

No 401 as built

CLASS

W. SIMONS & CO., LTD
LONDON WORKS,
RENFREW.

SCALE $\frac{1}{2}" = 1 \text{ FT}$

NUMERALS.

$39.30 = \frac{1}{2} \text{ GIRTH}$
 $22.00 = \frac{1}{2} \text{ BREADTH.}$
 $\frac{19.66}{88.96} = \text{DEPTH}$
 $\frac{278.54}{32384}$
 24288
 64768
 6672
 192
 $534.4004 = 2^{\text{ND}} \text{ N.}$

PROPORTIONS

$$\begin{aligned} L/D &= 14.15 \\ L/B &= 6.3 \end{aligned}$$

DIMENSIONS

LENGTH [AS PER RULE] ---- 278'-4"
DEPTH [" " "] ---- 19'-8"
BREADTH MLD ----- 44'-0"

PRINCIPAL SCANTLING

FRAMES:- OUTSIDE OF DOUBLE BOTTOM $5' 2\frac{1}{2}" \times 9/20'$ FOR $3/8" L$ TO $8/20"$ & SPACED $24" C$ TO C
IN WAY OF " " $3\frac{1}{2}" \times 3\frac{1}{2}" \times 9/20'$ TO $8/20'$.

REV FRAMES:- IN WAY OF DOUBLE BOTTOM CARRIED TO MAIN & RAISED DKS ON EVERY FRAME. AT ENDS OF VESSEL TO BE CARRIED TO FCLG & RAISED DKS. TO BE DOUBLED ON ALTERNATE FRAMES IN E, B & PUMP SPACES & CARRIED TO RAISED DKS. IN DOUBLE BOTTOM REV FRAMES ARE DOUBLED UNDER ENGINES & BOILERS. SPACE

HOPPER FRAMES :- $5 \times 3\frac{1}{2} \times 9/20$. WELL FRAMES :- $5 \times 3\frac{1}{2} \times 9/20$ TO $8/20$

FLOORS :- 33"x8/20" TO 7/20" AT ENDS. UNDER ENGINES & BOILERS 10/20" THICK.

BULKHEADS:- HOPPER BHPs $\frac{9}{16}$ ". STIFFERs $5 \times 3 \frac{1}{2}$ " $\times \frac{9}{16}$ " SPACED 30" APART. & 48 HORIZONTALLY
OTHER BHPs $\frac{7}{16}$ ". STIFFERs $5 \times 3 \frac{1}{2}$ " $\times \frac{9}{16}$ " " " " " " "

BHPS CONNECTED TO INNER BOTTOM WITH DOUBLE $3\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{20}$ ANGLES

STERN POST :- $10" \times 4\frac{1}{4}"$ STEM :- $10" \times 2\frac{1}{2}"$ RUDDER STOCK :- $8" \text{ DIA. B. SINGLE PLT } 20/20 \text{ THK}$

RIVETING.

KEEL PLTS STRAPPED @ 1 R, STRAPS $\frac{3}{8}$ " THICKER THAN PLATES. REMAINDER OF SHELL STRAPPED @ T.R FOR $\frac{1}{2}$ LENGTH D.R AT ENDS, STRAPS $\frac{3}{8}$ " @ $\frac{1}{2}$ " THICKER THAN PLATES. DECK STRINGER PLATE STRAPPED @ T.R FOR $\frac{1}{2}$ LENGTH D.R AT ENDS, STRAPS $\frac{2}{8}$ " THICKER THAN PLATES. REMAINDER OF DECK PLATING STRAPPED @ D.R, STRAPS $\frac{2}{8}$ " THICKER THAN PLATES. BUTTS OF HOPPER & WELL STRAPPED @ D.R, STRAPS $\frac{1}{8}$ " THICKER THAN PLATES. & TREBLE RIVETS
5" DIA. @ $\frac{10}{16}$ THK.

BUTTS OF INNER BOTTOM STRAPPED & D.R. STRAPS $\frac{2}{30}$ " THICKER THAN PLATES

TRANSVERSE GIRDERS
SIDE PLATING $\frac{9}{20}$ THK

EQUIPMENT

2.	36	CWT.	STOCKLESS	ANCHOR
2	20	"	"	"
1.	10	"	"	"
1.	5	"	"	"
250	FATHOMS	198	STUD	LINK
100	"	13	"	"
80	"	"	SHORT	LINK
90	"	11	MANILLA	"
90	"	9	"	"
90	"	7	"	"

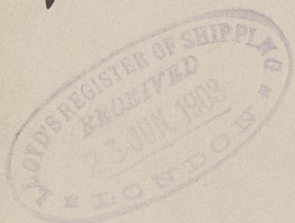
SECTION AFT OF HOPPER

SECTION AT HOPPER

SECTION AT WELL

Messrs W. Simons & Co
Sana Pump Hopper Dredger
No 401
Sections as built

s s 'Agnes'
Glasgow apt No 20914



m/s

RETAIN

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Foundation

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