem Band	1	\$70.00	\$ 70.00
31	Chain Plates	1 pr.	\$100.00	\$ 100.00
32	Throat Tang	1	\$65.00	\$ 65.00
				\$4346.00

Optional equipment

33	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
34	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
35	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
36	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
37	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

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- Blocks are polished; all other cast parts are tumbled to a fine bright finish.
- Delivery; 6-8 weeks from date of receipt of order except June- August.

All hardware is made in the United States.

Gaff Rigged Herreshoff & Haven 12½ hardware and accessory list.

Options: Mast Cone & Mainsheet rigged as on Herreshoff originals. ¹

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Your cost</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly Complete w/rivet	1	\$195.00	\$ 195.00
3	Jib Club Gooseneck Fitting w/rivet	1	\$95.00	\$ 95.00
4	Jib Club Gooseneck Hook	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming Clips (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore), Pr.	1	\$145.00	\$ 145.00
10	Masthead Cone	1	\$135.00	\$ 135.00
11	Mast Hoops, 4½" Steam bent White Oak; riveted, glued & Sealed	5	\$55.00	\$ 275.00
12	Gaff Jaws (steam bent White Oak, rough cut)	1	\$125.00	\$ 125.00
13	Bronze Gaff Jaw Bail	1	\$65.00	\$ 65.00
14	Boom Crutch Socket	1	\$132.00	\$ 132.00
15	Traveler Assembly, 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
16	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
17	Block, Main on Traveler; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
18	Block, Main Sheet on Boom; 3/8" w/Font Shackle	1	\$123.00	\$ 123.00
19	Block, Main Sheet Lead Block on Transom; 3/8" w/Traveler Link	1	\$100.00	\$ 100.00
20	Deck Bow for Main Sheet Lead Block on Transom	1	\$18.00	\$ 18.00
21	Main Sheet Cleat, 5 1/8" on After Deck	1	\$78.00	\$ 78.00
22	Spar Flange for Main Sheet Blocks and end of sheet a boom tip	2	\$38.00	\$ 76.00
23	Block, Peak Halyard on Mast; 3/8" Block w/Cross Shackle	1	\$123.00	\$ 123.00
24	Block, Peak Halyard Bridle; 3/8" Block w/Span Hook	1	\$100.00	\$ 100.00
25	Block, Throat Halyard on Mast; 3/8" Block w/Throat Hanging & Becket	1	\$145.00	\$ 145.00
26	Block, Throat Halyard at Throat; 3/8" Block w/Plain Hook	1	\$100.00	\$ 100.00
27	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
28	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
29	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
30	Deck Bow for Jib Sheet	2	\$18.00	\$ 36.00
31	Block, Jib Halyard at masthead; 3/8" w/Cross Shackle	1	\$123.00	\$ 123.00
32	Cleat; 4 1/8", Halyard & Jib Sheet	4	\$64.00	\$ 256.00
33	Stem Band	1	\$70.00	\$ 70.00
34	Chain Plates	1 pr.	\$100.00	\$ 100.00
35	Throat Tang	1	\$65.00	\$ 65.00
				\$4160.00
<u>Optional equipment</u>				
36	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
37	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
38	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
39	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
40	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchors supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
- Blocks are polished; all other cast parts are tumbled to a fine bright finish.
- Delivery; 6-8 weeks from date of receipt of order except June- August.

1. This is the mainsheet rig as it was done on the original Herreshoff built 12½s. The lead for the mainsheet comes directly back down to a lead block on the transom (rather than off the center of the boom into the middle of the cockpit), then forward to a cleat just under the tiller head on the after deck. This is the superior arrangement in my opinion!

Gaff Rigged Herreshoff & Haven 12½ hardware and accessory list.

Options: Eye Spliced shrouds and forestay & Mainsheet rigged as on Herreshoff originals. ¹

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Your cost</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly	1	\$195.00	\$ 195.00
3	Jib Club Gooseneck Tack Fitting	1	\$95.00	\$ 95.00
4	Jib Club Gooseneck Hook	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming corner Brackets (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore)	Pr.	\$140.00	\$ 140.00
10	Mast Hoops, 4½" Steam bent White Oak; riveted, glued & Sealed	5	\$55.00	\$ 275.00
11	Gaff Jaws (steam bent White Oak, rough cut)	1	\$125.00	\$ 125.00
12	Bronze Gaff Jaw Bail	1	\$65.00	\$ 65.00
13	Boom Crutch Socket	1	\$132.00	\$ 132.00
14	Traveler Assembly, 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
15	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
16	Block, Main on traveler; 3/8" w/Front shackle	1	\$123.00	\$ 123.00
17	Block, Main Sheet on Boom; 3/8" w/Font Shackle	1	\$123.00	\$ 123.00
18	Block, Main on transom; 3/8" w/Traveler link	1	\$100.00	\$ 100.00
19	Deck Bow for Jib Sheet for main sheet lead block on transom	1	\$18.00	\$ 18.00
20	Spar Flange for Jib & Peak halyard & Main Sheet Blocks & sheet at tip of a boom	5	\$38.00	\$ 190.00
21	Main Sheet Cleat, 5 1/8" on After Deck	1	\$78.00	\$ 78.00
22	Block, Peak Halyard on Mast; 3/8" Block w/Front Shackle	1	\$123.00	\$ 123.00
23	Block, Peak Halyard Bridle; 3/8" Block w/Span Hook	1	\$100.00	\$ 100.00
24	Block, Throat Halyard on Mast; 3/8" Block w/Throat Hanging & Becket	1	\$145.00	\$ 145.00
25	Block, Throat Halyard at Throat; 3/8" Block w/Plain Hook	1	\$100.00	\$ 100.00
26	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
27	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
28	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
29	Deck Bow for Jib Sheet	2	\$18.00	\$ 36.00
30	Block, Jib Halyard at masthead; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
31	Cleat; 4 1/8", Halyard & Jib Sheet	4	\$64.00	\$ 256.00
32	Stem Band	1	\$70.00	\$ 70.00
33	Chain Plates	1 pr.	\$100.00	\$ 100.00
34	Throat Tang	1	\$65.00	\$ 65.00

\$4134.00

Optional equipment

35	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
36	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
37	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
38	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
39	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchors supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
- Blocks are polished; all other cast parts are tumbled to a fine bright finish.
- Delivery; 6-8 weeks from date of receipt of order except June- August.

1. This is the mainsheet rig as it was done on the original Herreshoff built 12½s. The lead for the mainsheet comes directly back down to a lead block on the transom (rather than off the center of the boom into the middle of the cockpit), then forward to a cleat just under the tiller head on the after deck. This is the superior arrangement in my opinion!

All hardware is made in the United States.

Marconi Rigged Herreshoff & Haven 12½ hardware and accessory list.

Options: Eye Spliced shrouds and forestay & Mainsheet Rigged as on Herreshoff originals. ¹

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Your cost</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly	1	\$195.00	\$ 195.00
3	Jib Club Gooseneck Tack Fitting	1	\$95.00	\$ 95.00
4	Jib Club Gooseneck Hook	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming corner Brackets (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore)	Pr.	\$140.00	\$ 140.00
10	Boom Crutch Socket	1	\$132.00	\$ 132.00
11	Traveler Assembly, 3/8" x 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
12	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
13	Block, Main on Traveler; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
14	Block, Main Sheet on Boom; 3/8" w/Font Shackle	1	\$123.00	\$ 123.00
15	Spar Flange for Main Sheet Block and end of sheet a boom tip & Jib halyard	3	\$38.00	\$ 114.00
16	Main Sheet Block on Transom; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
17	Main Sheet Cleat, 5 1/8" on After Deck	1	\$78.00	\$ 78.00
18	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
19	Deck Bow for Jib Sheet & Main sheet Lead on Transom	3	\$18.00	\$ 54.00
20	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
21	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
22	Block, Jib Halyard at masthead; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
23	Cleat; 4 1/8", Halyard & Jib Sheet	3	\$64.00	\$ 192.00
24	Stem Band	1	\$70.00	\$ 70.00
25	Chain Plates	1 pr.	\$100.00	\$ 100.00
26	Sheave and Pin, Main Halyard (in mortise in masthead)	1	\$55.00	\$ 55.00
				\$3051.00
<u>Optional equipment</u>				
27	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
28	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
29	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
30	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
31	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchor supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
 - Blocks are polished; all other cast parts are tumbled to a fine bright finish.
 - Delivery; 6-8 weeks from date of receipt of order except June- August.
1. This is the mainsheet rig as it was done on the original Herreshoff built 12½s built at the Herreshoff Manufacturing Company. The lead for the mainsheet comes back down to a lead block on the transom (rather than into the middle of the cockpit), then forward to a cleat just under the tiller head on the after deck. This is a much-preferred arrangement in my opinion!

Marconi Rigged Herreshoff & Haven 12½ hardware and accessory list.

Options: Eye Spliced Forestay and shrouds & Swivel Cam Cleat For Mainsheet Rigged per Joel White's plans.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Your cost</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly	1	\$195.00	\$ 195.00
3	Jib Club Gooseneck Tack Fitting	1	\$95.00	\$ 95.00
4	Jib Club Gooseneck Hook	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming corner Brackets (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore)	1Pr.	\$140.00	\$ 140.00
10	Boom Crutch Socket	1	\$132.00	\$ 132.00
11	Swivel Cam Cleat, Main Sheet	1	\$280.00	\$ 280.00
12	Traveler Assembly, 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
13	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
14	Block, Main on Traveler; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
15	Block, Main Sheet on Boom; 3/8" w/Font Shackle	2	\$123.00	\$ 246.00
16	Spar Flange for Main Sheet Blocks and end of sheet a boom tip & Jib halyard	4	\$38.00	\$ 152.00
17	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
18	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
19	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
20	Deck Bow for Jib Sheet	2	\$18.00	\$ 36.00
21	Block, Jib Halyard at masthead; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
22	Cleat; 4 1/8", Halyard & Jib Sheet	3	\$64.00	\$ 192.00
23	Stem Band	1	\$70.00	\$ 70.00
24	Chain Plates	1 pr.	\$100.00	\$ 100.00
25	Sheave and Pin, Main Halyard (in mortise in masthead)	1	\$55.00	\$ 55.00
			Total	\$3296.00

Optional equipment

26	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
27	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
28	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
29	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
30	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchor supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
- Blocks are polished; all other cast parts are tumbled to a fine bright finish.
- Delivery; 6-8 weeks from date of receipt of order except June- August.

All hardware is made in the United States.

Marconi Rigged Herreshoff & Haven 12½ hardware list

Options: Cast Mast Tangs for Forestay and Shrouds¹ & Mainsheet Rigged as on Herreshoff Originals.²

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Total</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly	1	\$195.00	\$ 195.00
3	Jib Club Gooseneck Tack Fitting	1	\$95.00	\$ 95.00
4	Jib Club Gooseneck Hook	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming Clips (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeon	2	\$60.00	\$ 120.00
8	Pintle	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore)	1 Pr.	\$140.00	\$ 140.00
10	Mooring Cleat 7 ¾"	1	\$145.00	\$ 145.00
11	Traveler Assembly, 3/8" x 26" (bent rod type w/bases)	1	\$205.00	\$ 205.00
12	Boom Crutch Socket	1	\$132.00	\$ 132.00
13	Stem Band	1	\$70.00	\$ 70.00
14	Chain Plate, Pr.	1	\$100.00	\$ 100.00
15	Cleat; 4 1/8", Halyard & Jib Sheet	3	\$64.00	\$ 192.00
16	Block Main Sheet on Traveler; 3/8" Series w/Front Shackle	1	\$123.00	\$ 123.00
17	Block Main Sheet on Transom; 3/8" Series w/Traveler Link,	1	\$100.00	\$ 100.00
18	Block Main Sheet on Boom; 3/8" Series w/Front Shackle,	1	\$123.00	\$ 123.00
19	Spar Flange for Blocks, Main Sheet, dead end, boom Block & Jib Halyard	3	\$38.00	\$ 114.00
20	Main Sheet Cleat, 5 1/8" on After Deck	1	\$78.00	\$ 78.00
21	Block, 3/8" Short, Jib Sheet on Jib Boom	1	\$74.00	\$ 74.00
22	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
23	Block, 3/8" Series Block w/Traveler Link, Jib Sheet	1	\$100.00	\$ 100.00
24	Deck Bow; for Jib & Main Sheet	3	\$18.00	\$ 54.00
25	Block, 3/8" series w/Front shackle, Jib Halyard at Masthead	1	\$123.00	\$ 123.00
26	Sheave and Pin, Main Halyard (in mortise in masthead)	1	\$55.00	\$ 55.00
27	Mast Tang, Forestay and Shroud Attachment Point (see note 1 below)	Set	\$225.00	\$ 225.00
			Total	\$3276.00
<u>Optional equipment</u>				
28	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
29	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
30	Spinnaker Pole End Hook	2	\$135.00	\$ 270.00
31	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
32	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchors supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
 - Blocks are polished; all other cast parts are tumbled to a fine bright finish.
 - Delivery; 6-8 weeks from date of receipt of order except June- August.
1. Mast tangs eliminate the complication of the wooden hounds needed if the shrouds and forestay are spliced eyes (Fig. 215 page 52 of the How to build book). They provide attachment points for forked terminations and accommodate ¼" clevis pins.
 2. This is the mainsheet rig as it was done on the original Herreshoff built 12½s built at the Herreshoff Manufacturing Company. The lead for the mainsheet comes back down to a lead block on the transom (rather than into the middle of the cockpit), then forward to a cleat just under the tiller head on the after deck.

All hardware is made in the United States.

Marconi Riggged Herreshoff & Haven 12½ hardware and accessory list.

Options: Cast Mast Tangs for Forestay & Shrouds¹ & Swivel Cam Cleat For Mainsheet per Joel White's plans.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price @</u>	<u>Total</u>
1	Mast Partner, Hinged	1	\$175.00	\$ 175.00
2	Gooseneck Assembly	1	\$195.00	\$ 195.00
3	Jib Club Gooseneck Tack Fitting	1	\$95.00	\$ 95.00
4	Jib Club Gooseneck Hook	1	\$45.00	\$ 45.00
5	Bow Chocks (Port & Starboard)	1 pr.	\$195.00	\$ 195.00
6	Coaming corner Brackets (Port & Starboard)	1 pr.	\$145.00	\$ 145.00
7	Gudgeons	2	\$60.00	\$ 120.00
8	Pintles	2	\$60.00	\$ 120.00
9	Oarlock Socket (5/8" Bore)	1 Pr.	\$140.00	\$ 140.00
10	Boom Crutch Socket	1	\$132.00	\$ 132.00
11	Swivel Cam Cleat, Main Sheet	1	\$280.00	\$ 280.00
12	Traveler Assembly, 26" (bent rod w/bases)	1	\$205.00	\$ 205.00
13	Mooring Cleat (7 ¾")	1	\$145.00	\$ 145.00
14	Block, Main on traveler; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
15	Block, Main Sheet on Boom; 3/8" w/Font Shackle	2	\$123.00	\$ 246.00
16	Spar Flange for Blocks, Main Sheet, dead end, boom Block & Jib Halyard	4	\$38.00	\$ 152.00
17	Block, Jib Sheet on Jib Boom; 3/8" Short Block	1	\$74.00	\$ 74.00
18	Jib Sheet Block Bail for Jib Club	1	\$33.00	\$ 33.00
19	Jib Sheet Block; 3/8" Block w/Traveler Link	1	\$100.00	\$ 100.00
20	Deck Bow for Jib Sheet & Main sheet Lead Block on Transom	3	\$18.00	\$ 54.00
21	Block, Jib Halyard at masthead; 3/8" w/Front Shackle	1	\$123.00	\$ 123.00
22	Cleat; 4 1/8", Halyard & Jib Sheet	3	\$64.00	\$ 192.00
23	Stem Band	1	\$70.00	\$ 70.00
24	Chain Plates, Pr.	1	\$100.00	\$ 100.00
25	Sheave and Pin, Main Halyard (in mortise in masthead)	1	\$55.00	\$ 55.00
26	Mast Tang, Forestay and Shroud Attachment Point (see note 1 below)	Set	\$225.00	\$ 225.00
			Total	\$3539.00
<u>Optional equipment</u>				
27	Cleat, 5 1/8" for dock lines in stern & spinnaker sheets	2	\$78.00	\$ 156.00
28	Oarlock Horn (5/8" Shank)	2	\$100.00	\$ 200.00
29	Spinnaker Pole End Hook	2	\$125.00	\$ 250.00
30	Spinnaker Pole Flange Eye	1	\$85.00	\$ 85.00
31	Anchor, 7½lb. Herreshoff bronze folding stock *	1	\$475.00	\$ 475.00

* Authentic reproduction of the anchors supplied as standard equipment on all 12½s built at the Herreshoff Manufacturing Co.

- Shipping and handling not included.
- Blocks are polished; all other cast parts are tumbled to a fine bright finish.
- Delivery; 6-8 weeks from date of receipt of order except June- August.

1 Mast tangs eliminate the complication of the wooden hounds needed if the shrouds and forestay are spliced eyes (Fig. 215 page 52 of the How to build book). They provide attachment points for forked terminations and accommodate ¼" clevis pins.

All hardware is made in the United States.



Classic Bronze Yacht Blocks from J.M. Reineck & Son

Review by Maynard Bray

With the revival of traditional wooden boats, especially new sailboats built to old designs, there's been a corresponding slow but steady increase in the demand for appropriate bronze hardware. By working the grapevine or making their own patterns, builders and restorers have been able to satisfy most of their hardware needs -- with the single exception of good bronze blocks. Unless one had a metal-turning lathe and was adept at using it, the machining, assembly and finishing were beyond the average boatbuilder. And because almost any sailboat requires a variety of end connections such as front and side shackles, hooks and eyes, becketts and straps, there was no practical way people whose primary occupation was building new boats, or fixing up old ones, could take the time to make their own bronze blocks.

Happily, that sad state of affairs has begun to change, thanks largely to Jim Reineck. As owner of a turn-of-the-century Herreshoff-built Buzzards Bay 15, Jim searched in vain for proper replacements for the boat's worn-out blocks, and during the quest discovered that other folks, too, were in much the same predicament. He believed he'd discovered market, and decided he and his wife, Mary, would go into the business of producing bronze blocks to Herreshoff drawings and, just as important, to Herreshoff standards of workmanship. Based on the samples I've seen, he's succeeded in meeting and has perhaps even exceeded those standards.

You can tell at a glance how carefully these blocks have been made. The machining is precise, and they haven't been overzealously polished (a mistake which can seriously thin-down load-carrying areas). But Jim has given his blocks an important new twist: He's fitted each one with ball bearings. This has the immediate benefit of reducing friction and, in the long run, cuts down the inevitable wear that always occurs when a sheave rotates directly on a pin, bronze-to-bronze. And they'll never squeak. In fact, these blocks carry a lifetime guarantee.

*You can tell at a glance
how carefully these blocks
have been made.*

Jim will furnish a variety of end connections, built to the same configuration as the originals. There are flat and concave flange eyes for deck and round spars; hooks that can be moused in place with marline; traveler links; shackles that can be used for both front and side mountings; span hooks for peak halyard bridles; and offset straps for attaching the throat halyard block to a round mast. Since all these connections are relatively inconspicuous and because the castings themselves are quite smooth, Jim has decided not to polish them, and to pass the resulting savings on to the customers. The shell and the sheaves, however, gleam like jewelry.

For the bearings, Jim uses 36 Delrin balls running in two rows. The sheave itself serves as the outer race; the inner race and the end caps are of Delrin. Because the Delrin parts are completely hidden, they don't detract at all from the appearance of the finished blocks; they look exactly like the originals; but the sheaves spin smoothly and almost silently, and will continue spinning effortlessly for years without lubrication. If you're committed to 100% authenticity, however, the blocks can be ordered with plain bearings.

At this writing, there's a line of 7/16" blocks for 3/8" rope -- the size Jim needed for his Buzzards Bay 15 and, fortunately for me, the size of AIDA's deck-mounted mizzen sheet block. The new Buzzards Bay 15s being built by Bullhouse Boatworks (WoodenBoat 124) are being fitted with them as well, as is the first Flatfish (Joel White's centerboard version of the Herreshoff Fish class) being built by Joe Youcha of the Alexandria Seaport Foundation. Jim Reineck forecasted that by the time this magazine is printed, a line of 3/8" blocks for 5/16" rope, would be available. Next will be added blocks for 7/16" rope, and from there, who knows? As one who has long admired the designs of all things Herreshoff, I'm delighted that Jim Reineck is in the business of building appropriate reproductions of the most beautiful small blocks I have ever seen.

*Maynard Bray is a contributing editor for **WoodenBoat** magazine J.M. Reineck & Son, 9 Willow St., Hull, MA 02045-1121; 781-925-3312; JMRandSon@aol.com. The basic 7/16" block (for 3/8"-diameter rope) is priced at \$40. To this must be added the cost of the end connection you select- an average cost of \$15.*