

# TASMANIAN GOVERNMENT MINES DEPARTMENT.

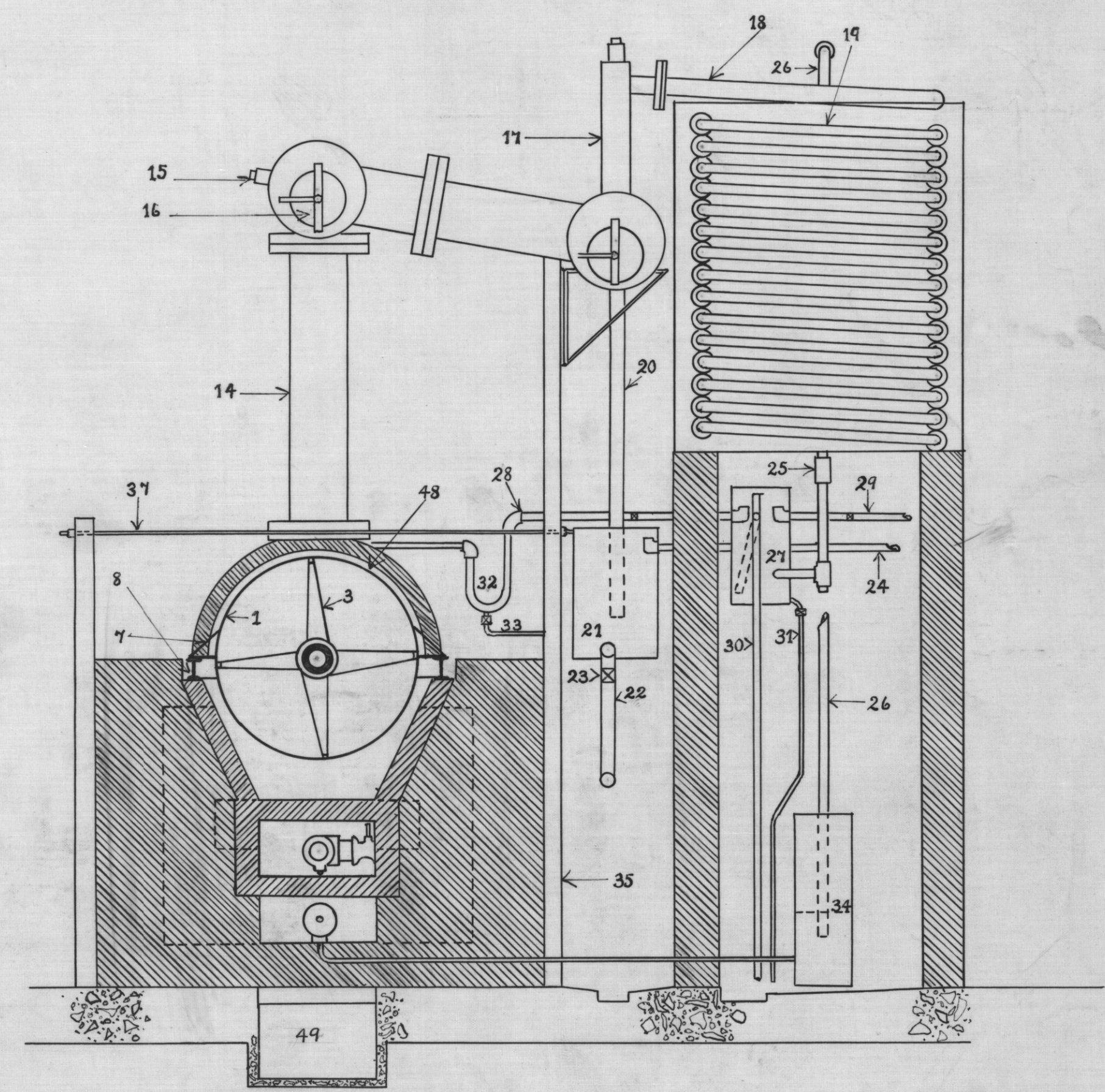
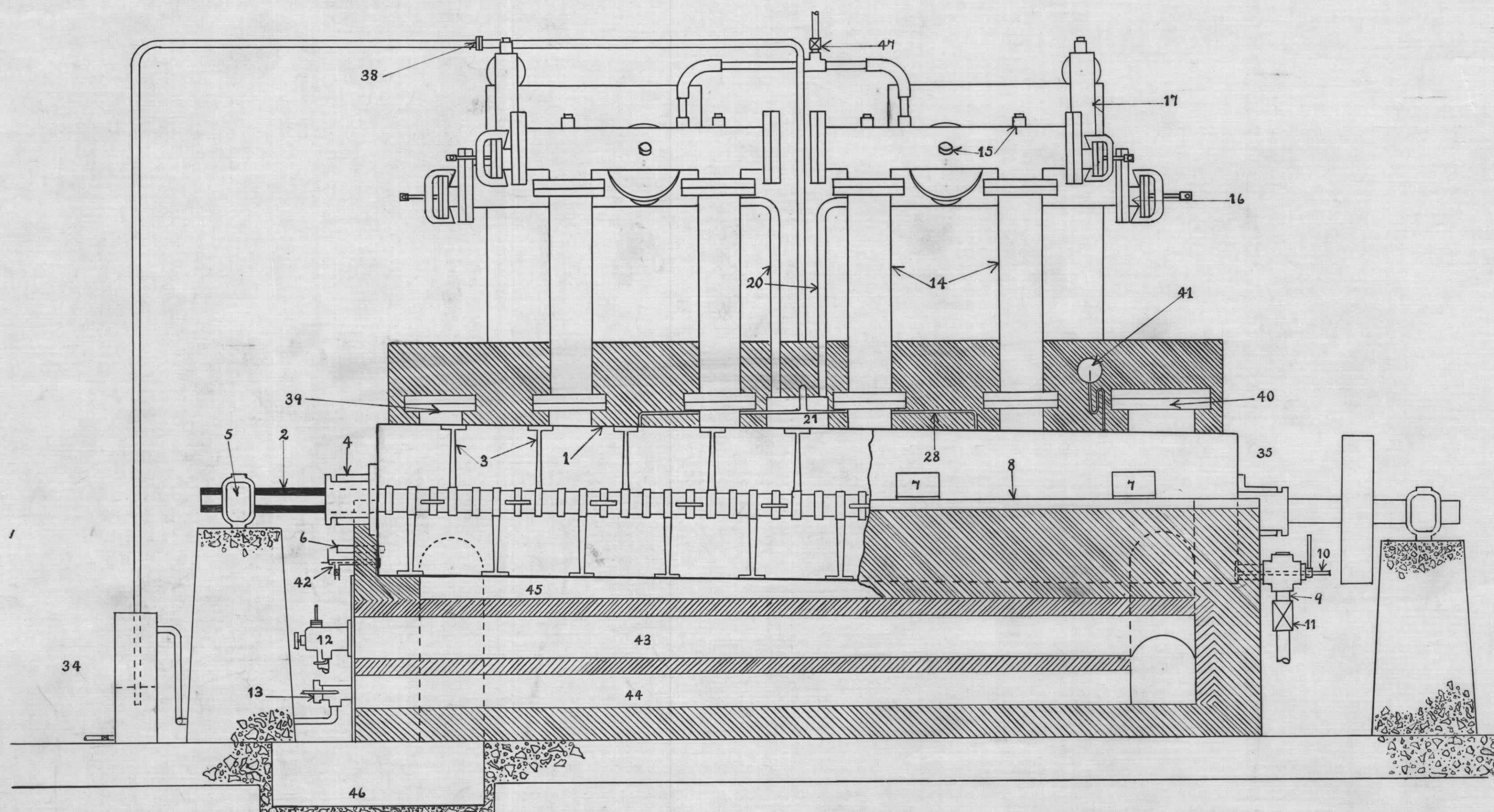
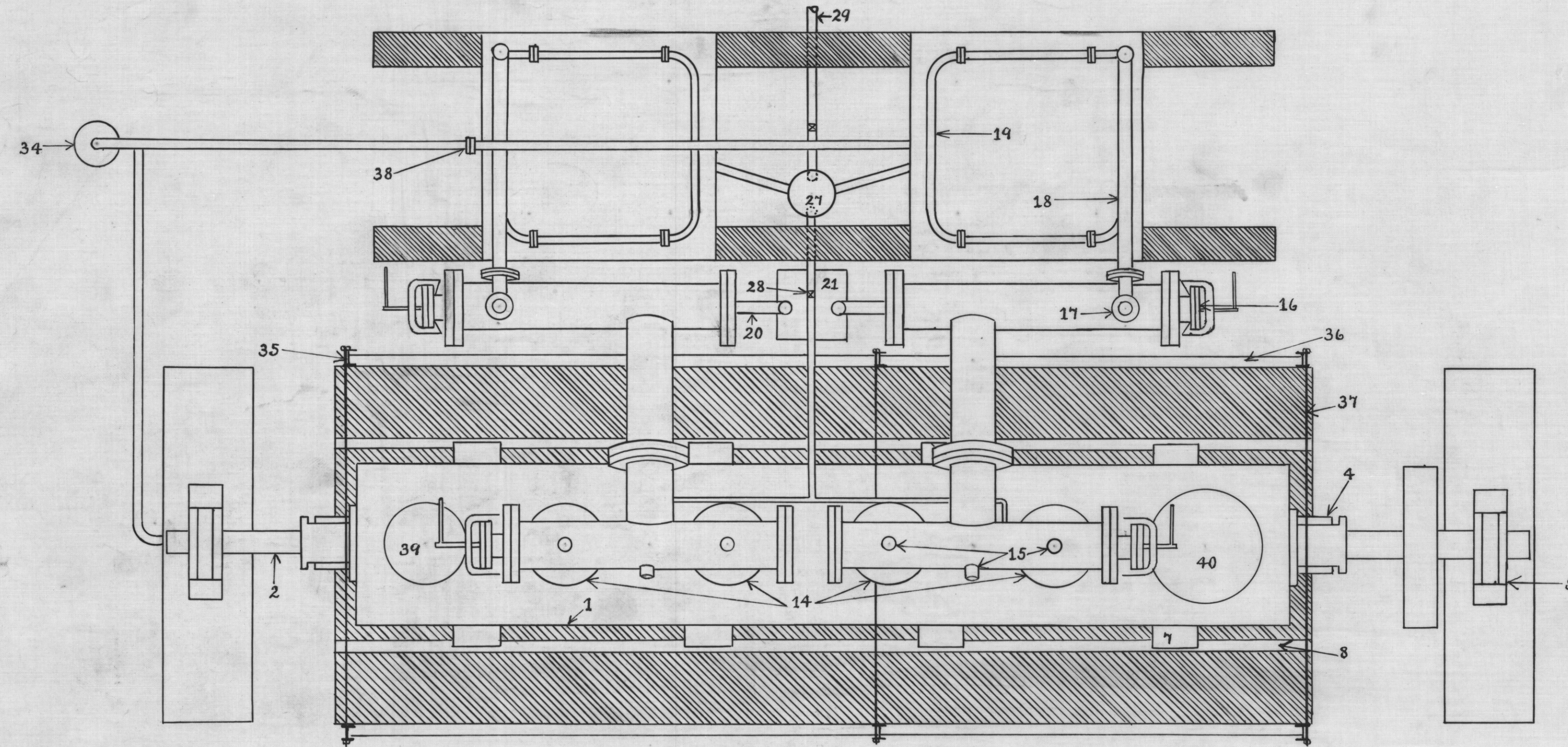
SKETCH OF CONVERTER PROPOSED FOR HEAT TREATMENT OF TASMANITE CONCENTRATE

SCALE 1/2 INCH = 1 FOOT

31-8-37

A. Walker

REFERENCE	DESCRIPTION	PROPOSED MATERIAL	PROPOSED DIMENSIONS
1	CONVERTER SHELL	HEAT RESISTING & MILD STEEL	20' LONG X 3'6" DIAM X 1/2" THICK
2	PADDLE SHAFT	CAST STEEL	25' LONG X 12" DIAM X 1 1/2" THICK
3	PADDLES	CAST STEEL	HEAD 4' LONG X 1' FACE
4	STUPELING CLAND		
5	ROLLER BEARING	1" STEAM PIPE	
6	FLY WHEEL POCKET	CAST STEEL	12" X 6" X 1"
7	SUPPORTING LUG	CAST STEEL	21" X 8" X 3"
8	I BEAM SUPPORT	CAST STEEL	6" DIAM.
9	RUN OFF PIPE		
10	STEM VALVE		
11	CONTROL COCK		
12	MAJOR LOW PRESSURE OIL BURNER		3 1/2" NON ROTARY WHIRL TYPE
13	GAS BURNER		
14	VAPOUR OFFTAKES		12" INSIDE DIAM.
15	CLEANING PLUGS		2"
16	CLEANING HANDHOLES		6"
17	TIE ROD OFFTAKES		4"
18	VAPOUR OFFTAKES		4"
19	CONDENSER DRAIN		2"
20	OIL AND SLUDGE RUN OFF		2"
21	OIL AND SLUDGE SEPARATOR	MILD STEEL	18" X 18" X 24"
22	SLUDGE DRAIN TO TANK		2"
23	OIL RUN OFF TO STORAGE		
24	REFLUX OIL LINE TO REPERMENT GAS LINE		
25	GAS LINE		
26	SEAL AND OIL WATER SEPARATOR		2' LONG X 12" DIAM.
27	WATER LINE		
28	DRAIN AND COCK		
29	WATER TRAP		
30	DRAIN AND COCK		
31	GAS SAFETY SEAM		
32	I BEAM SUPPORTS FOR BRICKWORK		8" X 4" X 3"
33	L IRON SUPPORTS FOR BRICKWORK		4"
34	TIE RODS		1"
35	ORIFICE METER		
36	CHARGING OPENING		12" DIAM.
37	CLEANING HANDHOLES		18" DIAM.
38	10 LB/SQ IN PRESSURE GAUGE		
39	SAFETY COCK		
40	SAFETY COCK		
41	AIR DUCT		2' X 1' X 19'6"
42	HEATING FLUE		2' X 9" X 13'
43	EXIT FLUE		
44	RELEASE VALVE TO ATMOSPHERE		
45	LACING	ASBESTOS	2" THICK.
46	DAMPER	CAST IRON	
47	RED BRICK		
48	PIPE BRICK		



345/M

9-740-C