

J. Haggerty,
Clasp,
No 68,737, Patented Sep. 10, 1867.

Fig: 1.

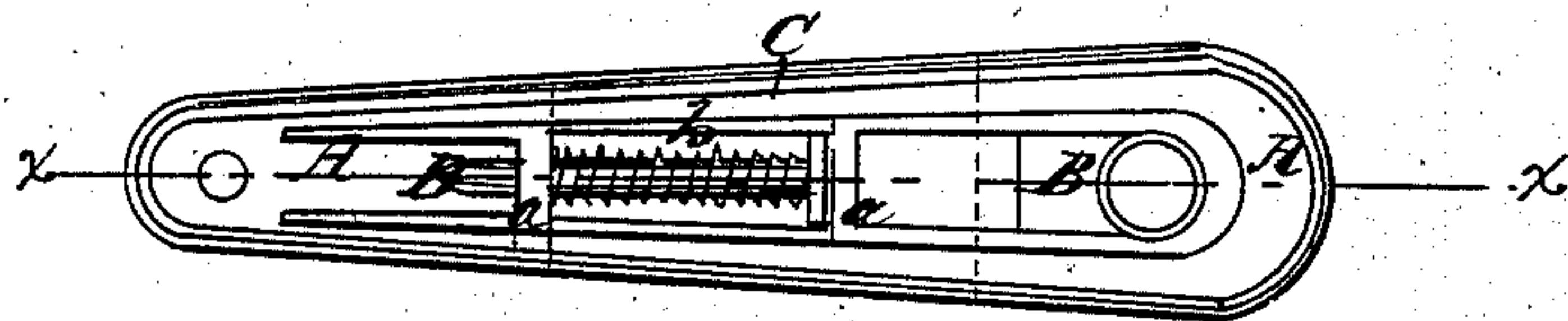
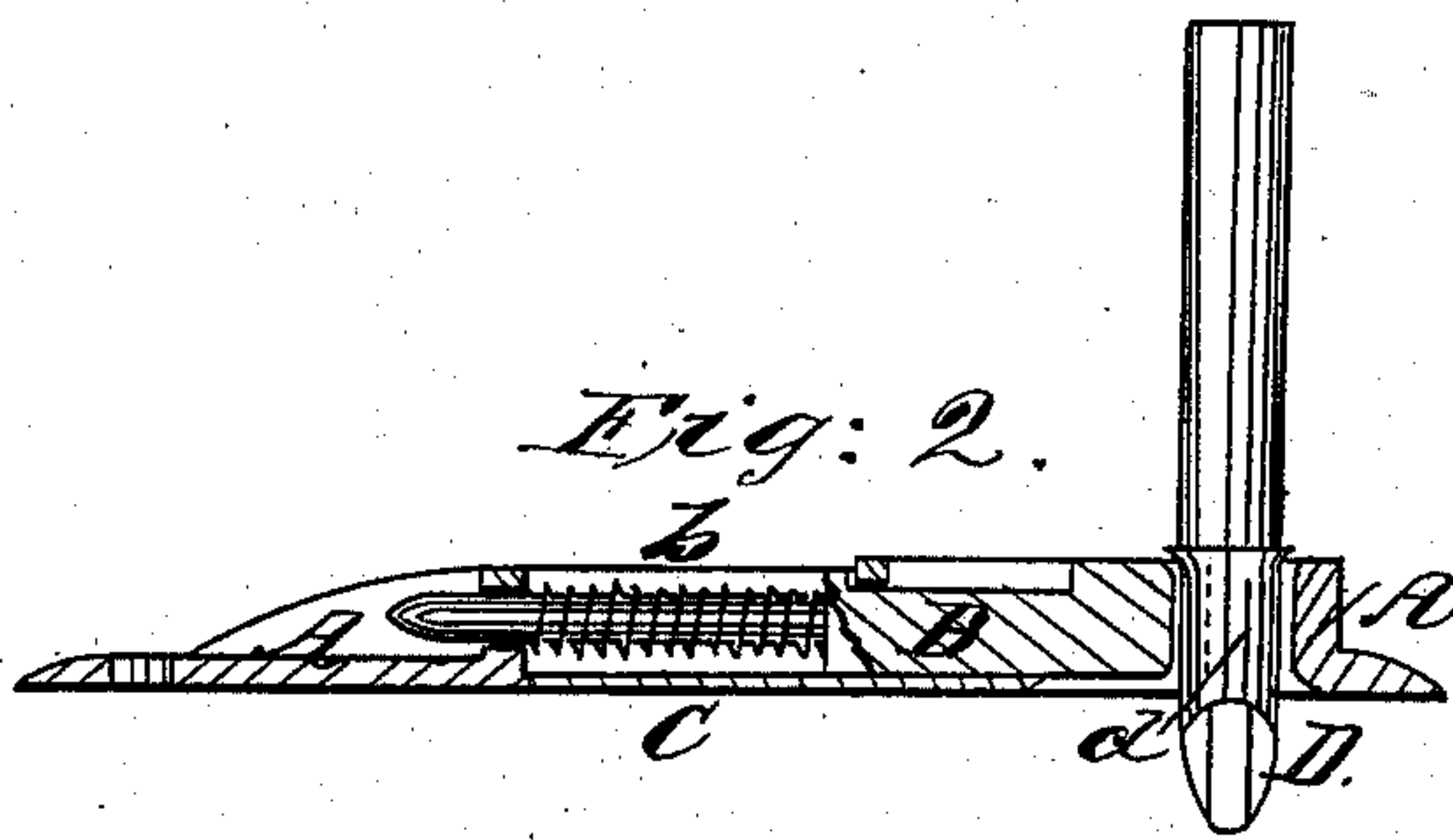


Fig: 2.



Witnesses:
Thos Ensch
W. Truitt.

Inventor:
Jno Haggerty
Per Munnell
Attorney.

United States Patent Office.

JOHN HAGGERTY, OF EAST SPRINGFIELD, PENNSYLVANIA.

Letters Patent No. 68,737, dated September 10, 1867.

IMPROVEMENT IN COCK-EYES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN HAGGERTY, of East Springfield, in the county of Erie, and State of Pennsylvania, have invented a new and useful Improvement in Cock-Eyes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to an improvement in cock-eyes, and consists of a bed of malleable iron, or other suitable material, in which a spring-bolt is set and held in place by a sliding plate. This is sewn between the two thicknesses of leather in the tug, and clamps the head of the whiffle-tree. In the accompanying drawings—

Figure 1 is a back view of my improved cock-eye, and

Figure 2 is a horizontal section thereof at line *x x*.

Similar letters of reference indicate like parts.

A is an open trough-shaped bed, of malleable iron, or other suitable material, having a cross-piece, *a*, and stop *a'*. The cross-piece *a* forms, with the bed A, a socket to receive the end of the spring-bolt B, which is inserted from the front of the bed A, and is held in place by the cross-piece *a*, stop *a'*, and rhomboidal sliding plate C, sliding in grooves in the front of A, as shown by the dotted lines, fig. 1. The plate C might be dispensed with, and a pin or other fastening substituted for it.

The cock-eye, consisting of the bed A, spring-bolt B and its fastening, is sewn between the two thicknesses of leather in the tug, and slipped over the head D of the whiffle-tree, the spring *b* being forced back in the operation. The trace being then turned, the head D bears against the bed A, and its neck *d* is clamped by the spring-bolt B.

What I claim as new, and desire to secure by Letters Patent, is—

1. The spring-bolt B, set in the bed A, and in combination with it, in manner and for the purposes as above set forth and described.

2. The bed A, bolt B, spring *b*, and plate C, or its equivalent, forming together a spring cock-eye, all substantially as and for the purposes above set forth and described.

JOHN HAGGERTY.

Witnesses:

M. W. ROBISON,
GEORGE HEDDEN.