

ERS, & C. — (Letter for record ✓) Manufacturers of Steel 5/5 "Kisigothi" Stewart Aloys & Colville

KEY Heating Surface of Boilers 712 Is Forced Draft fitted no No. and Description of Boilers One single ended.

Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 5. 2. 06 No. of Certificate 7924

each boiler be worked separately ✓ Area of fire grate in each boiler 27 sq. ft No. and Description of Safety Valves to boiler 2 Patent spring Area of each valve 4. 91 Pressure to which they are adjusted 105 lbs Are they fitted with easing gear yes.

Least distance between boilers or uptakes and bunkers or woodwork ✓ Mean dia. of boilers 10. 0" Length 9. 0" Material of shell plates steel

Thickness 5/8" Range of tensile strength 28 to 32 Are the shell plates welded or flanged no Descrip. of riveting: cir. seams single

seams treble Diameter of rivet holes in long. seams 15/16" Pitch of rivets 3 3/4" Lap of plates or width of butt straps 6 5/8"

Percentages of strength of longitudinal joint rivets 75 Working pressure of shell by rules 101 lbs Size of manhole in shell 16" x 12"

of compensating ring McNeil's No. and Description of Furnaces in each boiler 2 Plain Material steel Outside diameter 3. 1"

Height of plain part top 5. 6" Thickness of plates crown 14" Description of longitudinal joint welded No. of strengthening rings 1 partial

Working pressure of furnace by the rules 123 lbs Combustion chamber plates: Material steel Thickness: Sides 9/16" Back 9/16" Top 1/2" Bottom 9/16"

Height of stays to ditto: Sides 8" x 11 1/2" Back 10" x 10" Top 8 1/2" x 8 1/2" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 109 lbs

Material of stays steel Diameter at smallest part 1. 22 Area supported by each stay 92 Working pressure by rules 106 lbs End plates in steam space: Material steel Thickness 3/32" Pitch of stays 14" x 23" How are stays secured nuts Working pressure by rules 116 lbs Material of stays steel

Thickness at smallest part 3. 43 Area supported by each stay 322 Working pressure by rules 106 Material of Front plates at bottom steel

Thickness 3/4" Material of Lower back plate steel Thickness 1/16" Greatest pitch of stays 14" x 10" Working pressure of plate by rules 110 lbs

Diameter of tubes 3" Pitch of tubes 4 1/4" x 4 1/4" Material of tube plates steel Thickness: Front 3/4" Back 1/16" Mean pitch of stays 11 1/4"

Pitch across wide water spaces 14" Working pressures by rules 103 lbs Girders to Chamber tops: Material iron Depth and thickness of girder at centre 2- 6" x 3/4" Length as per rule 2. 1 3/4" Distance apart 8 1/2" Number and pitch of stays in each 2- 8 1/2"

Working pressure by rules 128 lbs Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked

