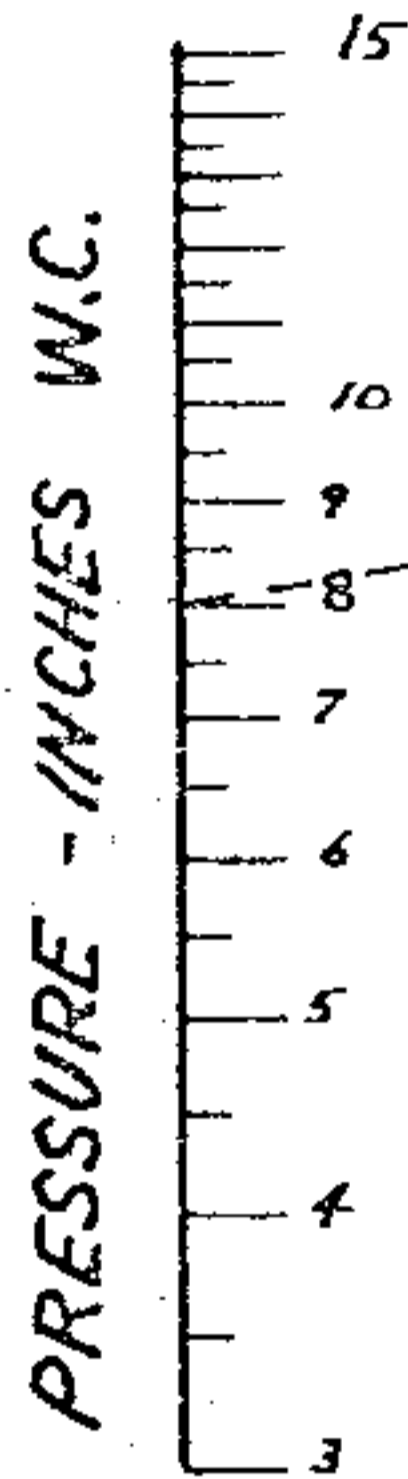


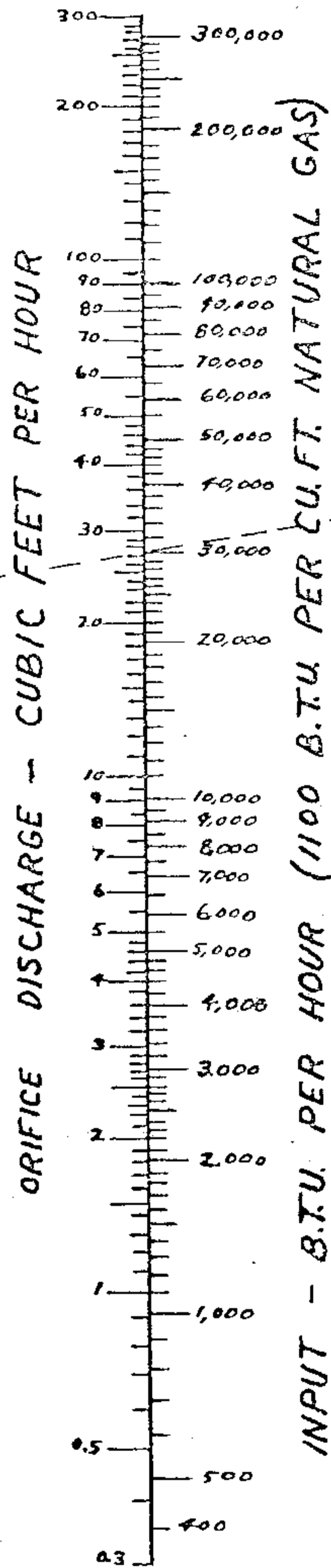
GAS FLOW CHART

GAS APPLIANCE CO.
~~766 S. SAN PEDRO STREET~~
~~LOS ANGELES CALIFORNIA~~
INDUSTRIAL & COMMERCIAL
GAS BURNERS & VALVES
~~TELEPHONE 6902~~

GAS APPLIANCE CO.
 20909 BRANT AVE.
 LONG BEACH, CAL. 90810
636-3184



SAMPLE SOLUTION:
 PRESSURE = 8" W.C.
 REQ'D INPUT = 30,000 BTU/HR.
 USE NO. 445 ORIFICE.



BASED ON EQUATION *

$$Q = 1326 A \sqrt{\frac{H}{G}}$$

WHERE:

- Q = DISCHARGE IN CUBIC FEET PER HOUR. (STD.)
- A = AREA OF ORIFICE IN SQUARE INCHES
- H = PRESSURE IN INCHES OF WATER COLUMN
- G = SPECIFIC GRAVITY OF GAS. (G = 0.65)

* BASED ON ACTUAL FLOW TESTS