

W. W. DUTCHER & E. S. STIMPSON.

Loom-Temples.

No. 146,757.

Patented Jan. 27, 1874.

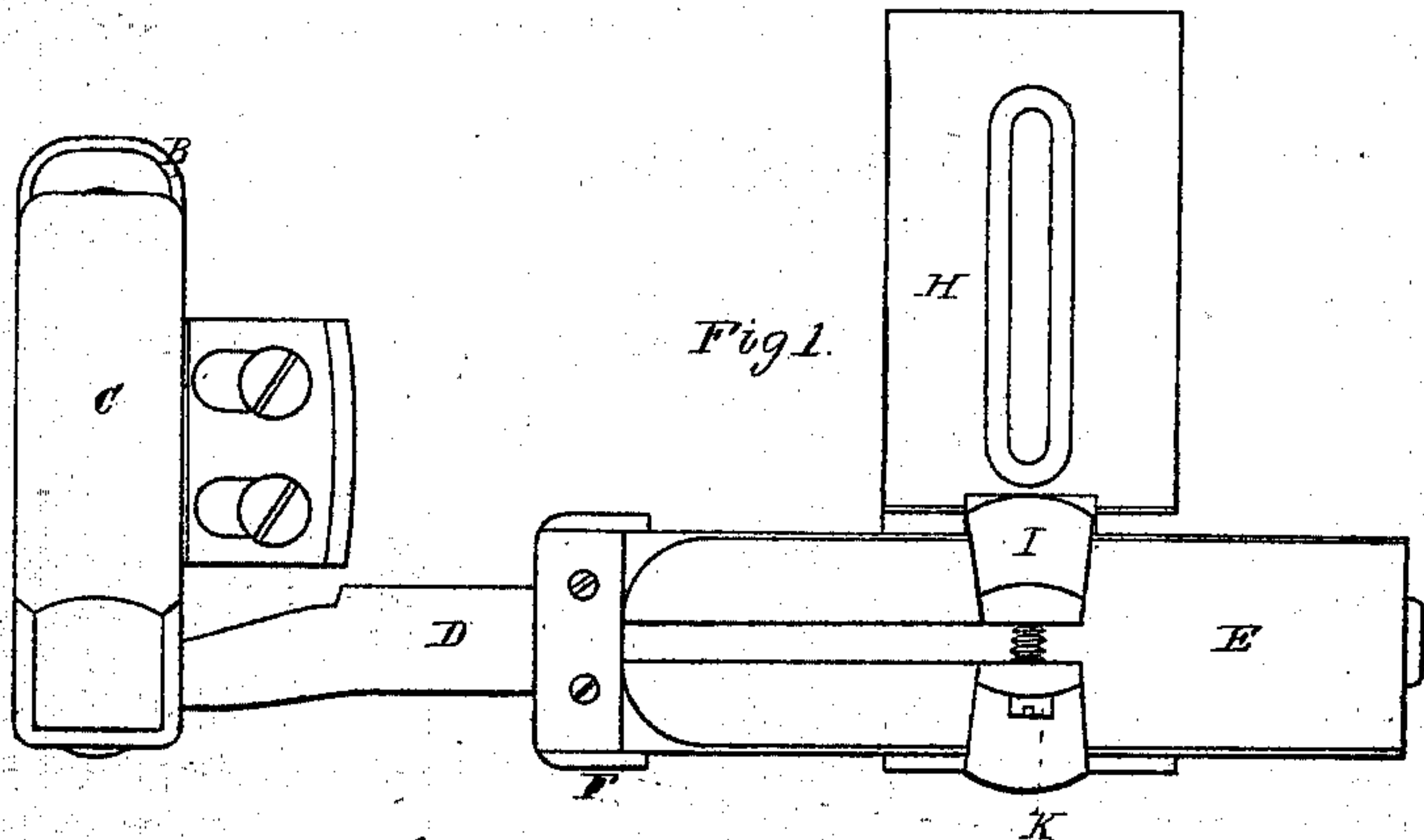


Fig. 1.

Fig. 4.

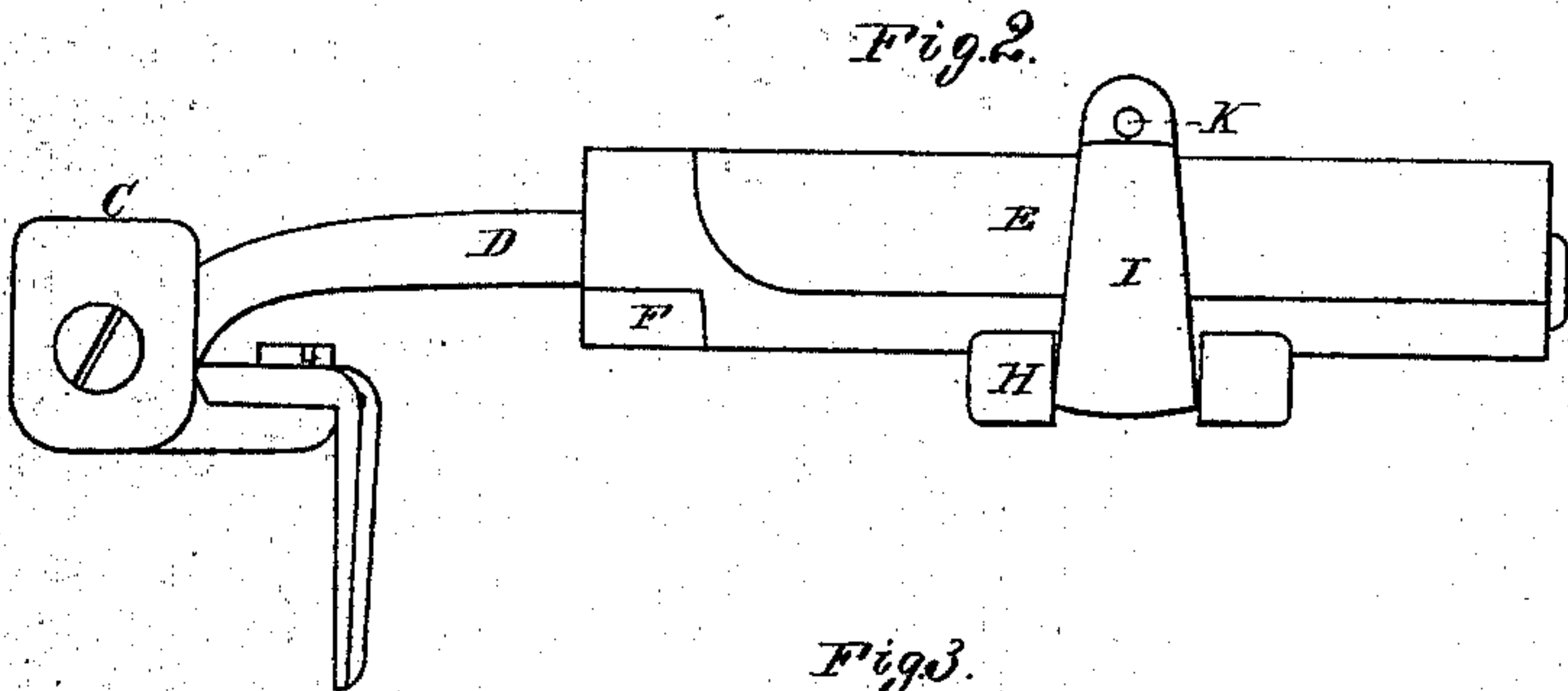
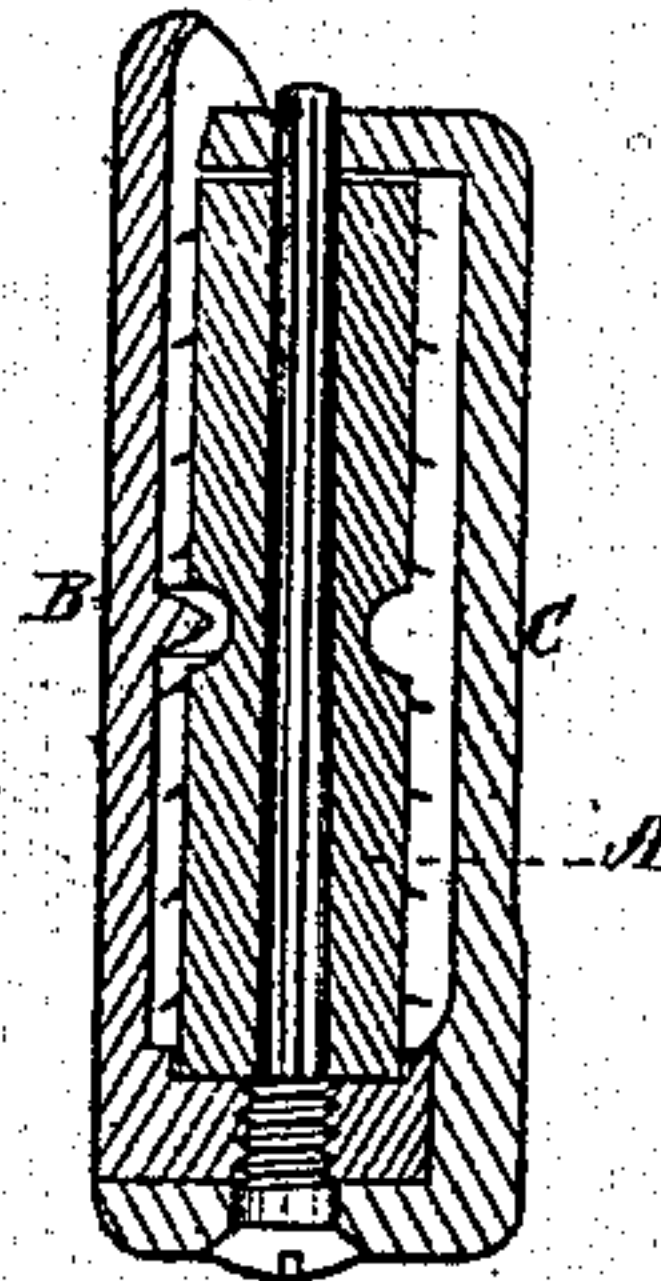


Fig. 2.

Fig. 5.

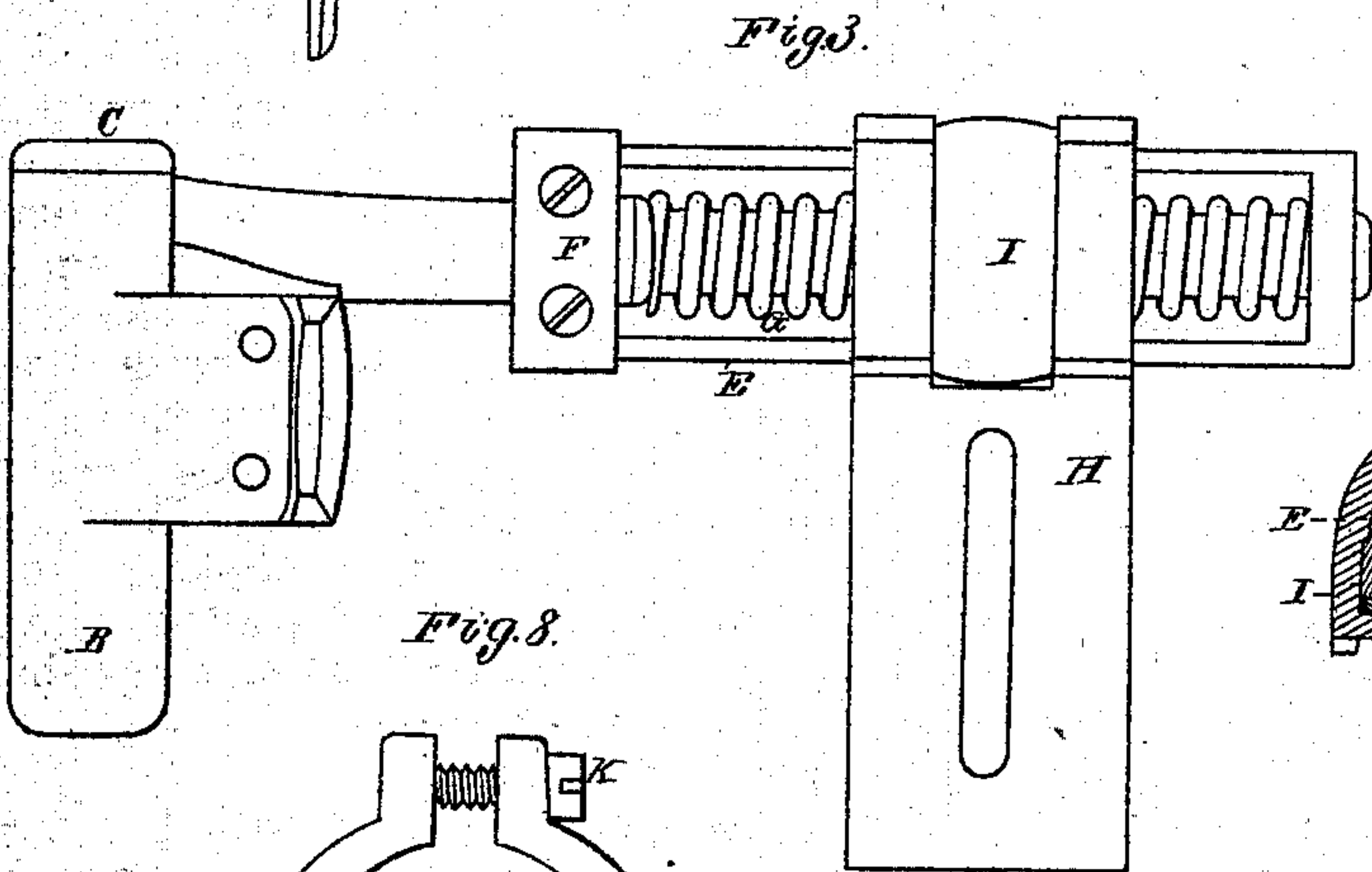
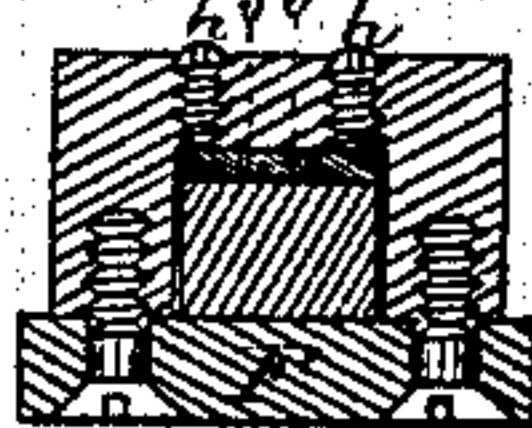


Fig. 3.

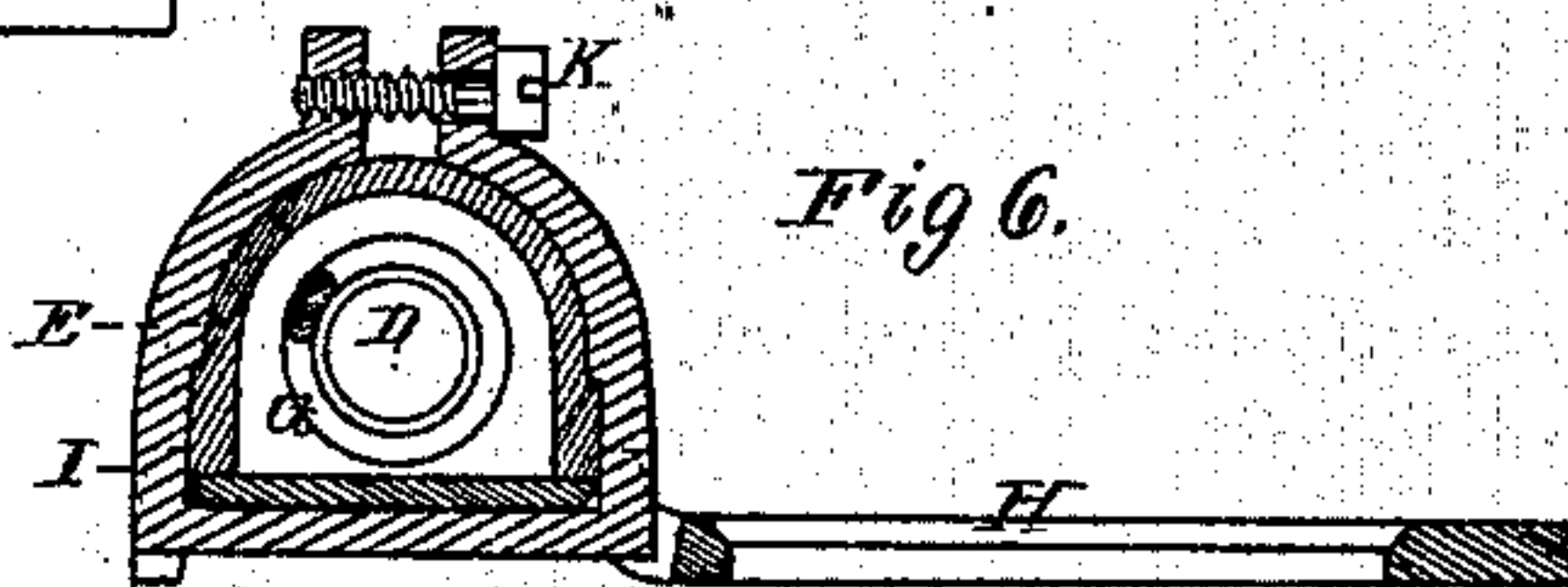


Fig. 6.

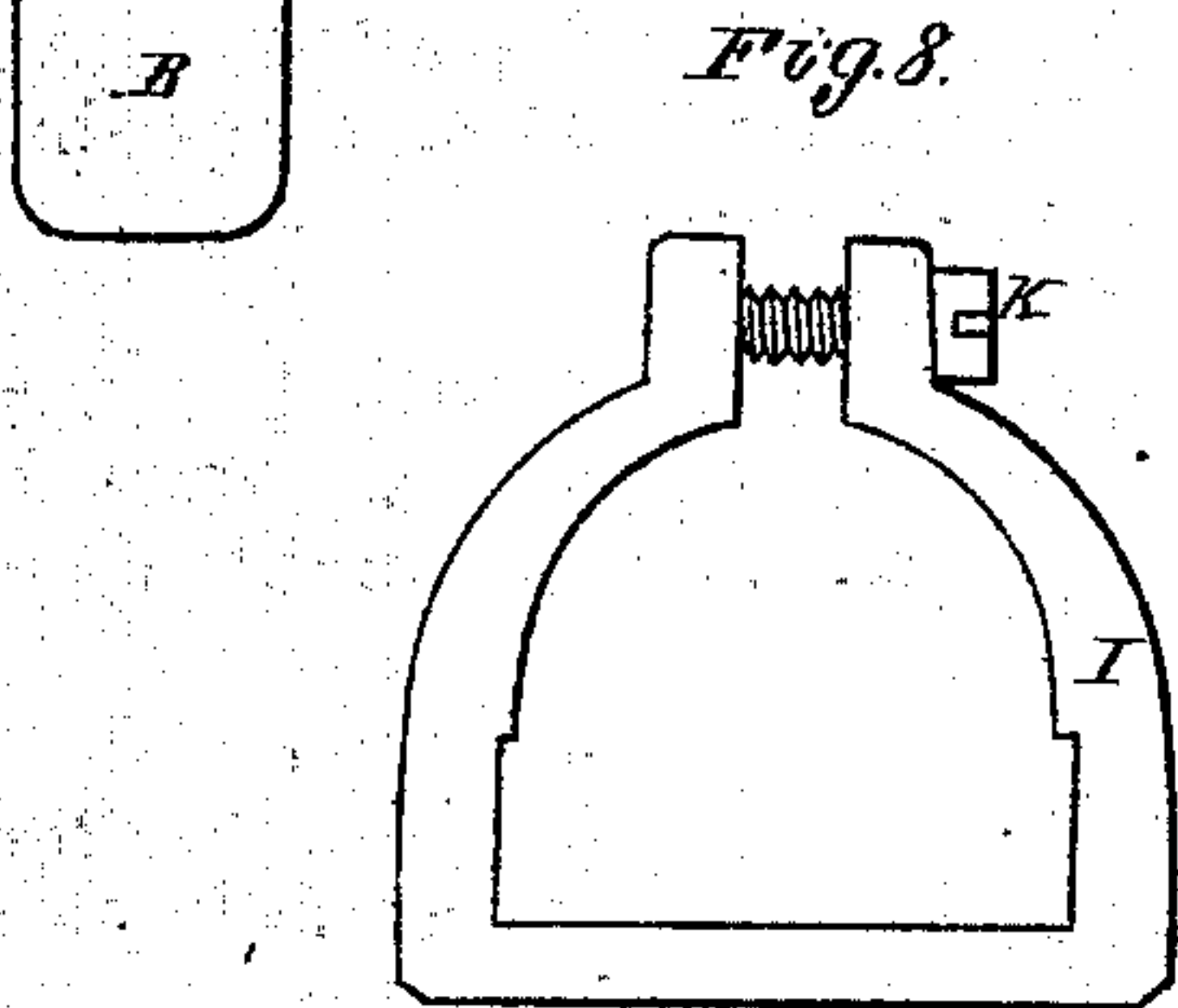
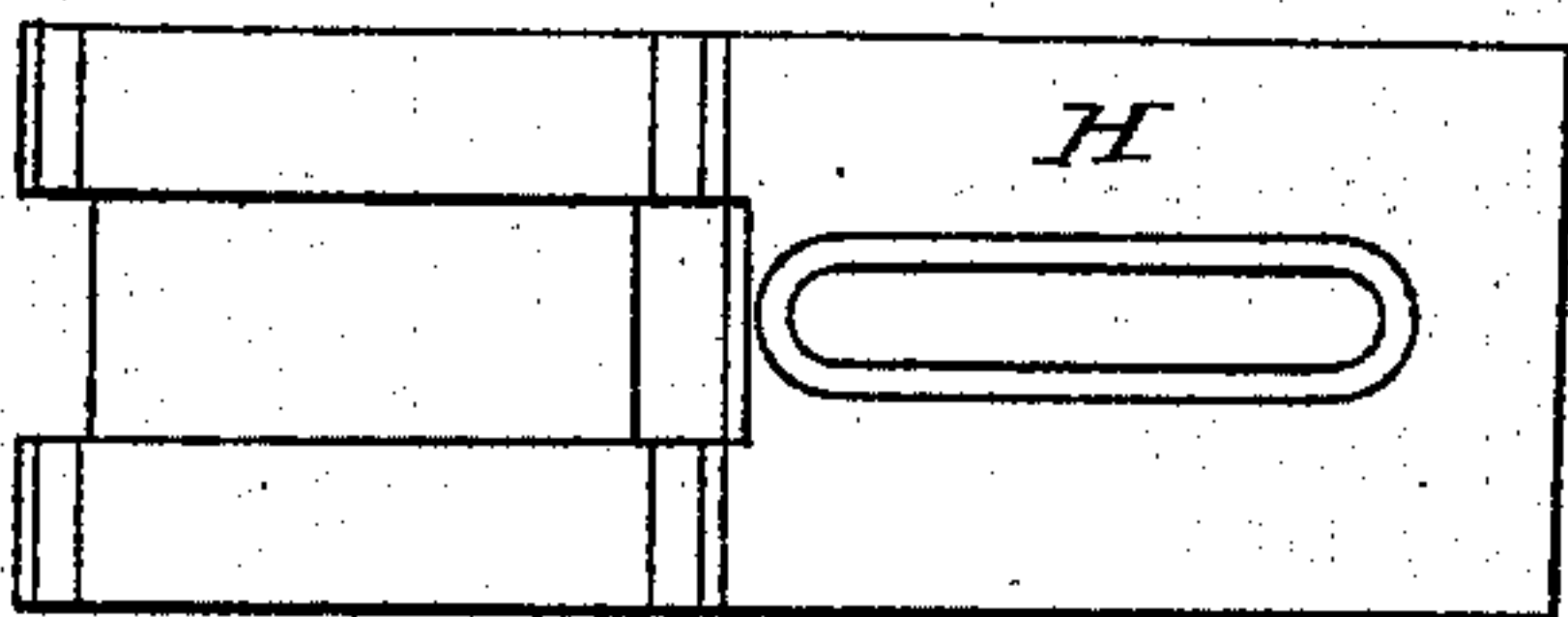


Fig. 8.

Fig. 7.



Witnesses.

S. N. Piper.  
L. N. Miller.

Warren W. Dutcher  
and  
Edward S. Stimpson.

by their attorney

R. H. Eddy

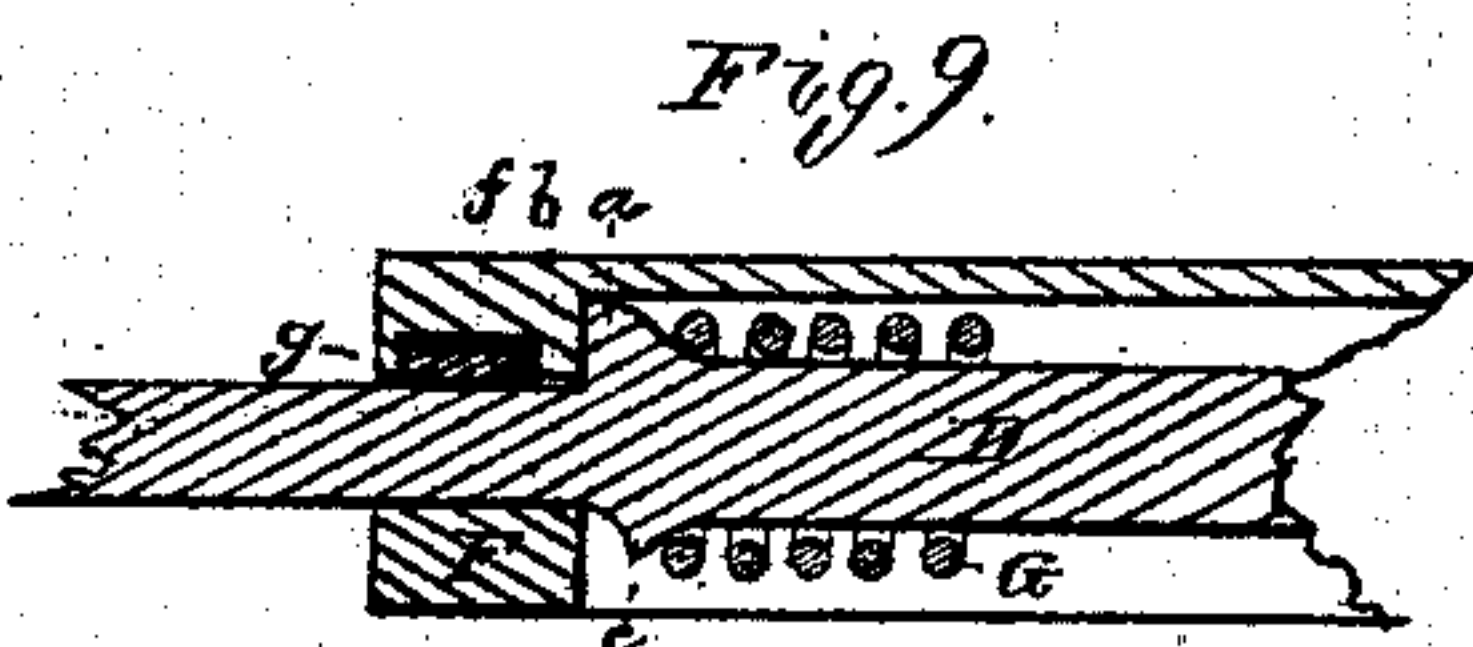


Fig. 9.



# UNITED STATES PATENT OFFICE.

WARREN W. DUTCHER AND EDWARD S. STIMPSON, OF HOPEDALE, MASSACHUSETTS, ASSIGNORS TO WARREN W. DUTCHER, OF SAME PLACE.

## IMPROVEMENT IN LOOM-TEMPLES.

Specification forming part of Letters Patent No. 146,757, dated January 27, 1874; application filed June 9, 1873.

*To all whom it may concern:*

Be it known that we, WARREN W. DUTCHER and EDWARD S. STIMPSON, of Hopedale, of the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Loom-Temples; and we do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view; Fig. 2, a side elevation; Fig. 3, a bottom view, and Figs. 4, 5, and 6 transverse sections of one of our improved roller-templates. Fig. 7 is a top view of the base-plate, and Fig. 8 is a side view of the stirrup-clamp for holding in connection such base-plate and the shank-case of the temple; and Fig. 9 is a longitudinal section of part of the shank and its case.

Our invention has reference to the shank-case and the supporting devices therefor. The nature of our invention consists of a temple as provided with a recess, a plate, and supporting-screws, arranged with the case and the shank, as and for the purpose as hereinafter explained. Also, in a contractile stirrup-clamp and its screw, arranged and combined with the base-plate and shank-case of the temple, all being substantially as hereinafter set forth.

In the drawings, A denotes the toothed temple-roller; B, its trough; C, the cap of the trough, and D the shank projecting from and serving to support the trough. The shank-case E we make open at bottom and with the shank-holding cross-piece F arranged so as to extend across the lower side of the shank. The stop-shoulders *a* and *b* are shown, one as projecting from or formed upon the shank, and the other from the case, they being arranged as represented. The operative spring G of the shank envelops it, and bears at its front end against another shoulder, *c*, of the shank, and at its rear end against the rear part of the case, all as shown.

The case, in this instance, is a cover going over the spring in order to protect it from dust or filamentous deposits, and is separate from

and secured to the base-plate H by a stirrup-shaped clamp, I, which is formed and arranged with the case and the base-plate, in manner as represented, and at its ends or upper parts is provided with a clamp-screw, K, disposed with and applied to them, in manner as shown. The base-plate is grooved transversely to receive the case, and it is also slotted to receive the stirrup-clamp, in manner as represented, the said case going through the stirrup-clamp and being held to the base-plate by it and its screw, when the latter is screwed up so as to contract the clamp upon the case. The said clamp admits of the case being moved longitudinally and adjusted on the base-plate, as circumstances may require.

Furthermore, in order to prevent noise or clatter of the shank in case of wear of it, or of its supporting-bearing at the front of the case, we make one side of such bearing adjustable, or construct the case at top with a recess or open chamber, *f*, to receive a small bearing-plate, *g*, of hardened steel, to rest against screws *h h* screwed down through the top of the case or arranged therein, and with respect to the plate *g*, in manner as represented.

This adjustable plate and the screws not only save the temple-case from wear at its head by the shank, but effectually prevent the evil consequences resulting therefrom, and operate to prevent vertical vibration of the shank while it may be in operation.

We claim—

1. The temple, as provided with the recess *f*, the plate *g* and its supporting-screws *h h*, arranged with the case and the shank, as and for the purpose specified.

2. The contractile stirrup-clamp and its screw, arranged and combined with the base-plate and the shank-case, substantially as set forth.

WARREN W. DUTCHER.  
EDWARD S. STIMPSON.

Witnesses:

R. H. EDDY,  
S. N. PIPER.