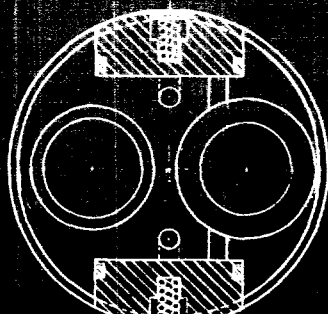




WHL TOOL & SUPPLY CO.
MIDLAND, TEX. P.M. MU 2-5323
DALLAS, TEX. P.M. FE 7-7161
LOS ANGELES, N. M. P.M. EX 3-5000

BROWN OIL TOOLS, INC.

00L 7 $\frac{7}{8}$ x 1 $\frac{7}{8}$ x 7 $\frac{5}{8}$ HS-17-2C PACKER

DRAWN BY JBW DATE 4-14-60

1—STEM TOP CONNECTION

2—BODY

NO. 2 NO. 3

3—GEAR PIN

4—O-RING

5—SET SCREW

6—STEM

7—UPPER HOLD DOWN BUTTON

4—O-RING

8—BUTTON KEYS

9—PACKING RING

10—KEYER SCREW

11—INTERPAC

9—PACKING RING

4—O-RING

12—LOWER HOLD DOWN BUTTON

4—O-RING

15—LEAK SEAL

16—PIN BAR

17—SEAL

15—LEAK SEAL

16—CORE

17—SEAL

18—SLIP HOOPER

5—SET SCREW

4—O-RING

20—O-RING

9—PACKING RING

11—INTERPAC

9—PACKING RING

21—SLIP

2—GEAR PIN

9—PACKING RING

11—INTERPAC

9—PACKING RING

22—UPPER DUTCH

23—LOWER DUTCH

24—STEM BOTTOM CONNECTION

5—SET SCREW

4—O-RING

25—BUTTON SPRINGS

13—NO. 2 STRING HANDBRE

14—NO. 3 STRING HANDBRE

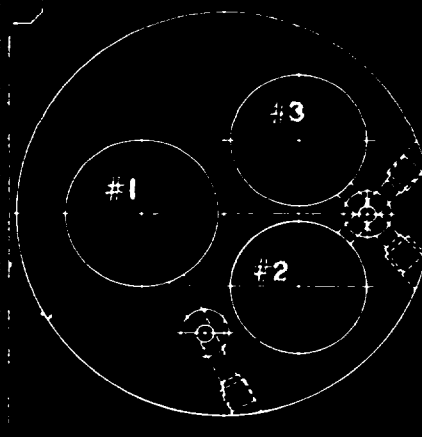
4—O-RINGS

12—CHECK VALVE

4—O-RINGS

4—O-RINGS

SECTION "A-A"



VALVE PORT DING

VALVE PORT LOCATION DETERMINED BY SETTING STRING

#1 FOR HS-11-20
#2 FOR HS-11-30
#3 FOR HS-11-3

SECTION "B-B"

ILLEGIBLE