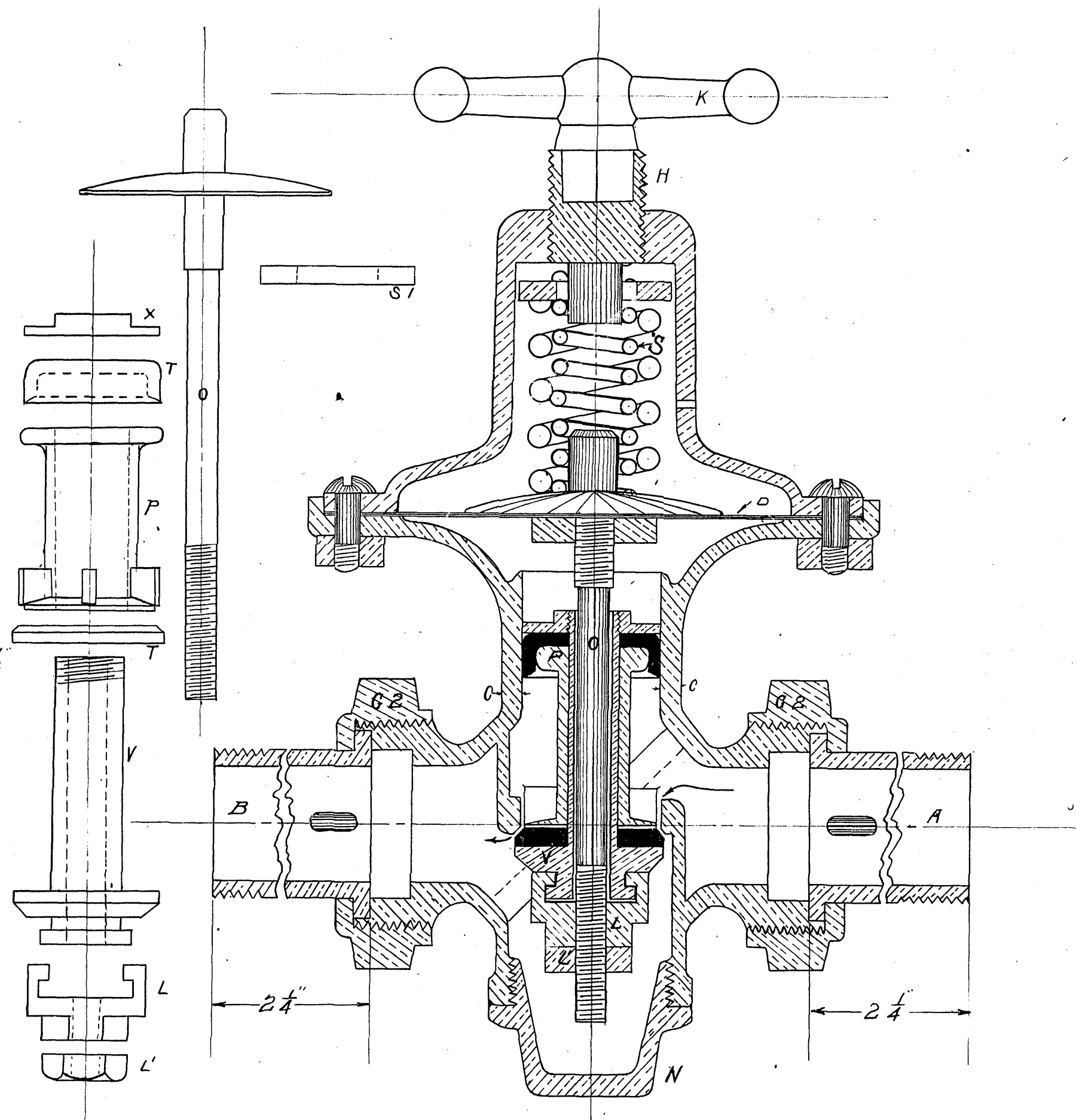


OPERATIONS:—
 ITS OPERATION IS AS FOLLOWS.
 WATER ADMITTED FROM MAIN
 WILL PASS FREELY THROUGH
 VALVE AS IT IS HELD OPEN BY
 LOADING SPRINGS IN CHAMBER.
 THE COMPRESSION OF SPRINGS
 DETERMINES OR WEIGHS THE
 AMOUNT OF PRESSURE ON OUTLET
 SIDE OF VALVE B. THE DIAPHRAGM D.
 CONTROLS VALVE V. WITH ITS
 BALANCING PISTON P GRADUALLY
 RISING OR FALLING WITH ANY SLIGHT
 VARIATION OF PRESSURE ON OUTLET
 SIDE. VARIATIONS OF PRESSURE ON
 INLET SIDE DO NOT HAVE ANY INFLUENCE
 ON VALVE AS PISTON P AND CUP LEATHER
 T ARE PRACTICALLY THE SAME
 AREA AS THE SEAT T. THEREFORE
 BALANCED BACK PRESSURE IS
 ADMITTED FROM OUTLET SIDE B.
 THROUGH VALVE V. AROUND STEM O
 AND UNDER DIAPHRAGM D. VALVE V.
 IS LINKED TO STEM G WITH LINKNUT
 H. AND HELD FIRMLY IN PLACE JAMB
 NUT L.
 TO INSPECT OR REPACK VALVE
 TAKE THE TENSION OFF OF SPRINGS
 ON DIAPHRAGM UNSCREW NUT N.
 UNSCREW LINK AND JAMB NUT
 L-L AND DRAW OUT VALVE. WHEN
 REPLACING BE SURE THE VALVE
 HAS AT LEAST 8" MOVEMENT FROM
 THE SEAT. INCREASE THE
 PRESSURE BY TURNING SCREW
 WITH KEY K. DOWN OR IN.
 REDUCE THE PRESSURE BY
 TURNING IT OUT OR BACK.
 CAUTION:—
 BLOW OUT PIPE WELL BEFORE
 COUPLING UP THE VALVE. DO NOT USE
 RED LEAD IN MAKING JOINTS ON
 IRON PIPE. INLET IS MARKED
 AND AN ARROW INDICATES THE
 FLOW

MADE IN SIZES OF $\frac{3}{4}$ 1 $\frac{1}{4}$ 1 $\frac{1}{2}$

NAME OF PARTS
 A INLET, B OUTLET, C VALVE CASE, D METALLIC DIAPHRAGM G G' COUPLINGS I SPRING CHAMBER.
 H REGULATING SCREW, K KEY FOR REGULATING PRESSURE, N CAP O STEM,
 L LINKNUT, L' JAMB NUT, V VALVE, P THIMBLE T LEATHER VALVE SEAT, T' LEATHER CUP
 X NUT HOLDING PACKING, S CONTROLLING SPRING, S' CHAFE WASHER.



ROSS WATER PRESSURE REGULATING VALVE

See P.O. 725
ROSS VALVE CO
TROY, N.Y.

F3-D6-S2

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JD 4.9.17