

Rev 27/12/64 & 4/1/65

Specification of a Ship proposed to be built
at Spangemouth. about 660 Tons Old Measure for
12 Years or higher class.

Length of Keel and Fore rake 112 feet.

Breadth over Sidesides $28\frac{1}{2}$ feet

Depth of Hold $17\frac{10}{12}$ feet.

Three Drawings are supplied. N^o 1 represents the
Midship section on a scale of $\frac{1}{2}$ inch per foot. N^o 2
Sheer plan $\frac{1}{4}$ inch per foot. N^o 3. Section at 26 Frame
of N^o 2 Drawing. $\frac{1}{2}$ inch per foot.

The Keel, Stem, and Sternpost to be sided and
moulded not less than $1\frac{1}{2}$ inches.

Plate on the top of the Keel 22 inches by $\frac{7}{16}$ inch
fastened with $1\frac{1}{2}$ inch Galvanized Iron Bolts, one Bolt
in each space between the Floors in the way of the
Keel and about 18 inches apart in the way of the
Stem and Sternpost.

Floor Plates 19 $\frac{1}{2}$ inches by $\frac{1}{2}$ inch.

Angle Iron Frames $4\frac{1}{2}$ " by $3\frac{1}{2}$ " by $\frac{7}{16}$ inch.

Reverse Bars $8\frac{1}{2}$ " by $2\frac{1}{2}$ " by $\frac{3}{8}$ inch.

Midship Keelson on top of Floors 18 inches by $\frac{7}{16}$ inch.

Four Angle Irons on Midship Keelson each $4\frac{1}{2}$ " by $3\frac{1}{2}$ "
by $\frac{7}{16}$ inch.

Two Bilge Keelsons on each side, each composed of
two Angle Irons $4\frac{1}{2}$ " by $3\frac{1}{2}$ " by $\frac{7}{16}$ inch rivetted back
to back.

Stringer Plate on Hold Beams 19 inches by $\frac{1}{2}$ inch.

Stringer Plate on Upper Deck Beams 25 inches by $\frac{1}{2}$ inch
in Midships.

Angle Irons on Stringers to both Decks $4\frac{1}{2}$ " by $3\frac{1}{2}$ " by $\frac{7}{16}$ inch.

Angle Iron on Stringers to Upper Deck alongside
of Deck to form a Waterway $8\frac{1}{2}$ " by $3\frac{1}{2}$ " by $\frac{3}{8}$ inch.

Upper and Lower Deck Beams Bull Iron 7 inches by $\frac{7}{16}$

inch. ^{Lower Deck $9\frac{1}{2}$ " by $\frac{3}{8}$ "} Angle Irons on Beams $8\frac{1}{2}$ " by $2\frac{1}{2}$ " by $\frac{3}{8}$ inch.

or instead of Bull and Angle Irons. See Bull Iron

Specification continued.

Beams.

Frames to be spaced 18 inches apart from centre to centre.
An Upper and Lower Deck Beam to be rivetted to every third Frame and either to be turned down, or have a Knee upon each end.

Beams to have Iron Pillars where necessary.

Longitudinal and also Diagonal ~~See~~ Plates on Upper Deck Beams 10½ inches by ½ inch.

See Plates on Lower Deck Beams either 10½ inches by ½ inch or an Angle Iron at middle line 4½" by 3½" by 7/16" in.

Sheer Streak Plate 20 inches by ½ inch.

Bidge Streak Plate 15 inches by ½ inch.

Diagonal Plates between Sheer and Bidge Streaks, spaced about 6½ feet apart on the square 7 inches by ½ inch.

X
X
An Angle Iron ^{4 feet long not less than 4 feet} 4 inches by 5 inches by 7/16" inch to be rivetted to the Floors, Frame and Keel Plate upon the opposite side of the Floors from the Frames.
Butt Straps for Plank, breadth of Plank ^{by} ½ inch thick.

The Sheer Streak Plate to extend 5½ inches above the top of the Angle Iron on Upper Deck Stringers and to have Iron Plates 5 inches by 3/8 inch or Angle Iron 3" by 3/8 inch, rivetted to it as shewn in Tracing No. 1 to form Stanchions along with the Stays also shewn in the same tracing.

Wood Bulwarks to be fastened to the above Plates.

The lower edge of Starboard Streak to be fastened to the Keel Plate by Galvanized Bolts and Nuts and to be bolted transversely through the Keel and each other.

X
Plank from Keel to the height allowed by Rule 5½ inch American Rock Elm. from that height to the top of Wales. 5½ inch Teak or other high classed wood. (Oak excluded) Above the Wales 4½ inch Teak or other high classed Wood. (Oak excluded)



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Specification continued.

X The Planks to be fastened to the Frames by $\frac{3}{4}$ inch Galvanized Iron Screw Bolts and Nuts.

X Main Deck Planks 6 inches by 4 inches Quebec Yellow Pine, fastened by ^{Galvanized} Iron Screw Bolts and Nuts.

Ceiling to be 2 $\frac{1}{2}$ inches thick and as shown in Tracing to be of Baltic Red Pine or any other description of wood if sound, and to be fastened by Screw Bolts and Nuts to the Reverse Bars.

The heads of Galvanized Iron Bolts which fasten the outside Planking on to be sunk $\frac{1}{4}$ inches into the Plank and to be plugged over with Plugs dipped in White Lead or other suitable substance to render them watertight.

In the Poop a reduction of sizes of material to be made according to Rule and every second Frame except in the way of Steplights &c. to go across and form the Beams.

At the front of Poop and on each side of Main Mast an additional Angle Iron ^{Beam} to be rivetted to Frame.

Adamson & Co

Braymouth 24 Decr 1864



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