

(No Model.)

L. O. CROCKER.

TICKET PUNCH.

No. 350,349.

Patented Oct. 5, 1886.

Fig. 1.

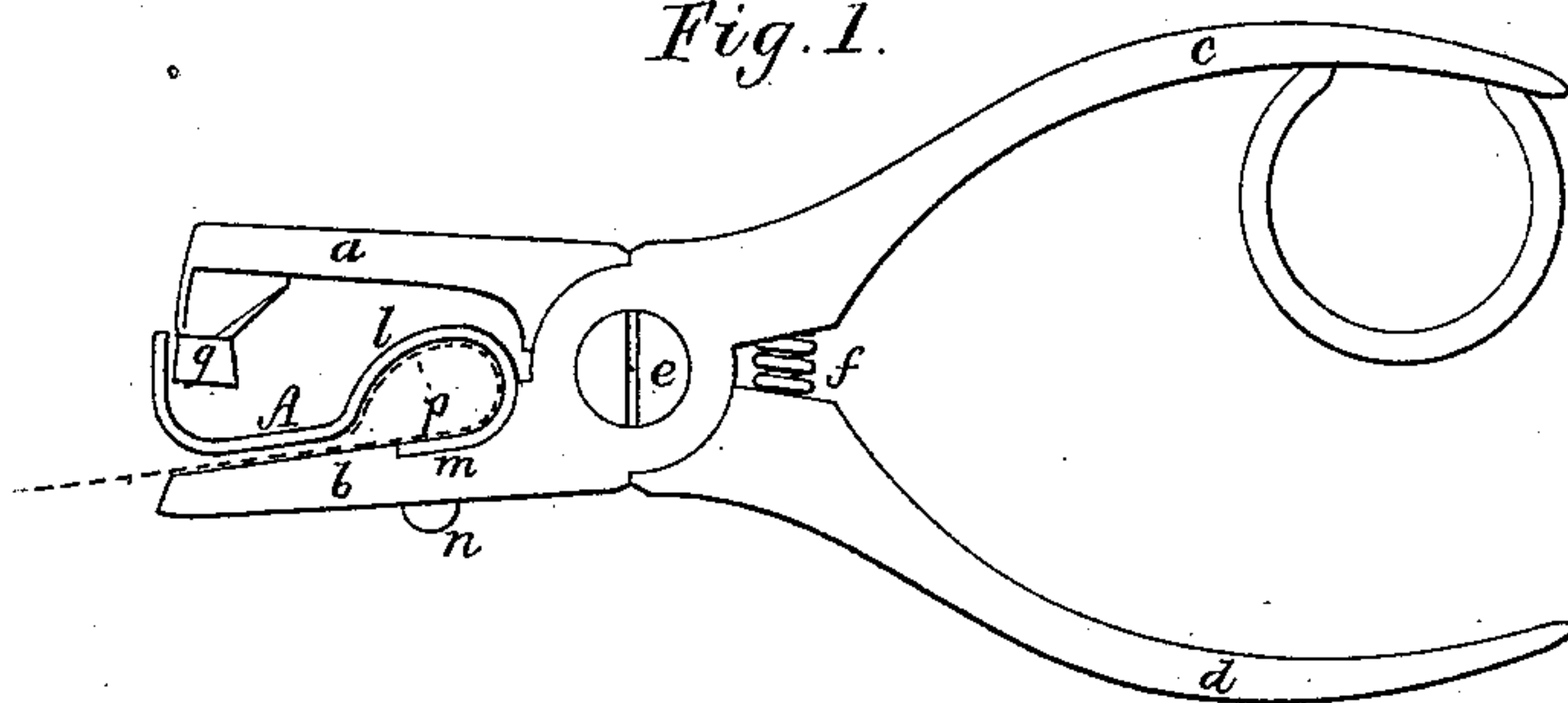


Fig. 2.

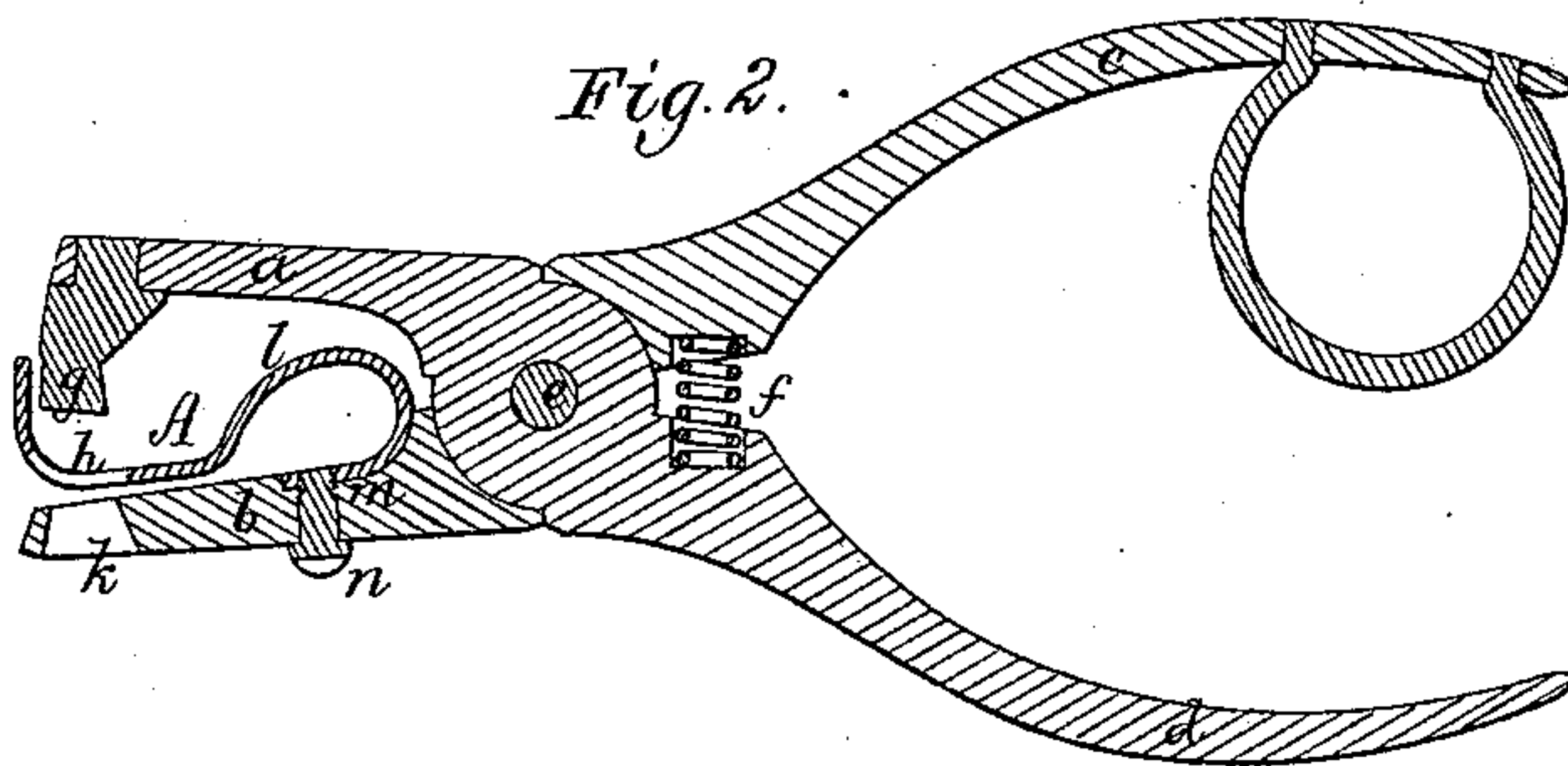
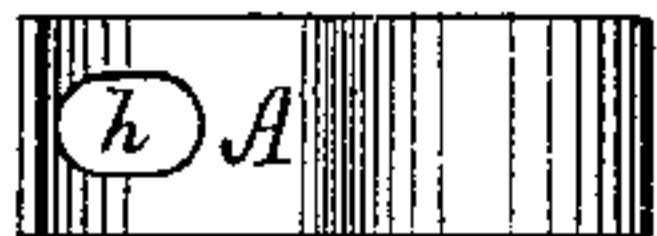


Fig. 3.



Witnesses.
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LUTHER OSBORNE CROCKER, OF EAST BRAINTREE, MASSACHUSETTS.

TICKET-PUNCH.

SPECIFICATION forming part of Letters Patent No. 350,349, dated October 5, 1886.

Application filed April 19, 1886. Serial No. 199,368. (No model.)

To all whom it may concern:

Be it known that I, LUTHER OSBORNE CROCKER, of East Braintree, in the county of Norfolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Ticket-Punches; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side view, and Fig. 2 a longitudinal section, of a ticket-punch containing my invention, the nature of which is defined in the claims hereinafter presented. Fig. 3 is a top view of the clearer.

The improvement relates to the clearer of a ticket-punch and its arrangement with the jaw to which it is affixed.

In the drawings, the two jaws of the punch are shown at *a* and *b*, and their handles at *c* and *d*, their connection or fulcrum-screw at *e*, their opening-spring at *f*, punching-die at *g*, and clearer at *A*, such clearer being perforated, as shown at *h*, to allow of the passage of the die *g* through it and into the aperture *k* of the jaw *b*. The said clearer is a spring having its rear half bent in bow form, as shown at *l*, and its lower part inserted in a recess, *m*, in the jaw, so as to bring the upper surface of such part flush or even with the upper or bearing surface of the jaw. The clearer is fastened to the jaw by a screw, *n*, that goes upward through the jaw and screws into the clearer. This form of the clearer allows a sheet of paper to be farther introduced into it than it can be with a clearer as usually constructed without any bend or bow *l*, for with the improved clearer the paper, on being introduced between the clearer and the jaw *b* and forced backward against the rear of the opening in the bow, will be caused by the bow

to turn or fold therein upon itself, as shown by dotted lines at *p*.

By having the upper surface of the lower part of the bow flush with the upper surface of the jaw to which the clearer is attached the lower end of the clearer becomes covered, so as to present no obstruction to the paper while the latter is being introduced into the bow.

I do not claim a clearer constructed and applied to a ticket-punch as represented in either of the United States Patents No. 230,129, or No. 313,027, in which the clearer is shown as in no respect bow-shaped at its rear, as is the case with that of my invention, while mine, on a card or piece of paper being forced into it, causes such card to bow or fold upon itself. Neither of the clearers shown in such patents can do this, because the paper cannot be forced into either of them, but only between it and the lower jaw of the punch.

I claim—

1. A ticket-punch provided with a clearer bow-shaped, substantially as represented, in its rear part, and having such part secured to one of the jaws of said punch.

2. A ticket-punch provided with a clearer bow-shaped, substantially as represented, in its rear part, and having the lower portion of such part inserted and fastened in a recess in one of the jaws of said punch, so as to cover the rear or lower end of the said clearer and bring the upper surface of the jaw flush with that of the said lower portion of the bow of the clearer, all being essentially as set forth.

LUTHER OSBORNE CROCKER.

Witnesses:

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