

HOWALDTSWERKE  
KIEL.  
№ 17323 d. 27.10.05  
EIGENTHUMS- & VERVIelfÄL-  
TIGUNGSRECHT VORBEHALTEN.

2. 11. 05  
30. 6. 06

<u>Dimensions.</u>	<u>Builders</u>	<u>Slugs</u>
Length between Suprs.	284' 0"	284' 0"
Breadth extreme	42' 0"	41, 83
Depth of Mold	18' 3 9/20"	21, 44
" moulded	20' 7"	1/2 Breadth
No for frames	80, 84	1/2 Girth
" " plating	22, 240	Depth
" " equipment	25, 840	
<u>Caisson 12"</u>	20' 15 9/20" + horses on bridge	3 3/4 x 3 1/2 x 20
Depth is length	13, 25	way of a
Breadth "	6, 75	Class

$\frac{1}{2}$  Breadth = 20,92     20.92  
 $\frac{1}{2}$  Girth = 38,5     38.50  
 Depth = 21,44     21.63  
                              80,86     81.05  
 6 x 3  $\frac{1}{2}$  x 1/20     284  
 = 171.04     23.08  
 In way of knots 930  
 Class 100 A.1.1.

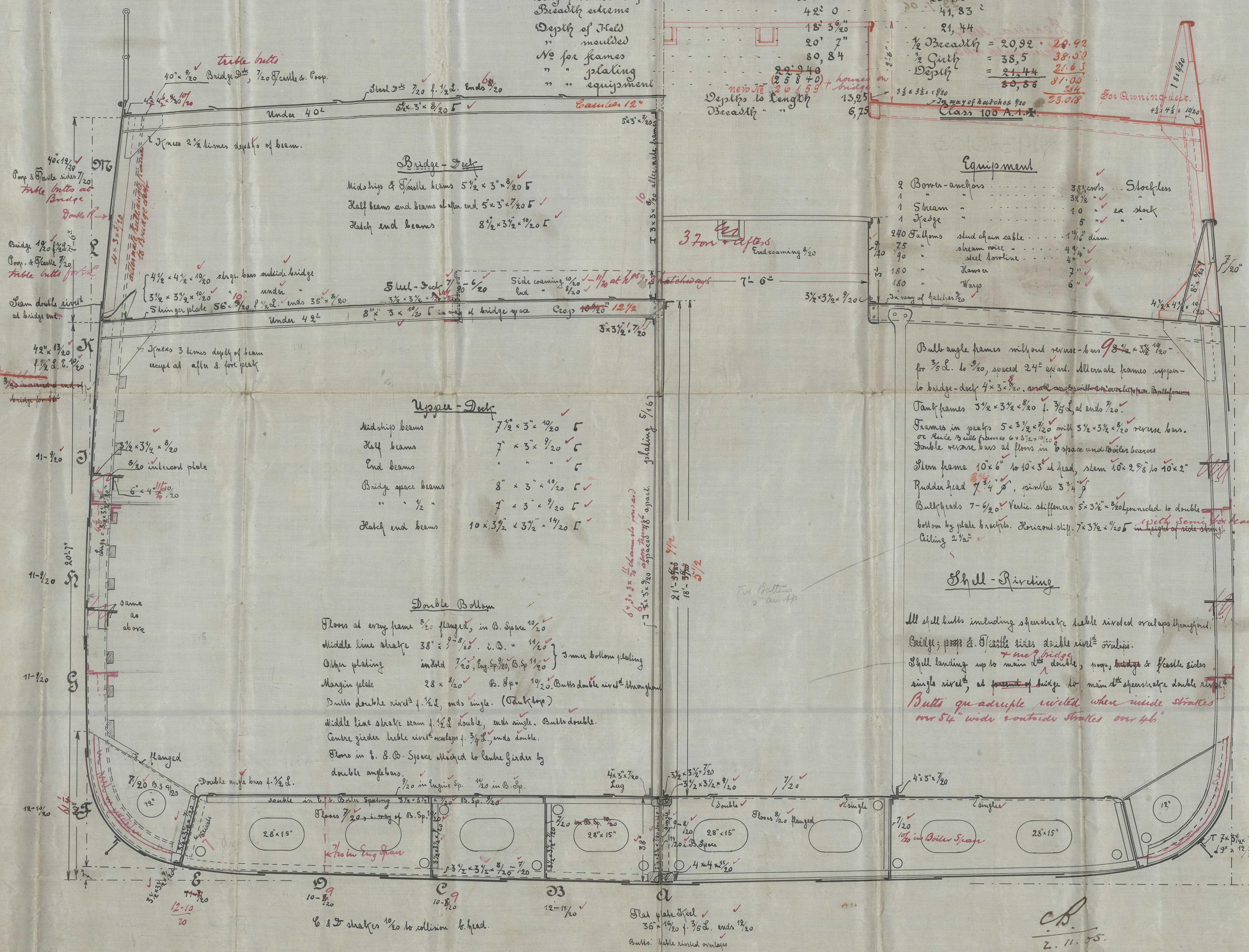
2	Bomber-anquons	3 3/8 cmbs	Stockless
1	"	3 3/8	"
1	Stream	10	ex stock
1	Spodge	5	"
240	Ballpens	1 1/2" diam.	
75	"	stream wire	
90	"	steel barline	
180	"	Kansu	
180	"	Warp	
In way of batches 2/20			

Bull angle frames without reverse-bars  $9\frac{1}{2} \times 3\frac{1}{2} \times 20$   
for  $\frac{3}{8}$  L. to  $\frac{1}{2}$ , spaced  $24"$  apart. Alternate frames upper-  
to bridge-deck  $4 \times 3 \times 20$ . *small ones with 1 or 2 layers Bull frames*  
Tank frames  $3\frac{1}{2} \times 3 \times 20$  for  $\frac{3}{8}$  L. at ends  $\frac{1}{2}$ .  
Frames in peaks  $5 \times 3\frac{1}{2} \times 20$  with  $3\frac{1}{2} \times 3 \times 20$  reverse bars.  
or *use Bull frames  $6 \times 3\frac{1}{2} \times 20$*   
Double reverse bars at floors in 6 space and boiler bases  
Stem frame  $10 \times 6$  to  $10 \times 3$  at head, stem  $10 \times 2\frac{1}{8}$  to  $10 \times 2$   
Rudder head  $7\frac{3}{4} \times 4$ , pinches  $3\frac{3}{4}$   
Bull heads  $7 - \frac{1}{2}$ . Vertical stiffeners  $5 \times 3\frac{1}{2} \times 20$  connected to double  
bottom by plate bracing. Horizontal stiff.  $7 \times 3\frac{1}{2} \times 20$  *with some for beam & vertical web*  
Casing  $2\frac{1}{2}$  *as per note.*

All shell butts including sphenochalc double riveted overlapped throughout.  
 Bridge; props 2. <sup>7</sup>/<sub>8</sub> shell sides double rivet<sup>d</sup> <sup>1</sup>/<sub>2</sub> rivets.  
 Shell landing up to main <sup>7</sup>/<sub>8</sub> double, props <sup>1</sup>/<sub>2</sub> bridge & shell sides  
 single rivet<sup>d</sup>, at front of bridge to main <sup>7</sup>/<sub>8</sub> sphenochalc double rivet<sup>d</sup>.  
 Butts quadruple riveted when inside strakes  
 over 5 1/2" wide outside strakes over 4 1/2"

Midships & Tackle beams  $5\frac{1}{2} \times 3 \times \frac{8}{20} \text{ F}$  ✓  
 Half beams and beams abfter mid  $5 \times 3 \times \frac{7}{20} \text{ F}$  ✓  
 Hatch end beams  $8\frac{1}{2} \times 3\frac{1}{2} \times \frac{10}{20} \text{ F}$  ✓

Handship beams  $7\frac{1}{2} \times 3 \times \frac{1}{20}$  5  
 Half beams  $7 \times 3 \times \frac{1}{20}$  5  
 End beams " " " 5  
 Bridge space beams  $8 \times 3 \times \frac{1}{20}$  5  
 " "  $\frac{1}{2}$  "  $7 \times 3 \times \frac{1}{20}$  5  
 Hatch end beams  $10 \times 3\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{20}$  5

[illegible]

2. 11. 05.



*5/2 Secalia Ham. Typ. N. 9310*

Frumentia

S. S. N<sup>o</sup> 444/45

Midship section

Hervaldtsverke

Ham. letter 28/10 '05

" 25/6/06

23. 7. 06

"Secalia" 444

Примеч. 445.

Barro

W93-0103