

REPORT ON BOILERS.

No. 49103

of writing Report 19 When handed in at Local Office 20 L 19 29 Port of *Glasgow*
 Received at London Office 24 APR 1929
 Survey held at *Annan* Date, First Survey *19-4-* Last Survey *19-4-* 19 29.
 Book. on the *Boiler No 10835* ✓ (Number of Visits *✓*) Tons { Gross *✓* Net *✓*
 Built at *Annan* By whom built *Messrs Cochran & Co. Annan Ltd.* When built *1929*
 Made at *Annan* By whom made *Messrs Cochran & Co. Annan Ltd.* When made *1929*
 Port belonging to

VERTICAL DONKEY BOILER— No. *One* Description *Vertical* Manufacturers of steel *D. Colville & Sons Ltd.*
 Made at *Annan* By whom made *Cochran & Co. Annan Ltd.* When made *1929* Where fixed Working pressure *100* ✓
 Tested by hydraulic pressure to *200* Date of test *19-4-29* No. of Certificate *18258* Fire grate area *374* Description of safety valves *Enclosed Spring*
 of safety valves *2* Area of each *7.06* Pressure to which they are adjusted *?* If fitted with easing gear *Yes* If steam from main boilers can
 the donkey boiler *No* Diameter of donkey boiler *8'-0"* Length *16'-6"* Material of shell plates *Steel* Thickness *9" 11" 9"* ✓
 of tensile strength *28-32* Description of riveting long seams *D.R. lap* Diameter of rivet holes *29/32"* Whether punched or
 drilled Pitch of rivets *2-825, 2-886, 2-675* Lap of plating *4 1/2"* Per centage of strength of joint Rivets *66.6* Working pressure of shell by
106.5 Thickness of shell crown plates *1/2", 1"* Radius of do. *4'-0"* No. of stays to do. *✓* Diameter of stays *✓* Diameter of
 Top *✓* Bottom *7'-0"* Length of furnace *4'-3 1/2"* Thickness of furnace side plates *✓* Description of joint *✓* Working
 of furnace by rules *124.2* Thickness of Ogee ring *1"* Working pressure of Ogee ring by rules *117* Thickness of furnace
 plates *5/8"* Radius of do. *3'-6"* Stayed by *Hemisphere* Diameter of uptake *2 1/2" x 25"* Thickness of uptake
 plates *9/16"* Thickness of tube plates front *37/32"* back *3/4"* Alean pitch of stay tubes in nest *13-44"* ✓ Pitch in outer vertical rows *9"*
 meter of tube holes FRONT stay *2 1/2"* BACK stay *2 1/2"* Working pressure of tube plates by rules *8. 109.3* Tubes: Material *Wrought iron*
 external diameter stay *2 1/2"* plain *2 1/2"* BACK plain *2 1/2"* Thickness stay *11/32"* plain *11/32"* No. of threads per inch *9* Pitch of tubes *3 1/2" x 4 1/2"* ✓
 Working pressure by rules *125* Manhole compensation: Size of opening in shell plate *16" x 12"* Section of compensating
4" x 3 1/2" No. of rivets and diameter of rivet holes *36 off 29/32"* Outer row pitch at ends *3-945"*
6" ✓

The foregoing is a correct description.
 J. H. Woodham Manufacturer.

During progress of work in shops— Surveyor on regular attendance
 During erection on board vessel— minimum four visits.
 Total No. of visits

Drawing No. 14630.

copy of
 Is the approved plan of boiler forwarded herewith *Yes*.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This boiler has been built under survey in accordance with the Rules and approved plan. Materials and workmanship are good. This boiler is to the order of Messrs. Walliker & Hindmarsh Cardiff for a ship belonging to R. B. Chelley Steam Navigation Co. Ltd.*

Sahsadmistries on board the S-S Penolov
See Off Rpt No 48.046

Dipky P. P. Pollard
3-6-29

Survey Fee ... £ 4 4 : : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 23 APR 1929
 Assigned TRANSMIT TO LONDON

FRI. 14 JUN 1929

John D. Woodham
 Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register
 Foundation

5500-9523