— CHIEF MECHANICAL ENGINEER'S BRANCH. —

— COMPOUND CONSOLIDATION ENGINE "V" CLASS. —

CONTRACT Nº 9413.
Nº 1.

GENERAL ARRANGEMENT.

SCALE 1"=1' FOOT.

— HEATING SURFACE —
Firebox 107.70
Tubes 1247.00
Total 1414.70 sq.ft.

Grate Area 27.70 square ft.

Tractive Power 26,430 lbs.

Boiler Pressure 200 lbs per square inch.

198 Brass Tubes 2" dia out.

12'-11⅝" between Tube Plates.

Copper Pipe ¼" thick ⅝" Internal dia.

Cylinder Lubricator Copper Pipe on R.H. Foot side.

Westinghouse Exhaust Pipe on L.H. side.

Blow Pipe on L.H. side.

Air Accumulator Connecting Pipe Copper

Pump to Accumulator

Westinghouse Pump on L.H. side

Footplating on L.H. side only.

Main Pipe

To Air Valve

4'-6" DIA

2'-6" DIA

3'-11" DIA

2'-10" Outside Firebox

21'-11"

High Pressure Cylinders 17" dia
Low Pressure Cylinders 27" dia
} 24" Stroke

8'-0" Steel Coupled

8'-0" Centres of Coupled

4'-0" Centres of Bogie Tyres

7'-3" Centres of Cylinders

W.H. Brake Main Reservoir

W.H. Brake Main Reservoir

W.H. Brake Auxiliary Reservoir

Reservoir for Sandbox

7'-10½" Outside Firebox

W.H. Brake Cyl.

Auxiliary Reservoir

10'-1½"

Tenders

Tenders

Tenders