

FOUR-COUPLED PASSENGER LOCOMOTIVE.

CONSTRUCTED BY THE WIENER-LOCOMOTIV-FABRIKS-ACTIEN-GESELLSCHAFT (BERNHARD DEMMER, DIRECTOR), FLORIDSORF, NEAR VIENNA.

FIG. 4.

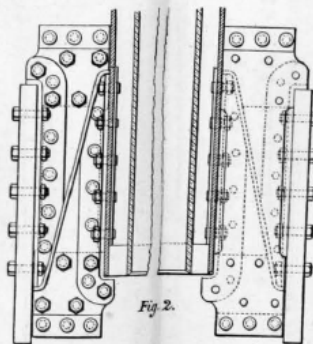
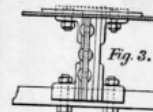
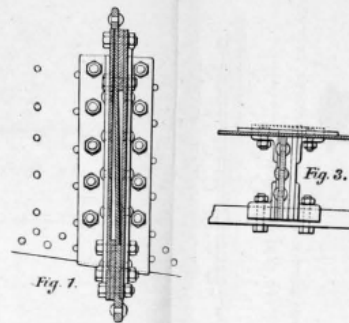
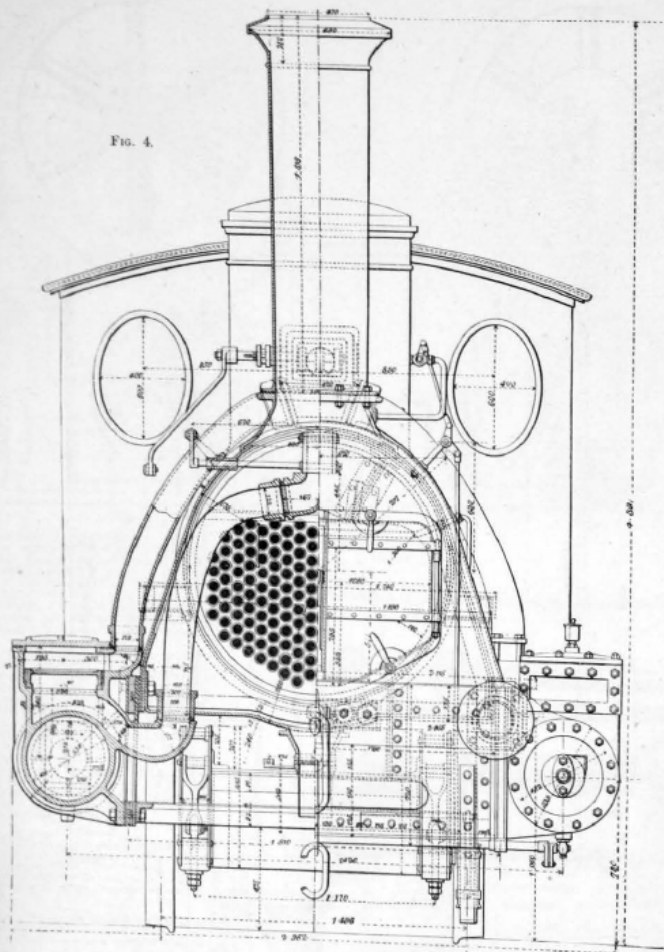
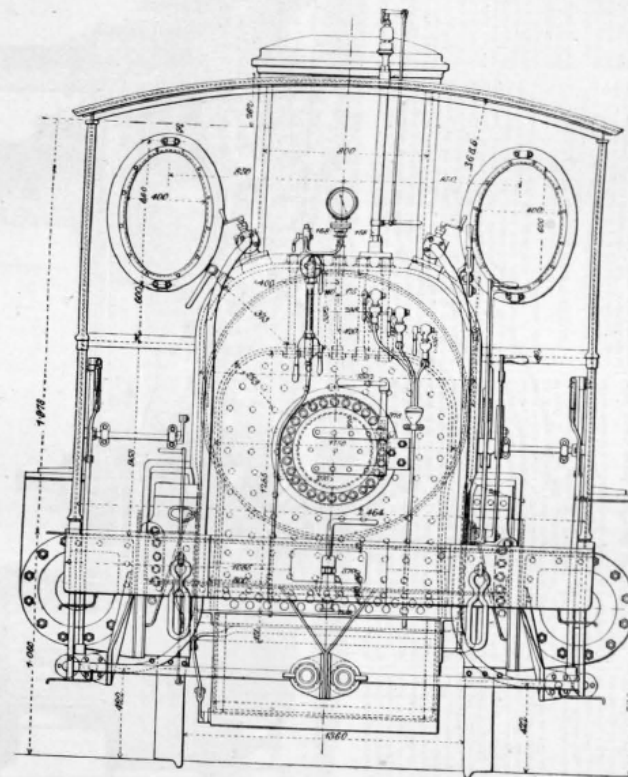


FIG. 5.



CYLINDERS:		
Diameter	Ft.	In.
Stroke	1	4 1/2
Distance apart from centre to centre	7	11 1/2

WHEELS, &c.:		
Diameter of coupled wheels	5	2 1/2
" bogie wheels	3	1 1/2
Distance between centres of bogie axles	3	4 1/2
" from centre of bogie pin to centre of driving axle	6	6 1/2

WHEELS, &c.—(Continued):		
Distance between centres of coupled wheel	5	5 1/2
Total wheel base	13	8 1/2

BOILER:		
Diameter of barrel inside largest plate	4	3 1/2
Length of firebox inside at top	4	9 1/2
" " bottom	5	0
Width " top	3	8 1/2
" " bottom	3	7 1/2
Height " front	4	8 1/2

BOILER—(Continued):		
Length of firebox inside at back	4	2 1/2
Number of tubes	172	
Diameter " outside	0	2.05
Length " between tube plates	14	1 1/2

HEATING SURFACE:		SQUARE FEET.
Firebox		91
Tubes (outside)		1299
Total		1390

HEATING SURFACE—(Continued):		SQUARE FEET.
Firegrate area		18.3
Pressure of steam		147 lb. per square inch

WEIGHT:		TONS.
Weight of engine empty		33.75
" in working order—on bogie		12.3
" driving wheels		12.3
" trailing		12.3
Total		36.9