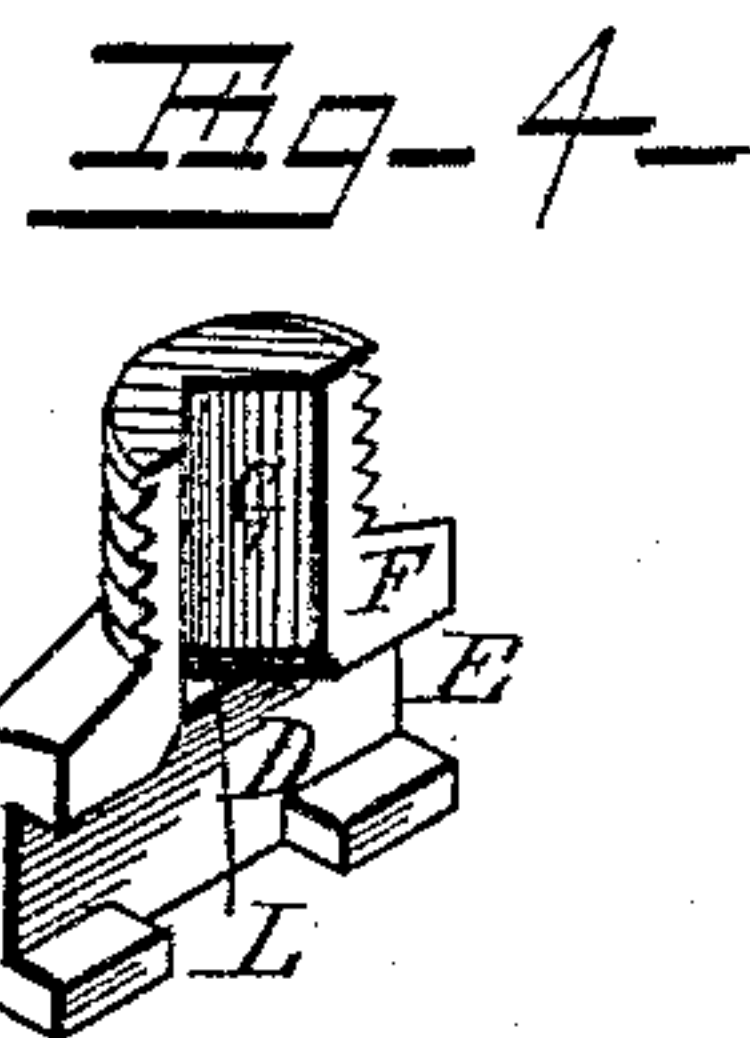
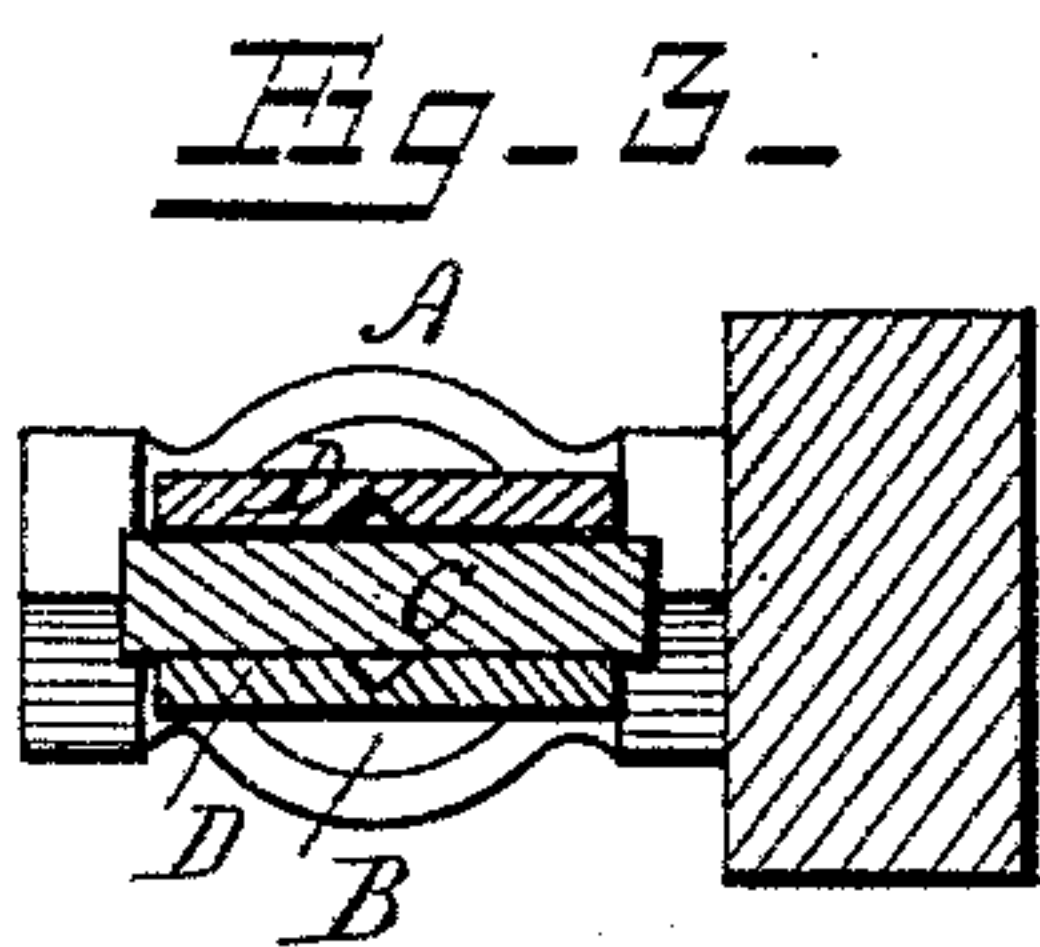
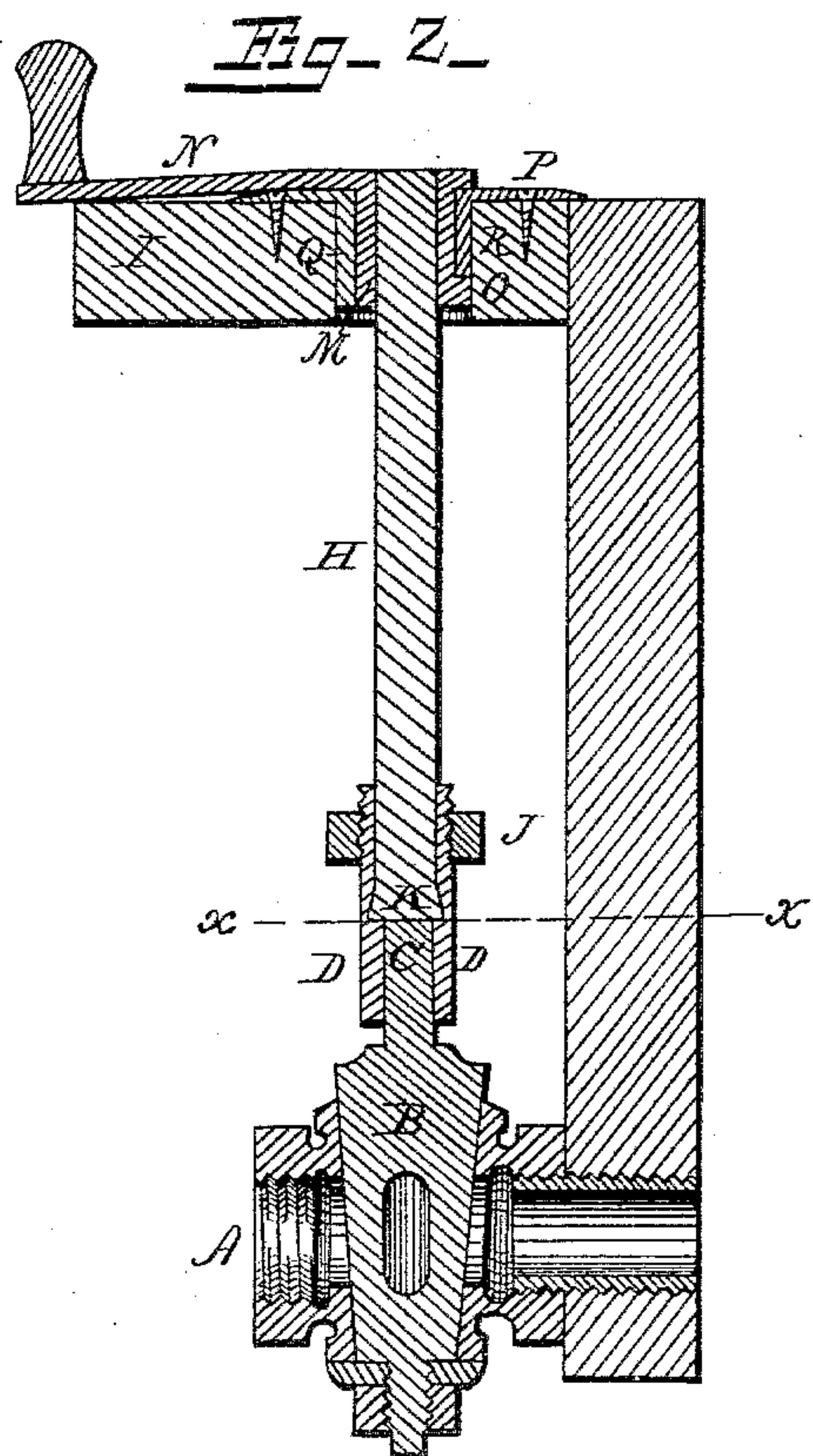
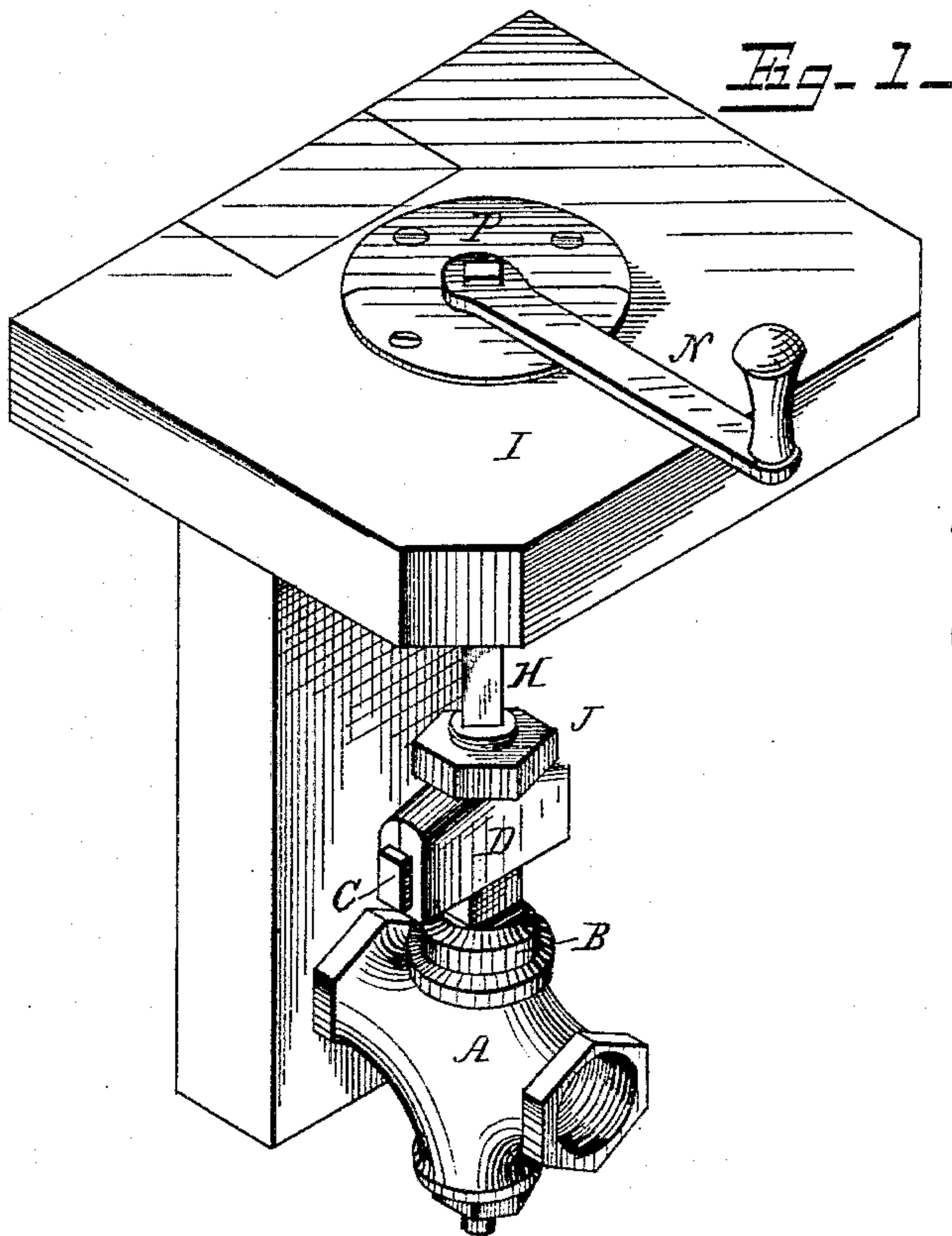


(No Model.)

W. S. PAYNE.
STOP COCK CLAMP.

No. 300,501.

Patented June 17, 1884.



WITNESSES
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N. L. Collamer

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UNITED STATES PATENT OFFICE.

WALTER S. PAYNE, OF TITUSVILLE, PENNSYLVANIA.

STOP-COCK CLAMP.

SPECIFICATION forming part of Letters Patent No. 300,501, dated June 17, 1884.

Application filed August 9, 1882. Renewed December 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, WALTER S. PAYNE, of Titusville, in the county of Crawford and State of Pennsylvania, have invented certain
5 new and useful Improvements in Stop-Cock Clamps; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and
10 use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view. Fig. 2 is a vertical sectional view. Fig. 3 is a sectional
15 view on the line *x x*, Fig. 2, and Fig. 4 is a detail view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to stop-cocks generally used by plumbers where water is carried
20 into buildings through pipes, the stop-cock being placed in connection with the water-pipe under the basement-floor or in the ground, as the case requires; and the invention consists in certain improvements in the rod and
25 clamp for operating the plug of the stop-cock, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the stop-cock, and B the plug of the
30 same, having the T-head C.

D D are a pair of half-jaws or clamps, having recesses E to receive the T-head C, and provided with shanks F, having V-shaped
35 grooves or recesses G, to receive the lower end of a square operating-rod, H, which extends upward through the floor I or outward through a wall, as the case may be, according to the location of the stop-cock.

40 The shanks F of jaws D are screw-threaded, to receive a clamping-nut, J, which thus serves to connect the plug, jaws, and operating-rod. To prevent the withdrawal of the latter its lower end is swaged to form a head, K, for
45 the accommodation of which recesses L are formed in the jaws D between recesses E and G.

Upon the upper or outer projecting end of the rod H is adjusted a sleeve, M, the upper

end of which has an operating-crank, N, while its lower end is provided with a lug or
50 flange, O, extending over one-fourth of its periphery.

A bearing for the sleeve M is formed by two semicircular plates, P, having downward-projecting semi-tubes Q R, forming the box or
55 bearing for the sleeve M, the former of these semi-tubes extending to the lower end of said tube, and the latter only to the flange O.

It will be seen that the semi-tube Q forms a stop for the flange O, which thus prevents the
60 crank, and consequently the plug of the stop-cock, from being turned more than a certain distance, which of course may be regulated by the size of the lug or flange O. It will thus be seen that the semicircular plates P, which
65 may be screwed or otherwise firmly secured to the floor or wall, form a solid and firm bearing and stop for the operating-rod, which is securely connected to the plug of the stop-cock, which may be operated by this mechanism
70 without undue strain.

I claim and desire to secure by Letters Patent of the United States—

1. The combination, as described, of the T-headed plug, the square operating-rod having
75 its lower end swaged to form a head, the clamping-jaws having recesses to receive the head of the plug, the head of the operating-rod, and the lower end of the latter, and provided with screw-threaded shanks, and a nut,
80 as and for the purpose set forth.

2. The combination of the operating-rod, mechanism, substantially as described, for connecting the same to the stop-cock plug, the
85 sleeve M, having crank N and lug or flange O, and the semicircular plates P P, having semi-tubular bearings Q R, of unequal length, one of said bearings, Q, forming a stop for the lug or flange O, as set forth.

In testimony that I claim the foregoing as
90 my own I have hereto affixed my signature in presence of two witnesses.

WALTER S. PAYNE.

Witnesses:

JOHN O'NEILL,

JOHN W. DOOLEY.