

M. D. TEMPLE.
Pump-Brackets.

No. 153,992

Patented Aug. 11, 1874.

Fig. 1

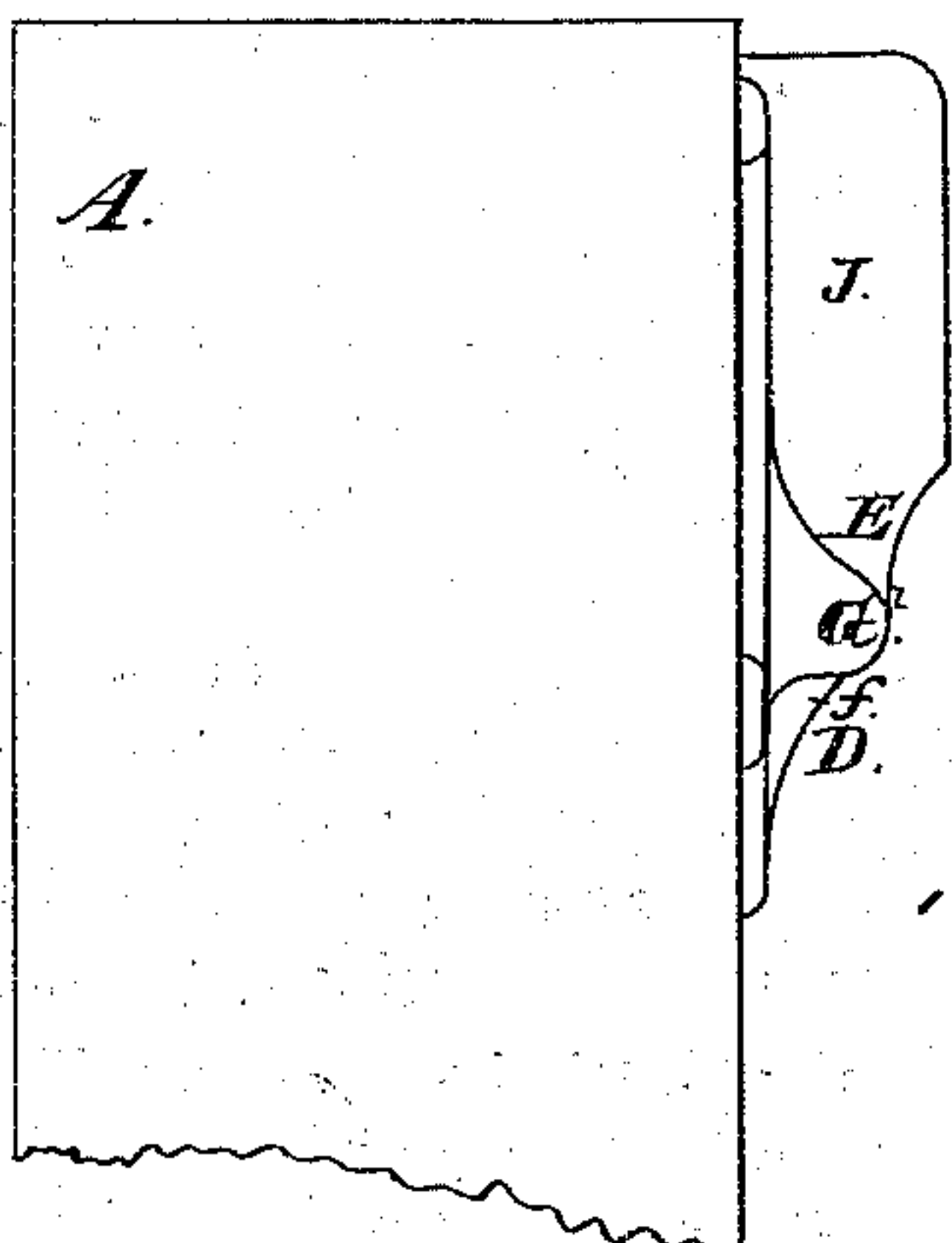


Fig. 2.

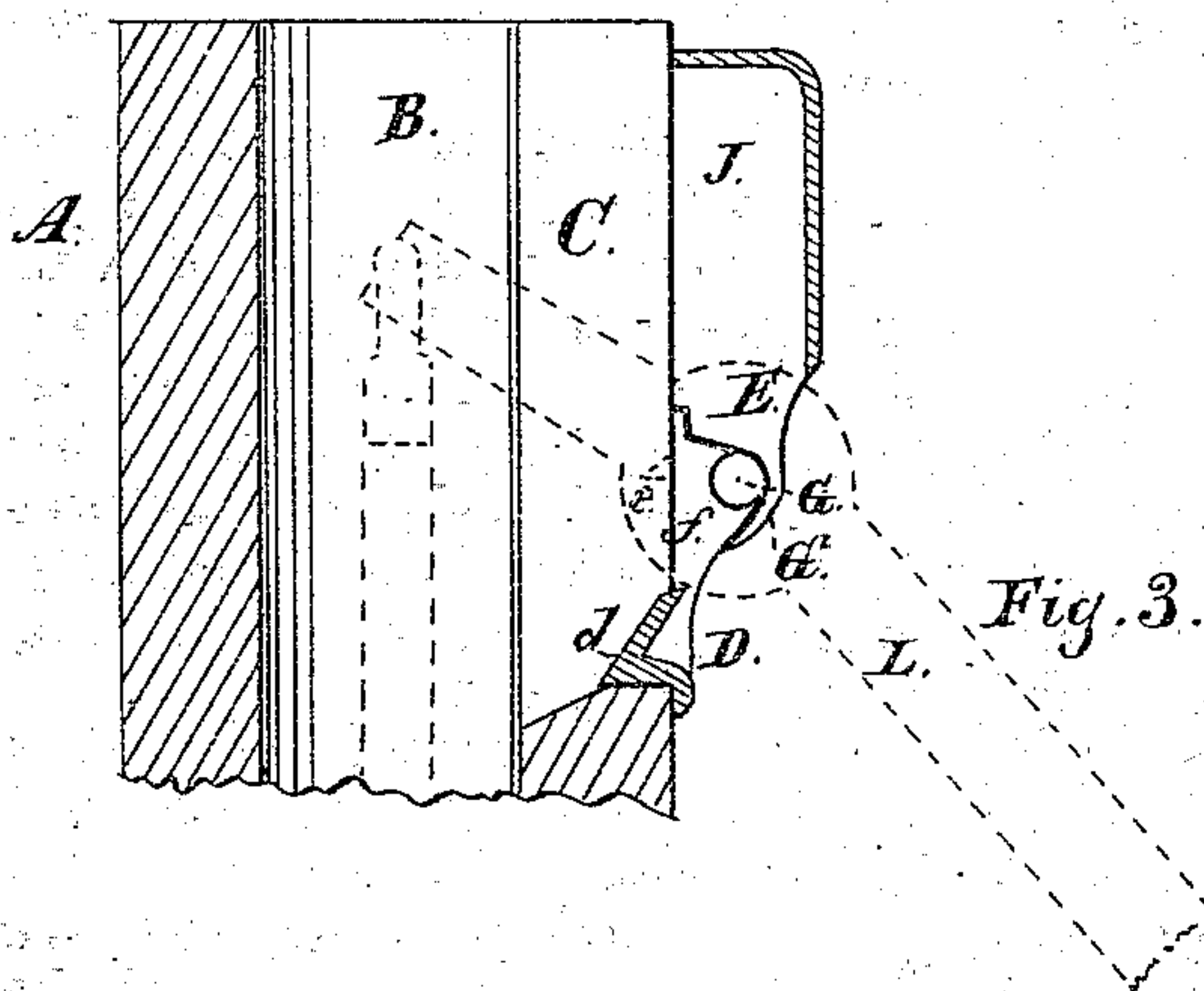
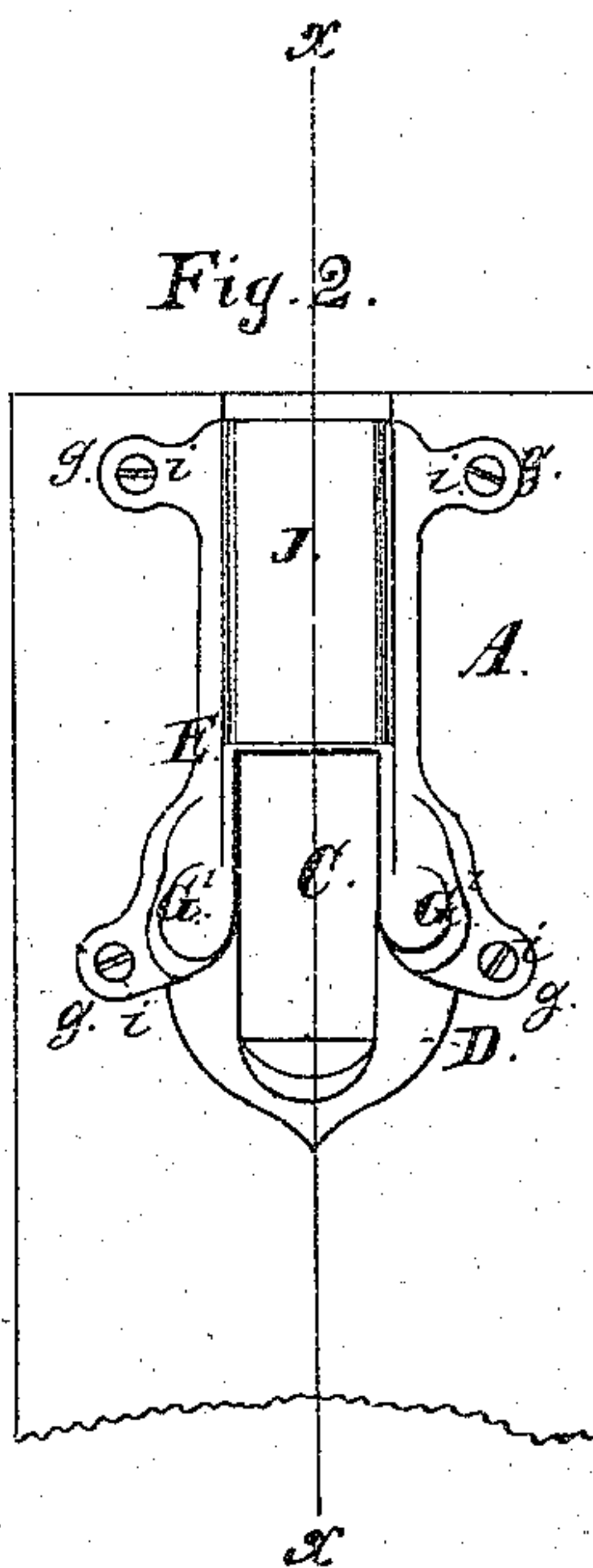


Fig. 4.



Fig. 5.

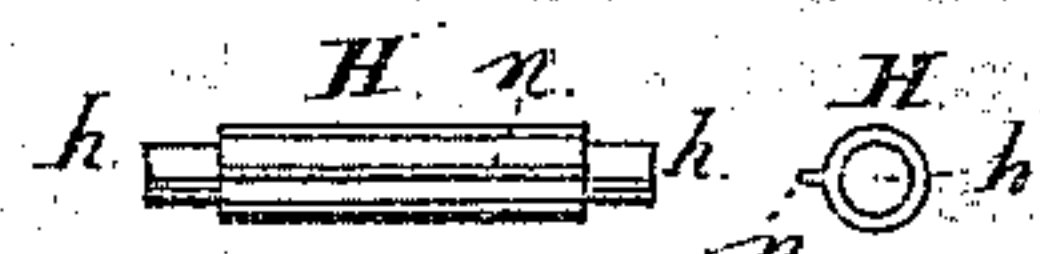
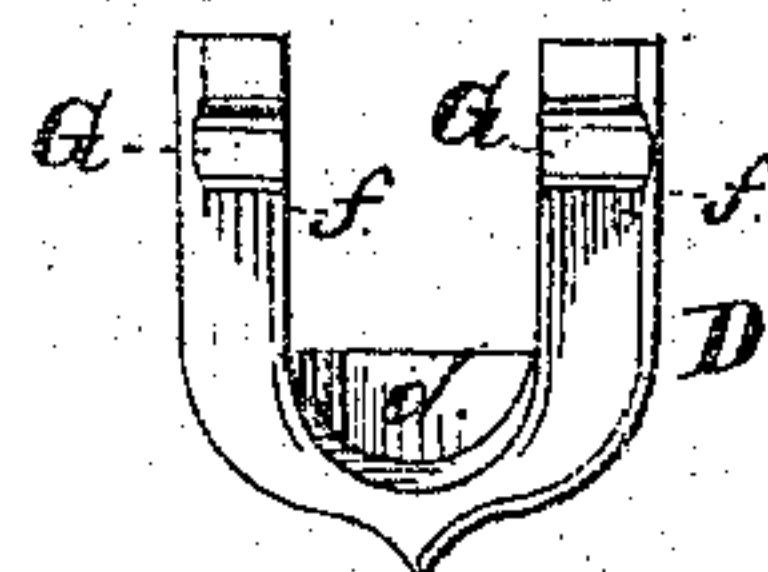


Fig. 6. Fig. 7.

Witnesses:

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UNITED STATES PATENT OFFICE.

MORRIS D. TEMPLE, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PUMP-BRACKETS.

Specification forming part of Letters Patent No. **153,992**, dated August 11, 1874; application filed April 2, 1874.

To all whom it may concern:

Be it known that I, MORRIS D. TEMPLE, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Pump-Brackets, of which the following is a specification:

My invention relates to the bracket for receiving the pivot upon which the pump-handle oscillates. The nature of the invention will sufficiently appear from the description and claims.

In the accompanying drawing, which forms a part of this specification, Figure 1 represents a side view of the upper part of a pump, and the bracket in its place. Fig. 2 is a face view of same. Fig. 3 is a section on *xx* of Fig. 2. Fig. 4 is a side, and Fig. 5 a face, view of the lower part of the bracket detached. Fig. 6 is a side, and Fig. 7 an end, view of the pivot detached.

Similar letters of reference in the several figures denote the same parts.

In said drawing, A represents the hollow wooden pump stock or body; B, the bore or interior cavity, and C the slot to admit the handle. D is the lower part or piece of the bracket. It is made with a shoulder, *d*, at its base, to fit into the bottom of the slot C, and is furnished above with dowel projections *e*, to be driven into the wood of the pump-stock at the sides of the slot C, to assist in keeping it in place. This piece D need not be secured in place by screws or bolts, or other contrivance, as it will be held sufficiently firm by the overlying part E, to be presently described. From the said lower piece D rise the projections *f f*, one at each side of the slot C, hollowed at the upper extremity into the bearings G G, to receive the ends *h* of the axle or pivot H. The other part E of the bracket is composed of the two caps G' G', which sit down over the bearings G G, and retain the pivot in place. These caps may simply extend up each side of the slot in prolongation, or may be connected together by the box-like covering J, which serves as a strengthening to the parts, and also as a housing to the upper end of the pump-handle and the slot. This housing I have shown in the drawing, and deem it part of my invention. This overlying part, consisting of the caps G' G', is furnished with lugs *g g g g*, pierced with holes, through

which screws *i* are driven into the pump-stock, serving to secure the entire bracket, both lower and upper parts, in place. The entire upper part and the entire lower part of the bracket are made of iron, and each cast in a single piece. The pivot or axle (shown at Figs. 6 and 7 detached) is preferably made with shoulders *h*, and a feather or key, *n*, to prevent it from turning in the pump-handle, which is shown in dotted lines at L in Fig. 3.

It will be seen that the caps G' G' cover not only the sides, but also the ends, of the journals of the pivot, and that the pivot cannot wear loose and drop out. This bracket, being of iron, will endure as long as the pump-stock, is easily and cheaply made, and readily applied and removed.

It will also be readily understood that, by reason of the bearing for the journal of the pivot being made in two parts, G G', it is possible to employ the shouldered feathered pivot shown, which could not be inserted otherwise.

With this bracket the pump-handle may be fitted with the pivot driven in place, and then the handle may be attached to the pump-rod, the lower part of the bracket only being upon the pump. When all is connected and adjusted, the upper part, containing the caps G' G', is applied, and, being secured by screws, holds the entire bracket securely in its place, much simplifying the assembling and adjustment of the parts.

Having now described my invention, that which I deem new, and desire to secure by Letters Patent, is—

1. The part D, made with shoulder *d* and dowels *e*, and fitted with half-bearings G G, in combination with the caps G' G', secured to the pump-stock by screws or their equivalents, as specified and shown, whereby said part D is secured in place.

2. The part D, made with the shoulder *d*, dowels *e*, and half-bearings G G, in combination with the part E, having the housing J and caps G' G', and secured to the pump-stock by means of lugs *g* and screws *i*, or equivalents, as specified.

MORRIS D. TEMPLE.

Witnesses:

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