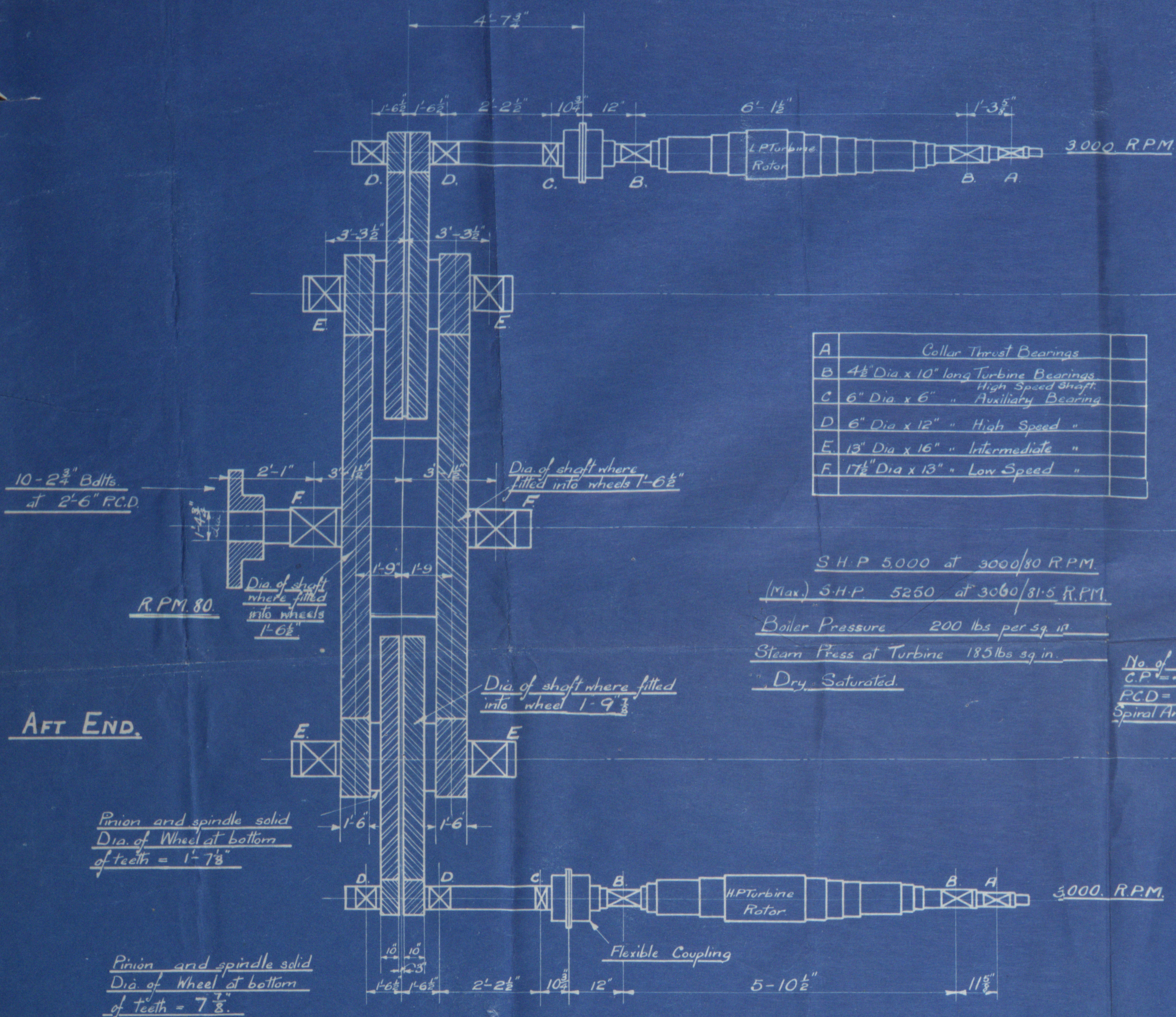


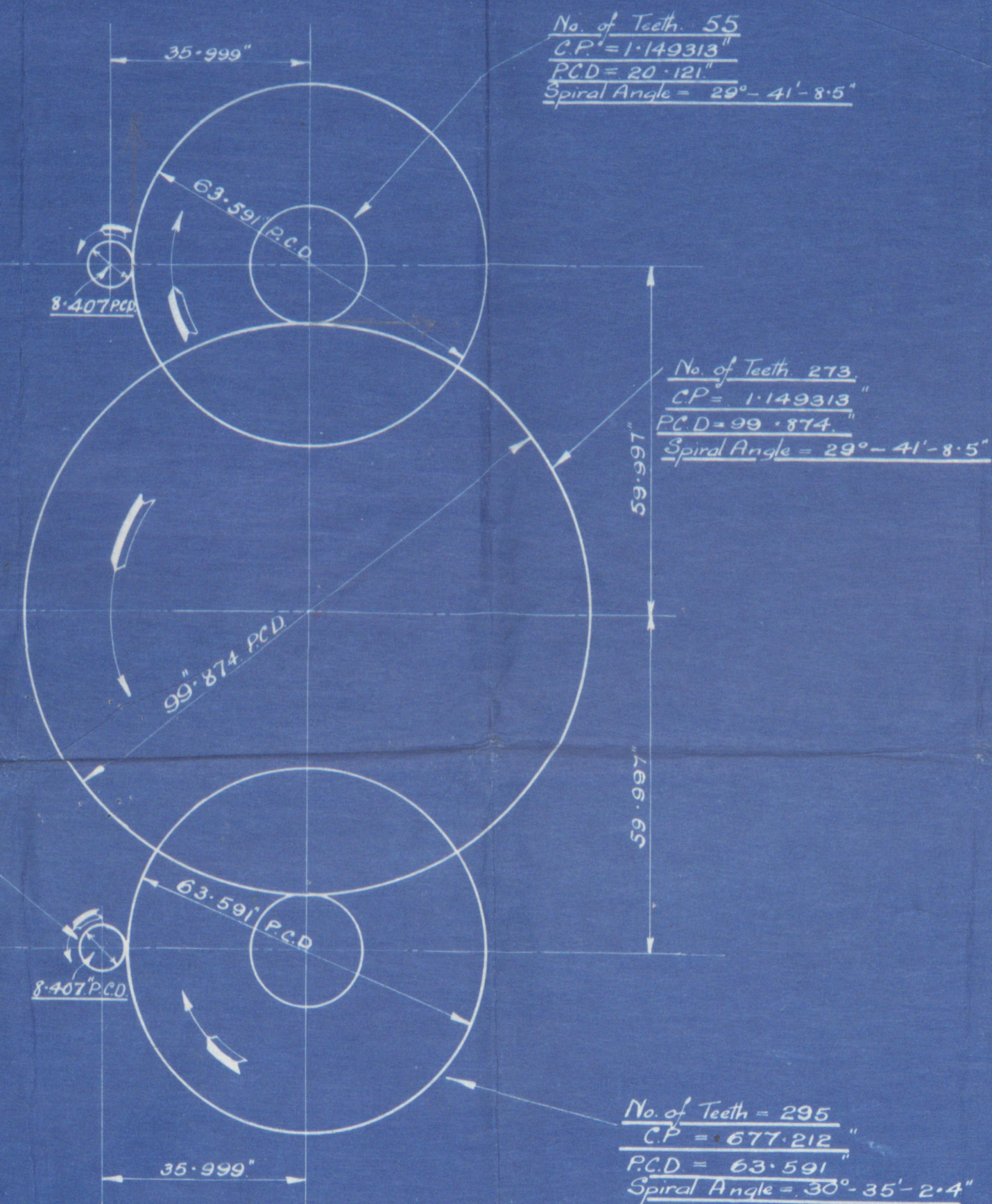
9/7/19



A	Collar Thrust Bearings
B	4 1/2" Dia x 10" long Turbine Bearings
C	6" Dia x 6" " Auxiliary Bearing
D	6" Dia x 12" " High Speed "
E	13" Dia x 16" " Intermediate "
F	17 1/2" Dia x 13" " Low Speed "

S.H.P. 5000 at 3000/30 R.P.M.
(Max.) S.H.P. 5250 at 3060/31.5 R.P.M.
Boiler Pressure 200 lbs per sq. in.
Steam Press at Turbine 185 lbs sq. in.
" Dry Saturated "

No. of Teeth 39
C.P. = 677.212"
P.C.D. = 8.407"
Spiral Angle = 30°-35'-2.4"



End View of Gears looking aft
Arrows indicate ahead direction of Rotation

PLAN VIEW
See elevation for correct relative position

MATERIALS.		
1 st	Reduction Pinion	3 1/2% to 5% Nickel Steel 40-45 Tons/a"
	Reduction Wheel Centre	Cast Iron
1 st	Reduction Wheel Rim	Forged Steel 31 to 35 Tons/a"
1 st	Reduction Shaft	Forged Steel 40 Tons/a"
2 nd	Reduction Pinions	45 Carbon
	Reduction Wheel Centre	Cast Iron
2 nd	Reduction Wheel Rim	Forged Steel 31 to 35 Tons/a"
	Slow Speed Shaft	Forged Steel 33 Tons/a"

THE BRITISH
WESTINGHOUSE ELECTRIC & MFG. CO., LTD.
MANCHESTER, ENGLAND.

DIAGRAM SHOWING BEARINGS
AND GEARS FOR DOUBLE
REDUCTION GEARED TURBINES.

SCALE
S.O. No. C/02. 11 Messrs J. KINCAID & CO. L^{td}. S.S. 731. Eng N° 4-88.

SK 409247

1	DATE 26-6-19	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
	CHECKED 3/5	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED
	DWG. APPD.	DWG. APPD.	DWG. APPD.	DWG. APPD.	DWG. APPD.	DWG. APPD.	DWG. APPD.	DWG. APPD.	DWG. APPD.
	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.	DESIGN APPD.

British Westinghouse Co.

W/c

Diagrammatic sketch of

turbines & gears for

Kincard & Co's s/s 731

Engines 488.

s/s Doricstar

Greenock Report No 17901

RETAIN



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Lloyd's Register
Foundation

W468-0203