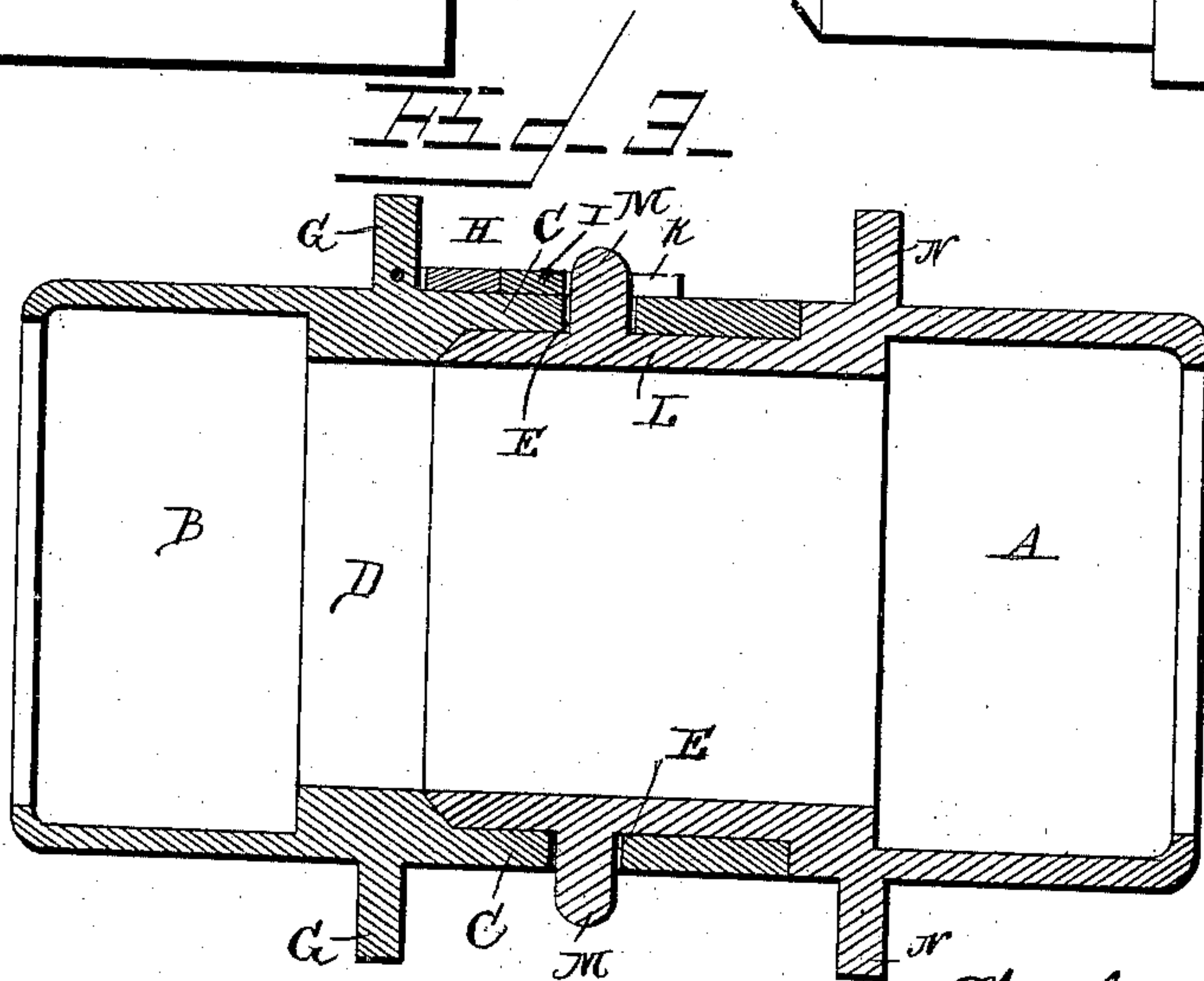
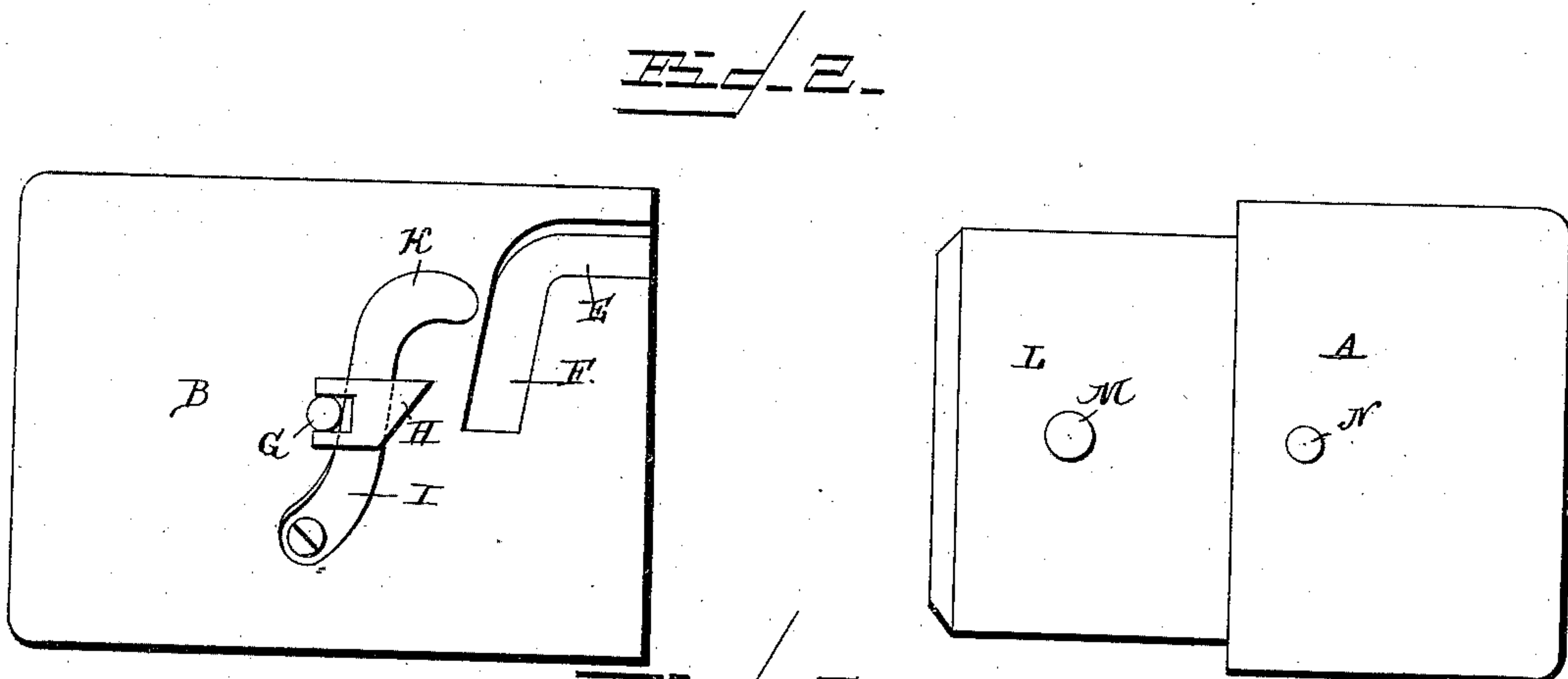
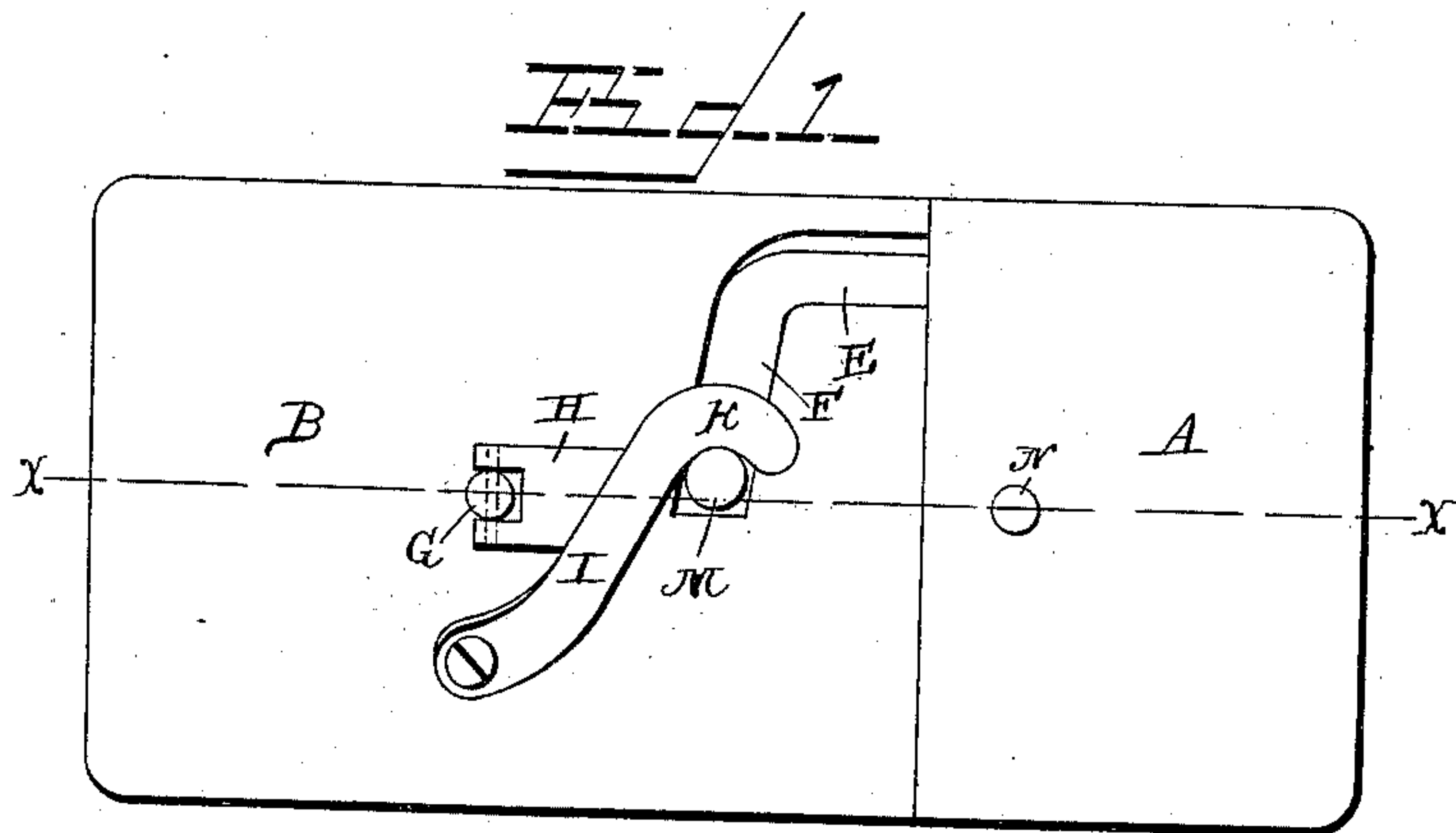


(No Model.)

C. KIEFER.  
HOSE COUPLING.

No. 383,360.

Patented May 22, 1888.



Witnesses.

Henry G. Dieterich,  
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# UNITED STATES PATENT OFFICE.

CHARLES KIEFER, OF TOLEDO, OHIO.

## HOSE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 383,360, dated May 22, 1888.

Application filed December 22, 1887. Serial No. 258,748. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES KIEFER, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have  
5 invented a new and useful Improvement in Hose-Couplings, of which the following is a specification.

My invention relates to an improvement in hose-couplings; and it consists in the peculiar  
10 construction and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a side elevation of a hose-coupling embodying  
15 my improvement, showing the members of the same connected together. Fig. 2 is a similar view showing the members of the coupling detached from each other. Fig. 3 is a sectional view taken on the line *x x* of Fig. 1.

20 A B represent the cylindrical members of the coupling, which are made of brass or other suitable material. One end of the member B is provided with a counterbore, C, thereby forming a flange, D, in the interior of the  
25 member, the said flange being arranged near the center of the member B. The said member is further provided at the counterbored end, on opposite sides, with open bayonet-slots E, the longer arms of which are slightly curved  
30 and arranged at a slight angle with relation to the outer end of the member, thereby forming cams F. The said longer curved arms of the bayonet-slots extend in opposite directions on opposite sides of the member.

35 From opposite sides of the member B, at the center thereof, project lugs G, to one of which is pivoted a detent-plate, H, the outer edge of which is arranged at an angle, as shown.

I represents a curved arm, which has its upper end pivoted to the member B at a suitable  
40 distance above the stud to which the detent-plate is pivoted, and the lower end of the said arm is curved to form a hook, K.

The member A has at one end a cylindrical  
45 extension, L, which is adapted to enter and fit snugly in the counterbore C of the member B and effect a ground water-tight joint therewith. At a suitable distance from the front end of the extension L, on diametrically-op-  
50 posite sides of the same, project lugs or pins M, which are adapted to enter the bayonet-

slots E when the members of the coupling come together. The said member A is further provided on opposite sides with projecting lugs N, which, like the lugs G of the member B, 55 are adapted to be engaged by a suitable wrench to turn the members of the coupling when the same come together, and thereby cause the lugs or pins M to move through the bayonet-slots to the extreme inner ends thereof, and 60 consequently act upon the cams F, so as to force the members of the coupling so tightly together as to make a steam-tight and water-tight joint between them. When the lugs or pins M are thus arranged at the inner ends of the 65 bayonet-slots, the hook K of the arm I engages one of said pins or lugs, and thereby locks the members of the coupling together, and the detent-plate H is then forced inward against the side of the member B, so as to cause its inclined 70 edge to engage the rear edge of the arm I and lock the latter in place.

Having thus described my invention, I claim—

The improved hose-coupling herein de- 75 scribed and shown, comprising the member A, having the reduced extended portion L, the lugs M on the said portion L, and the lugs N on its main body in rear of the said portion L, the member B, having open bayonet-slots pro- 80 vided with inclined cam portions to receive the lugs M of the member, and thereby draw the members together, and the internal annular flanges, D, to receive the end of the extended portion L of the member A, the lugs G on the 85 member B, the latch I, pivoted on the side of the member B, and having a hook, K, at one end to engage one of the lugs M when within the inclined portion of the bayonet-slot, and the detent-plate H, pivoted on one of the lugs 90 G, and having an inclined outer edge adapted to bear against the rear edge of the latch I and hold the same in engagement with the lug M, as set forth.

In testimony that I claim the foregoing as 95 my own I have hereto affixed my signature in presence of two witnesses.

CHARLES KIEFER.

Witnesses:

W. G. WELBOW,  
GEORGE M. PARKS.