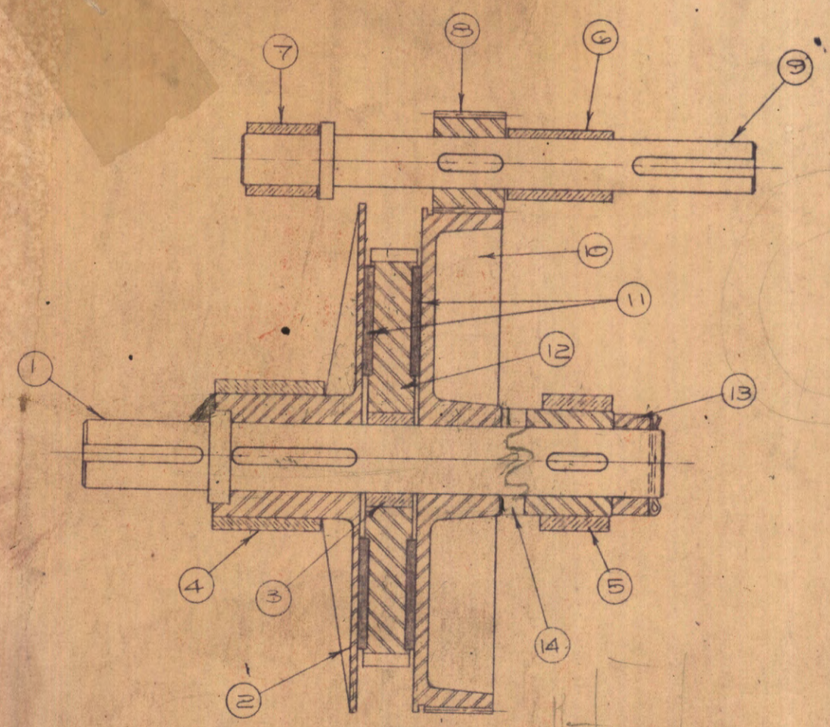

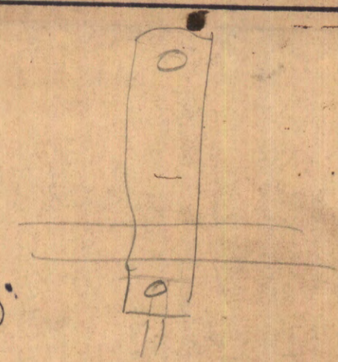

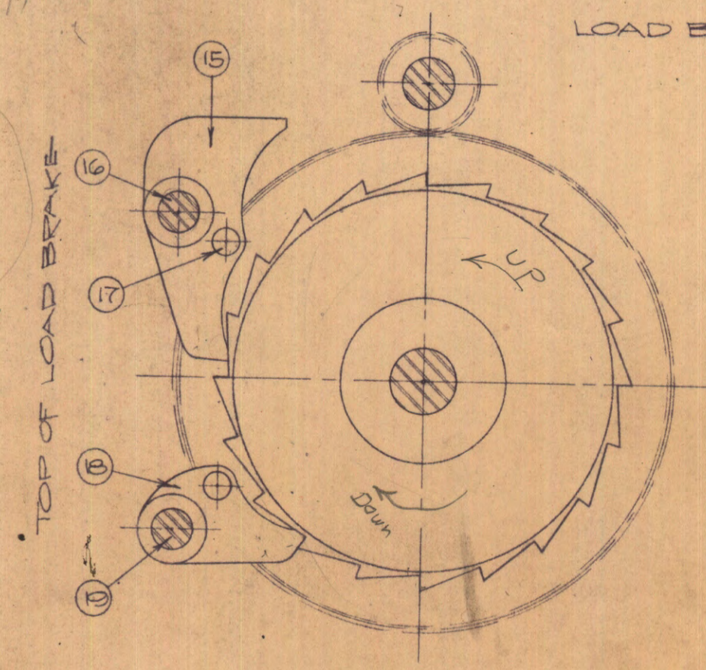

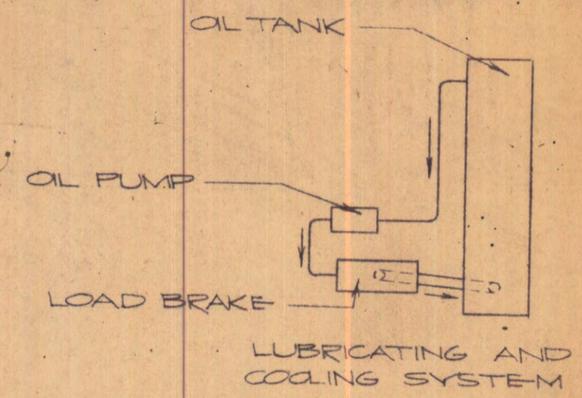

PC. NO	NAME
1	OUTPUT SHAFT
2	PRESSURE PLATE
3	BEARING
4	BEARING
5	BEARING
6	BEARING
7	BEARING
8	PINION
9	INPUT SHAFT
10	GEAR
11	FRICTION DISC
12	RATCHET WHEEL
13	SHAFT NUT
14	HELIX
15	PAWL
16	PAWL PIN
17	FRICTION PLUG
18	PAWL
19	PAWL PIN

OPERATION OF LOAD BRAKE

THIS BRAKE AUTOMATICALLY ENGAGES WHEN LOWERING LOADS. THE OIL IN THE TANK SHOULD BE CHECKED BEFORE OPERATION TO INSURE SUFFICIENT LUBRICATION & COOLING. THE TEMPERATURE SHOULD ALSO BE CHECKED DURING LONG PERIOD LOWERING OPERATIONS. IF THE TEMPERATURE RISES ABOVE 250°F TO 350°F OPERATION OF THE HOIST SHOULD BE DISCONTINUED UNTIL TEMPERATURE REDUCES.

PAWL ADJUSTMENT

REMOVE TOP COVER PLATE AND ADJUST PAWL SCREWS SO THAT CLEARANCE BETWEEN RATCHET (12) AND TIP OF PAWL (18) IS 1/32".

FRICTION ADJUSTMENT

REMOVE BRAKE SHAFT BELL COVER, SCREW SHAFT NUT (13) OUT, THEN UNSCREW UNTIL RATCHET WHEEL (12) CAN BE TURNED FREELY BETWEEN FRICTION DISCS (11) BY HAND.

BERGER ENGINEERING WORKS, INC.

DRAWING NO. FILE	SEATTLE	DRAWN BY POMPEO
10198-B-36	SCALE	CHECKED [illegible]
		DATE 8-21-52

LOAD BRAKE ASS'Y

KAJAKAI INTAKE CRANE