

# HISTORIC STEAM BOILERS

## Part-2

EXAMPLE OF A MODERN TWO-STOREY BOILER.

TWO-FLUE LANCASHIRE BOILER BELOW AND SMOKE TUBES ABOVE

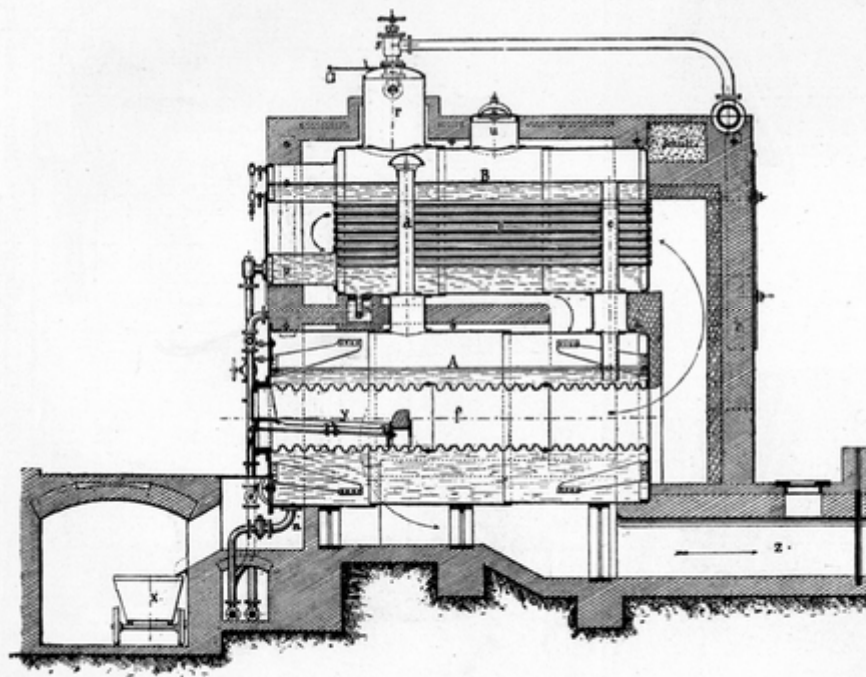


Fig. 119.—Longitudinal Section.

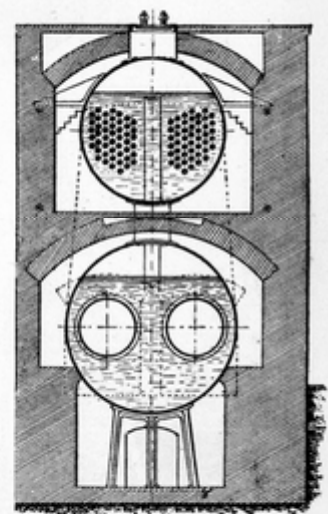
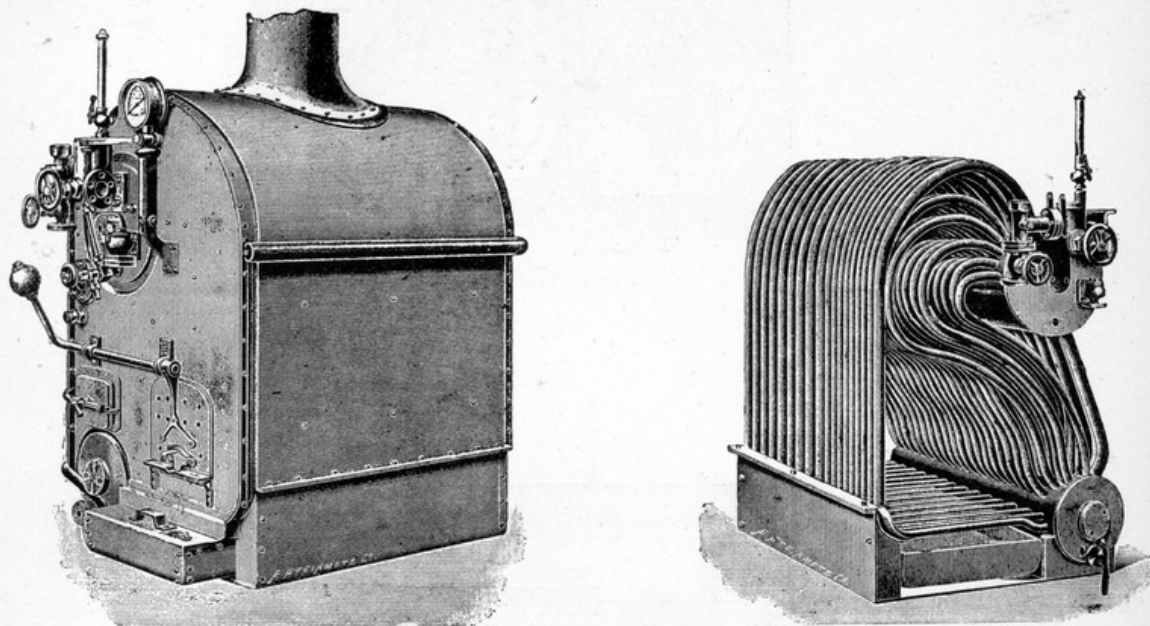


Fig. 120.—Cross Section.

EXAMPLES OF MODERN WATER TUBE BOILERS.

EXTERNAL FIRES.



Figs. 121 and 122.—WATER TUBE BOILERS with Small Tubes (Messrs THORNYCROFT).

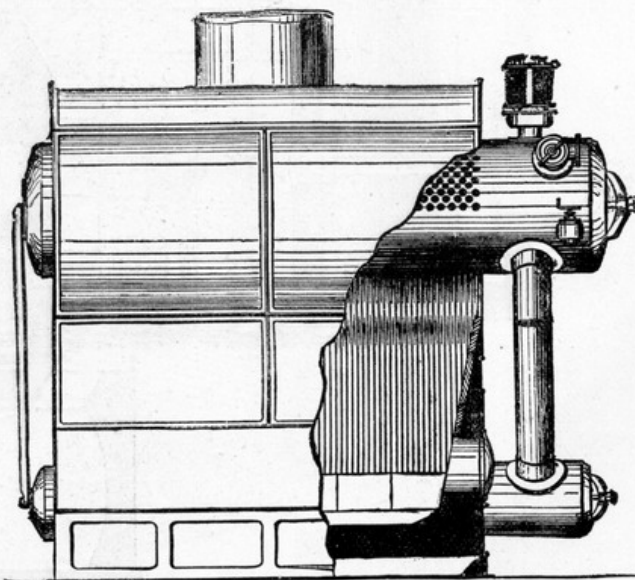


Fig. 123.—WATER TUBE BOILER, Larger Type (Messrs THORNYCROFT).

# EXAMPLES OF MODERN WATER TUBE BOILERS.

## EXTERNAL FIRES.

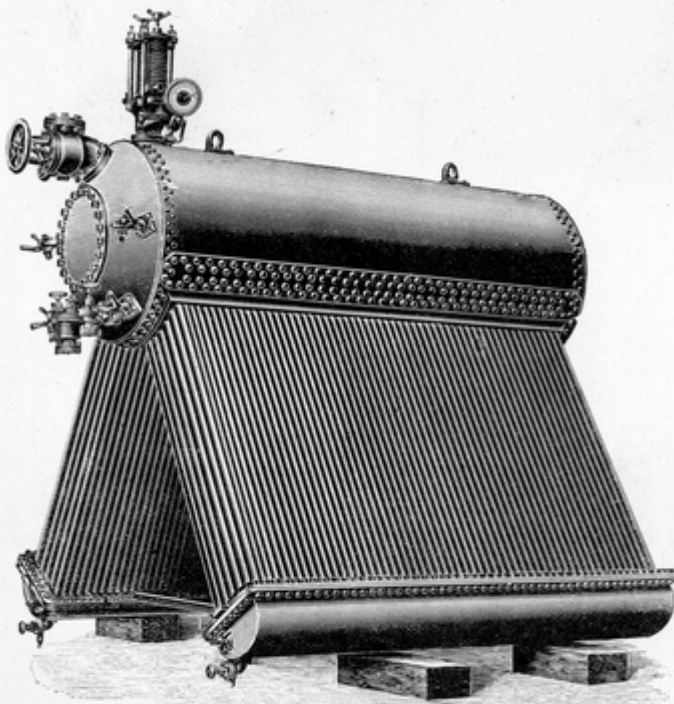


Fig. 124.—“YARROW” WATER TUBE BOILER. Straight Small Tubes.

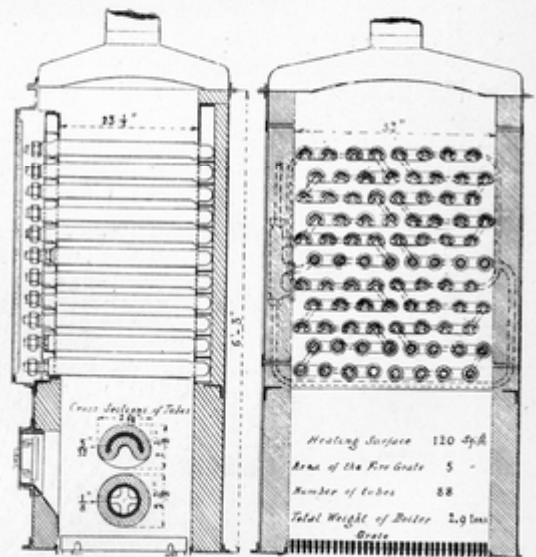


Fig. 125.—“SERPOLLET” BOILER.



EXAMPLE OF A MODERN WATER TUBE BOILER—CLIMAX BOILER.  
EXTERNAL FIRE—500 H.-POWER.

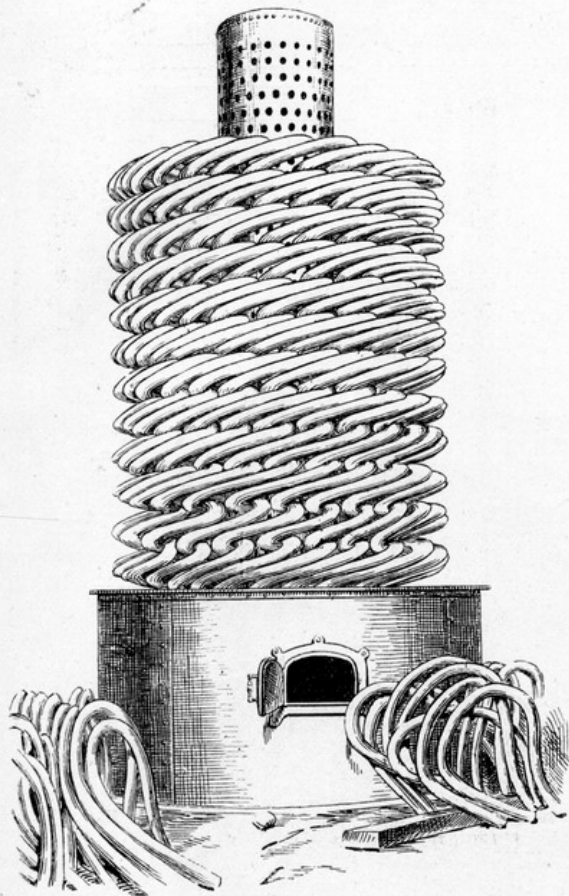
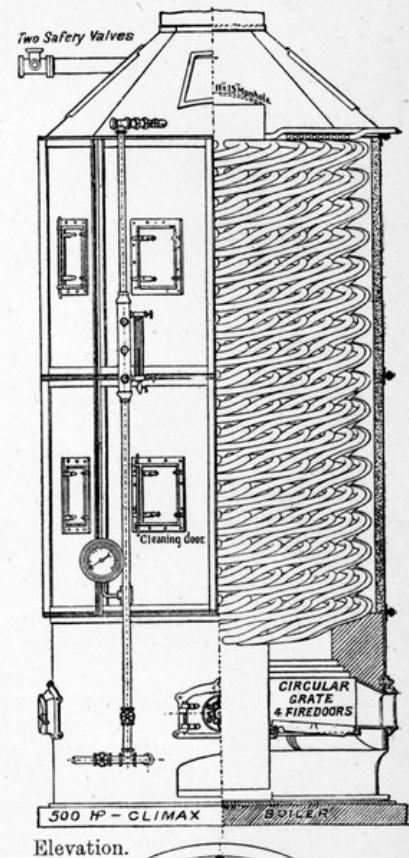


Fig. 126.—With small Steel Tubes. No Brick Flue  
One Circular Grate, with Four Firing Doors.



Elevation.

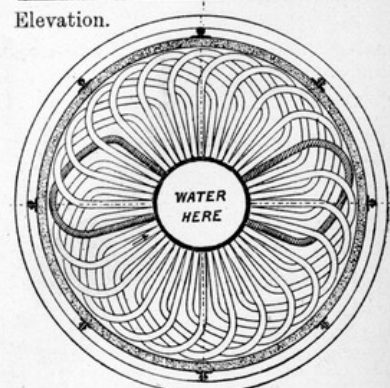


Fig. 127.—Plan.

# EXAMPLES OF MODERN WATER TUBE BOILERS (WITH SMALL TUBES).

## EXTERNAL FIRES.

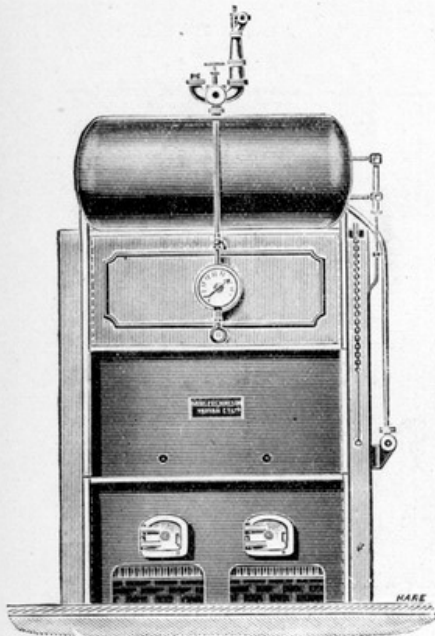


Fig. 128.—WATER TUBE BOILER (Messrs MIRRELES, WATSON, & YARYAN Co.).

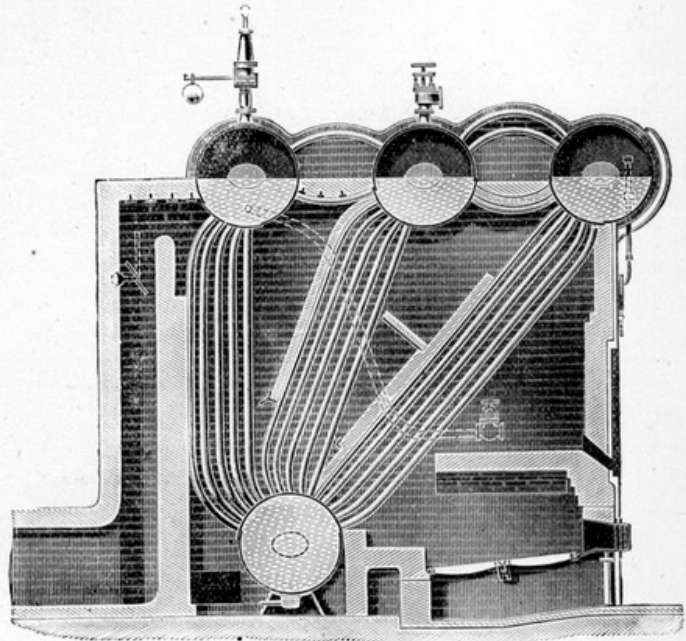


Fig. 129.—WATER TUBE BOILER, small Tubes (Messrs MIRRELES, WATSON, & YARYAN Co.).

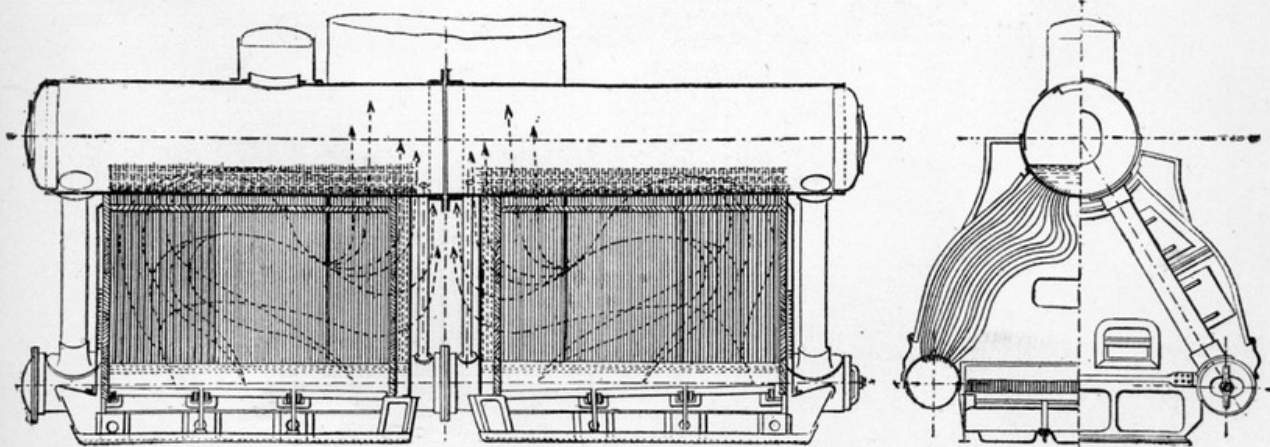


Fig. 130.—WATER TUBE BOILER, with small Tubes (Messrs NORMAND & Co., Havre).



EXAMPLES OF MODERN WATER TUBE BOILERS.  
WITH EXTERNAL FIRE.

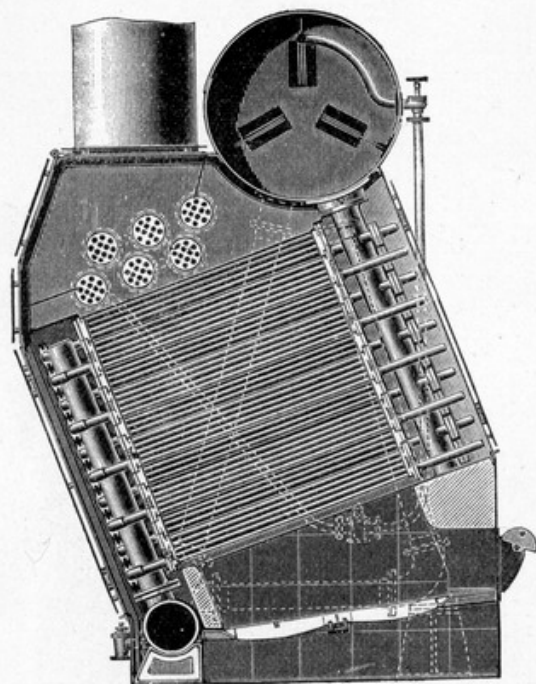


Fig. 131.—WATER TUBE BOILER (Messrs CLARKE CHAPMAN).

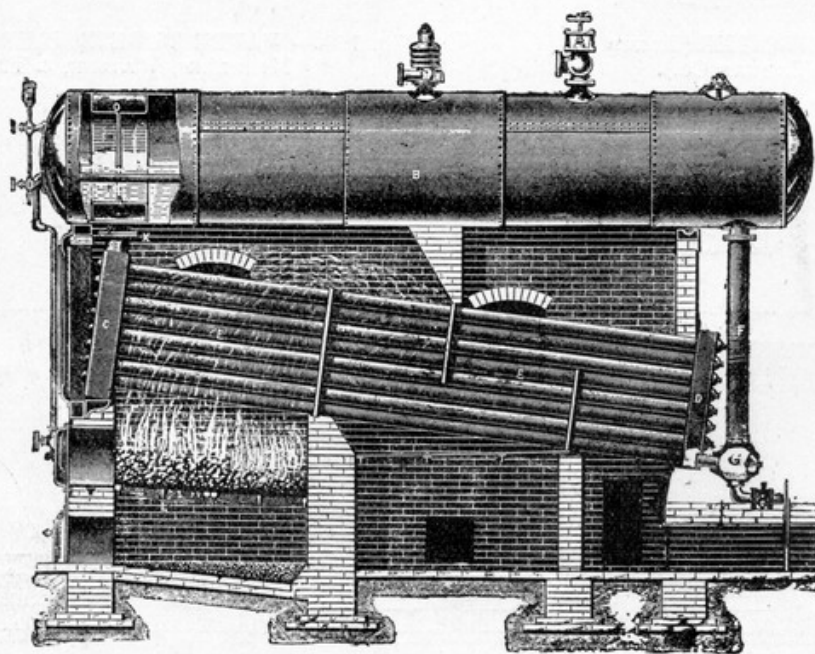


Fig. 132.—WATER TUBE BOILER (Messrs HORNSBY).

EXAMPLE OF MODERN WATER TUBE BOILER.

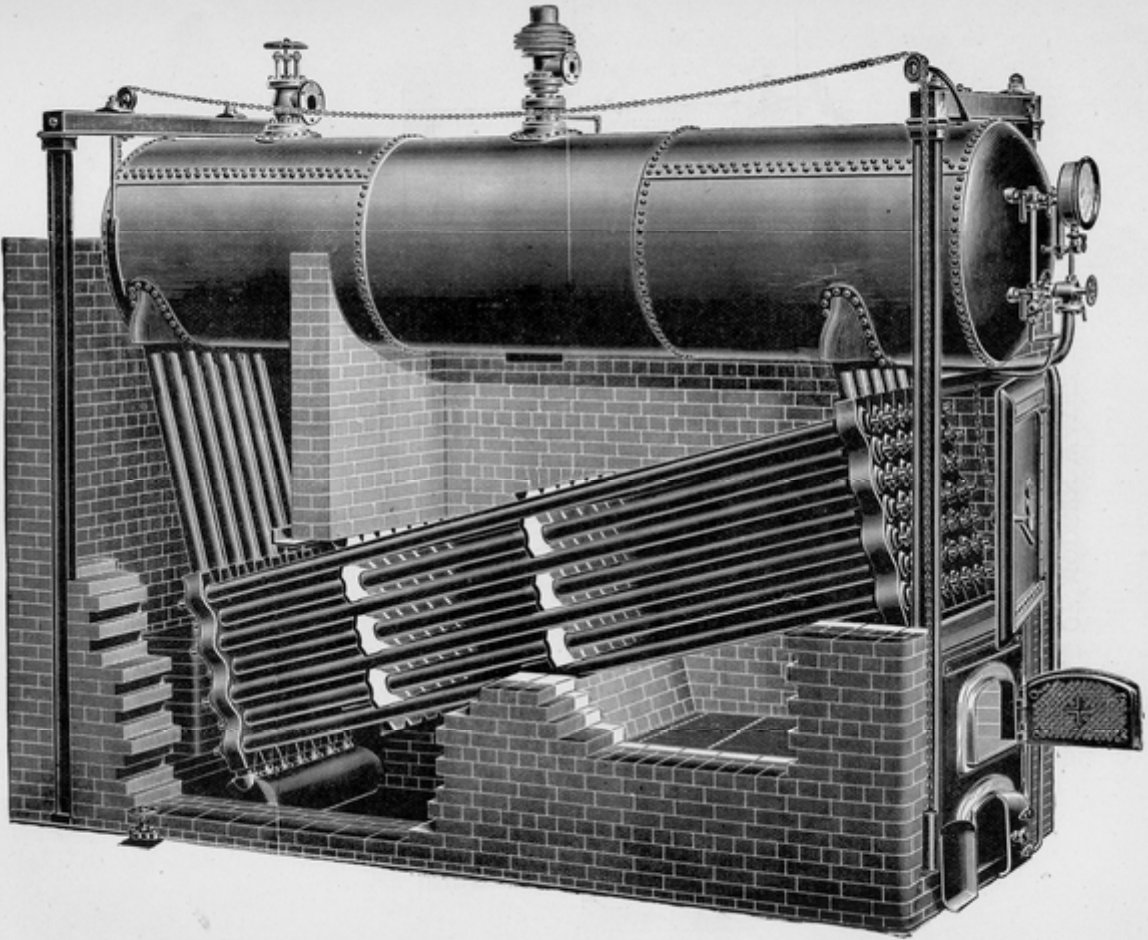


Fig. 133.—WATER TUBE BOILER (BARBOCK & WILCOX).

EXAMPLE OF MODERN WATER TUBE BOILER.

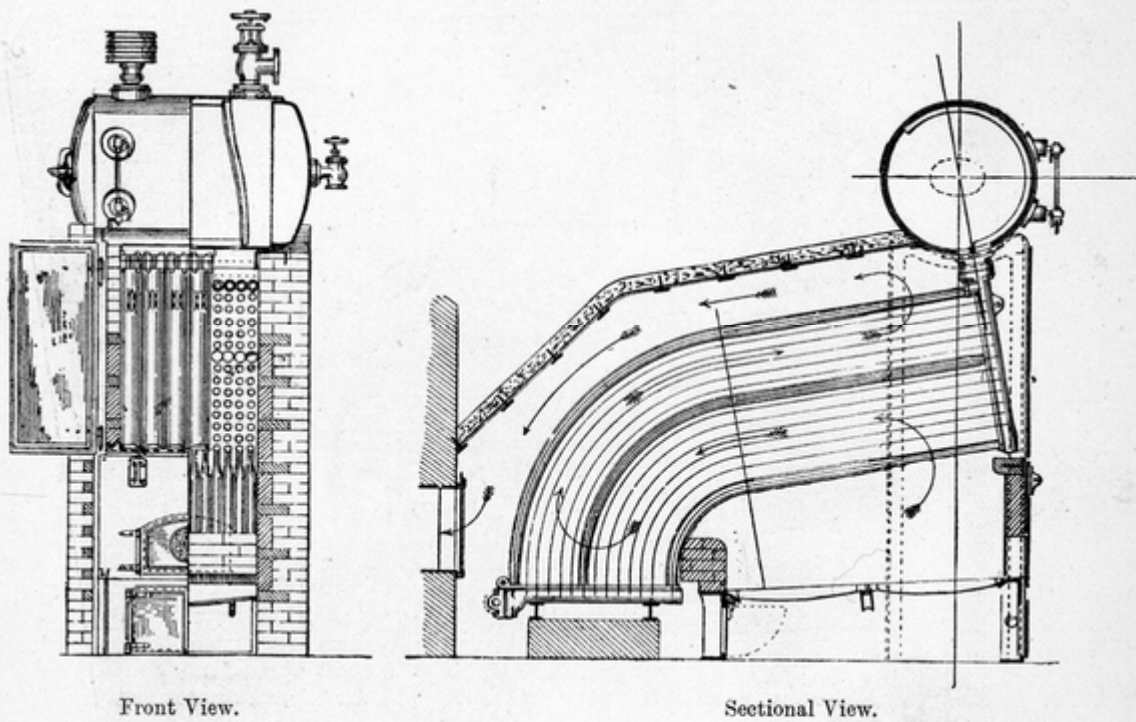


Fig. 134.—HAYTHORN TUBULOUS BOILER.



EXAMPLES OF MECHANICAL  
STOKERS.

FOR INTERNAL FIRE TUBES.

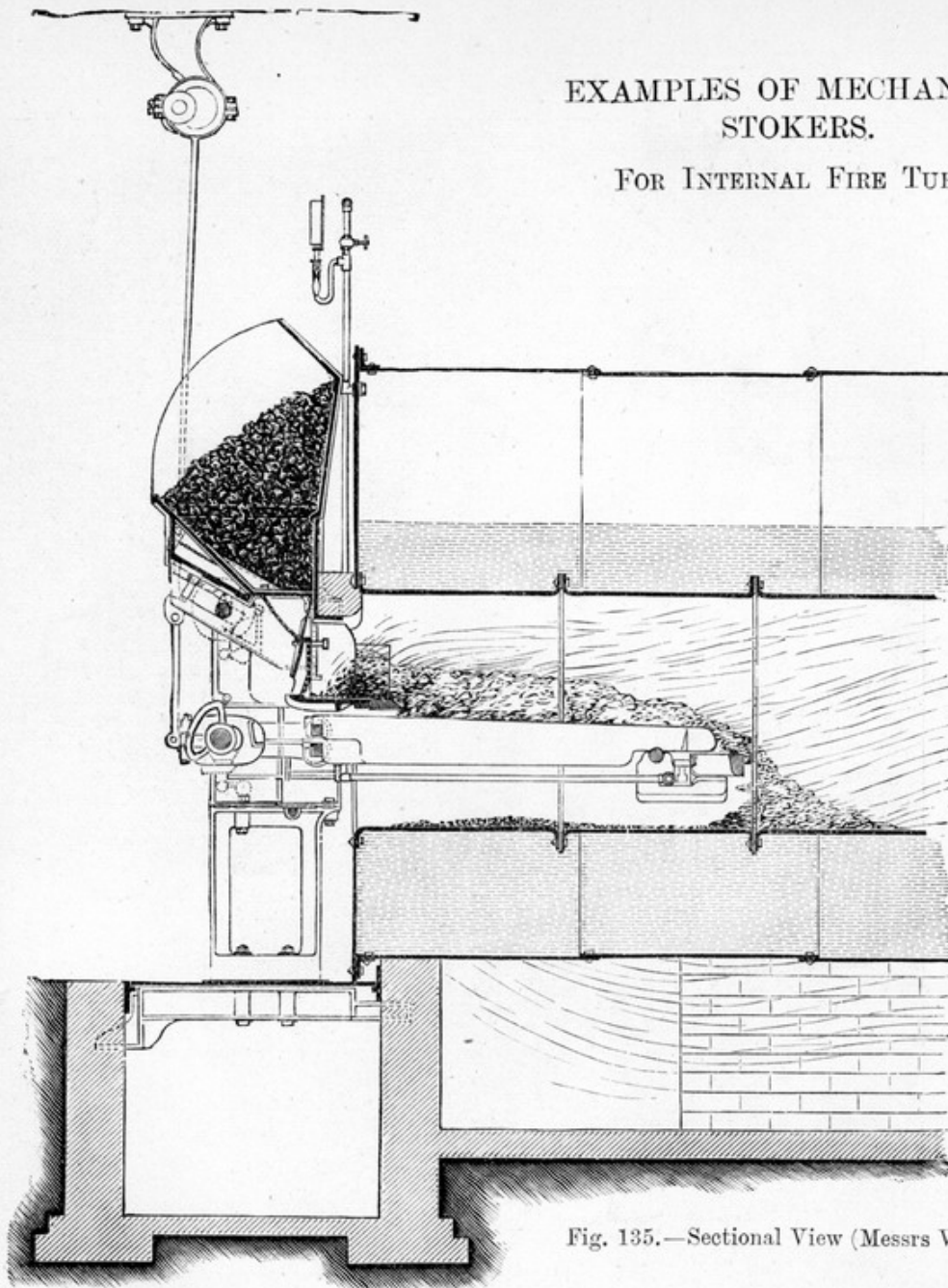


Fig. 135.—Sectional View (Messrs VICARS).

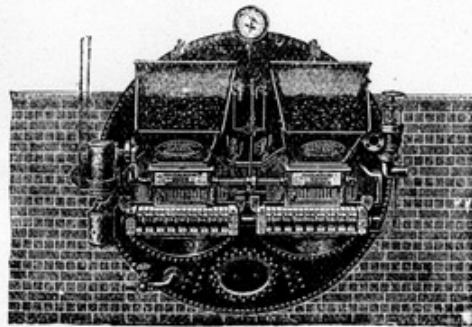


Fig. 136.—(Messrs HODGKINSON).

## ECONOMISERS.

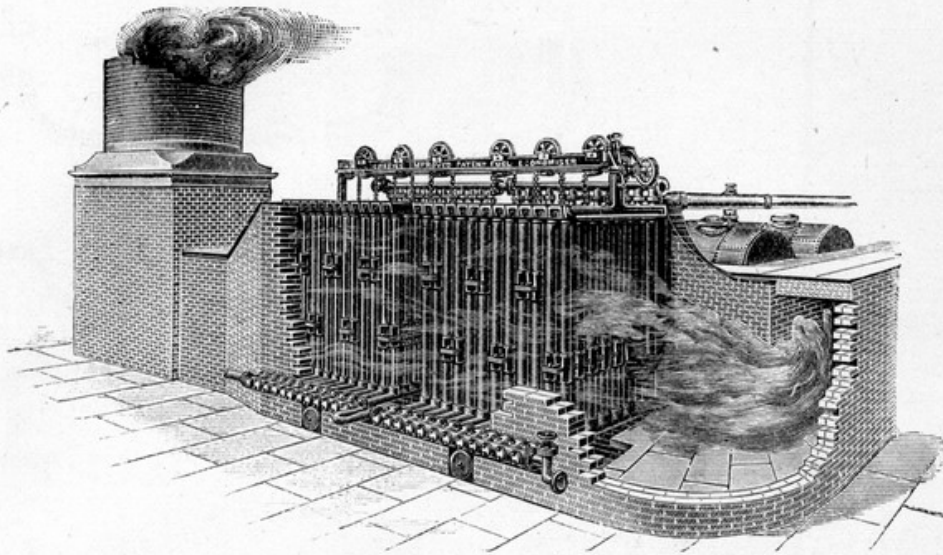


Fig. 139.—Messrs GREEN'S ECONOMISER, for Heating Feed Water by Hot Gases.  
Vertical 4-inch Tubes, with scrapers.

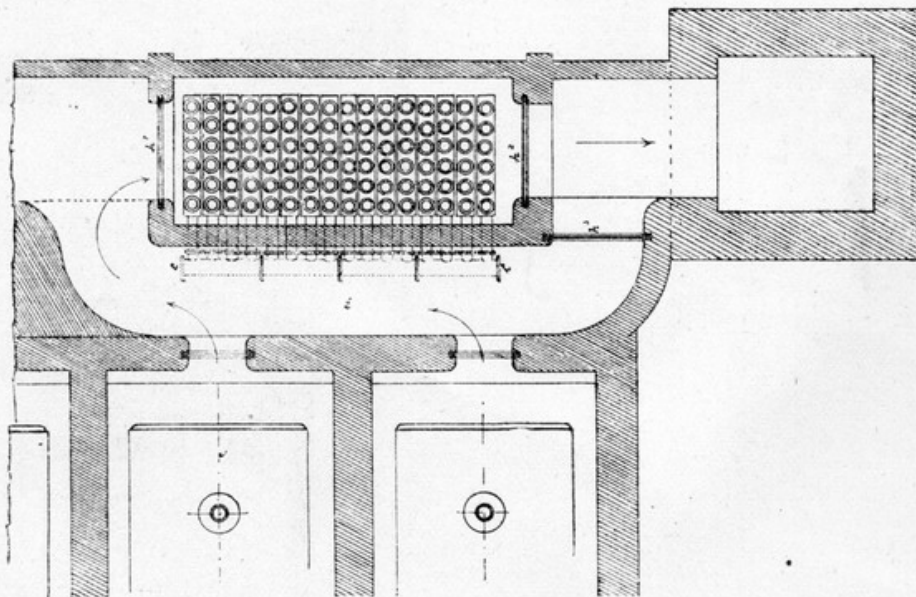


Fig. 140.—Plan of GREEN'S ECONOMISER.



EXAMPLE OF FEED-WATER HEATER—SMALL TUBES.

STEAM INSIDE TUBES; FEED WATER OUTSIDE TUBES.

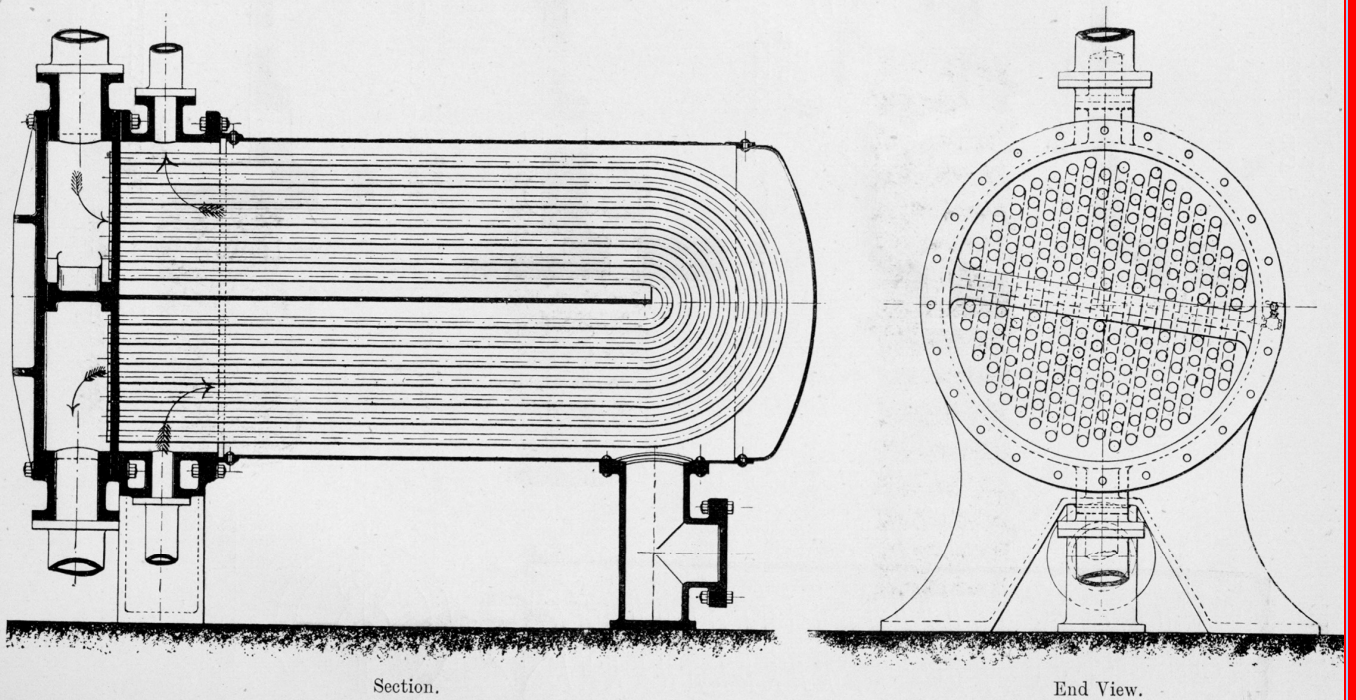


Fig. 146.—Messrs YATES & THOM.