38) VERTICAL SCREW CONVEYOR, 63" LONG, 2-1/8" SCREW DIA., NON-MAGNETIC METAL CONSTRUCTION

39) TOP CROSS SCREW CONVEYOR;
17" LONG, 2-1/8" SCREW DIA.

13) TEFLOM WATER SEAL TO FLOW WATER INTO PART #7

8) TIMING PULLEY BOLTED TO PART #7

7) ALUMINUM DRIVE HUB SUPPORT TO ROTATE COPPER TUBE ASSEMBLY

6) TWO HEAVY DUTY NON-MAGNETIC BALL BEARINGS WITH A 3½" I.D. PRESSED INTO FRAME #1
20) SPECIAL NON-METAL WATER FITTING TO FLOW WATER FROM PART #7 TO PART #18

27) 1/8" THICK MYLAR INSULATION TUBE FASTENED TO PART #25 HAVING A 1-1/8" I.D.

26) TWO NYLON 1/4" RODS PRESSED INTO PART #25

22) NINE ALUMINUM FRAMES, EACH TO HOLD THREE PERMANENT MAGNETS

23) 27 PERMANENT MAGNETS MOUNTED INSIDE PARTS #22, EACH BEING 3 1/2" LONG, 2" WIDE, 1/4" THICK.

19) 47 SPRAY NOZZLES, 1/2" LONG, WITH 3/16" DIA. ORIFICES

NYLON SCREWS
17) Non-metal bolts to secure parts #7 and #15

16) Mica insulation ring, 1/8" bolted between part #7 and part #15

15) Copper support ring bolted to part #7 measuring 16" O.D. by 3/4" thick

28) Center Alminal 416 tube drilled with .050" holes tightly spaced, 18" long, 2" I.D., 1/8" wall thickness (anodized)

18) Copper coil assembly with 17 wraps of 1" O.D. pipe, 1/8" wall thickness shaped as shown
2) COPPER BOWL, 22" HIGH, 19\(\frac{1}{2}\)"
O.D., 1/8" THICK, CONE SHAPED
TO 4-3/4" O.D.

21) A SERIES OF 1" LONG COPPER
SPACERS TO HOLD COIL WRAPS
7/32" APART, WELDED
TO PART #18

4) COPPER FLANGE WELDED TO PART
#2, 4-3/4 I.D. BY 5\(\frac{1}{2}\)" O.D.
BY 3/8" THICK

24) A NYLON COLLAR 1-3/8" I.D.,
4\(\frac{1}{4}\)" O.D. BY 7/8" THICK HELD
TO TUBE #29

1) MAIN FRAME- 1-3/4" SQ.
TUBING, 25" X 25" SQ
BY 61" HIGH=ALUMINUM
3) Two stabilizer bars to support copper bowl #2

30) Identifies area where holes are discontinued

5) Lower copper extension tube
   4-3/4" O.D., 1/16" thick,
   18 1/2" long flange bolted to part #4

40) A total of 18 pounds of magnetized galvanized metal shapes to flow in system,
    each piece measuring 1/8" long,
    1/4" wide by .005 thick
    (rounded corners)

29) Lower portion of center tube
    (same material), 21" long,
    1-3/8" I.D., 1/8" wall
    thickness welded to part #28 (no holes)
42) 2 H.P. CLEAN WATER PUMP

WATER PIPED TO PART #43

34) CLEAN WATER EXIT LOCATION PIPED TO CLEAN WATER PUMP #42

33) COAXIAL CABLE SECURED TO PART # TO CONNECT CENTER ALUMINUM TUBE TO GROUND

35) VIBRATING SHAKER TO SEPARATE SLUDGE FROM METAL PIECES

36) SLUDGE CONTAINER
32) 1/8" THICK MICA INSULATION TUBE BETWEEN PART #29 & PART #31

31) BOTTOM SUPPORT FLANGE TO HOLD CENTER ALUMINUM TUBE ASSEMBLY PARTS #28-#29

37) LIGHT WATER SPRAY TO CLEANSE METAL PIECES

41) A.D.C. CHARGER TO CHARGE PARTS #40