A. NEWBURY.

PAPER-HOLDER.

No. 193,175. Patented July 17, 1877.

Fig. 1.

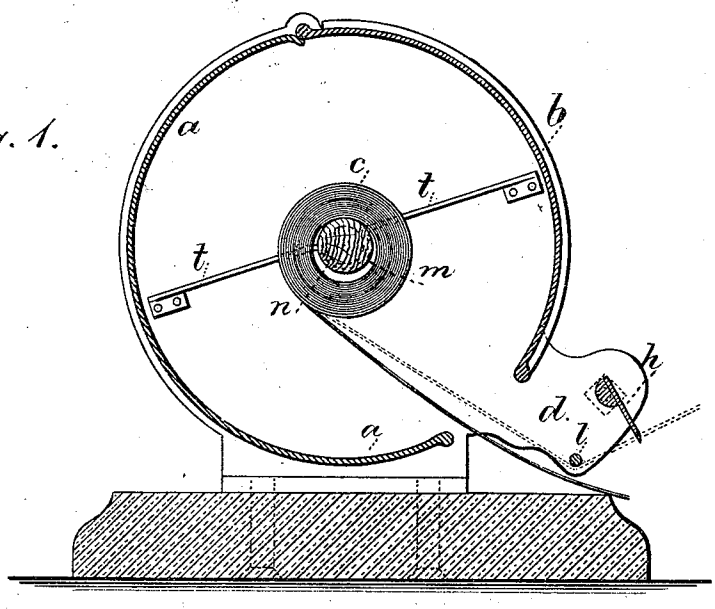
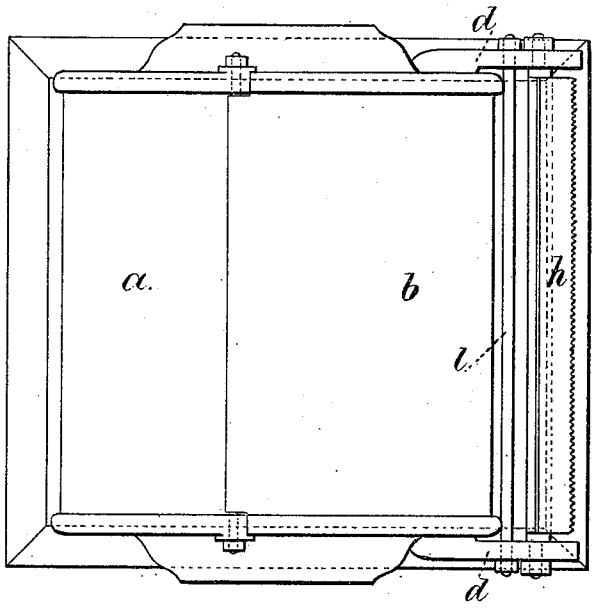


Fig. 2.



Witnesses

Chas. H. Smith

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per Lemuel W. Serrell

atty

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UNITED STATES PATENT OFFICE.

ALONZO NEWBURY, OF COXSACKIE, NEW YORK, ASSIGNOR TO BENJAMIN F. EATON, OF SAME PLACE.

IMPROVEMENT IN PAPER-HOLDERS.

Specification forming part of Letters Patent No. **193,175**, dated July 17, 1877; application filed April 9, 1877.

To all whom it may concern:

Be it known that I, ALONZO NEWBURY, of Coxsackie, in the county of Greene and State of New York, have invented an Improvement in Paper-Holding Cases, of which the following is a specification:

In Letters Patent, No. 158,203, granted to B. F. Eaton, a cylindrical holder and cover are set forth, in which a roll of paper is introduced and the sheet is pulled out of the desired length and torn off. In this instance the paper is operated by one hand and a swinging blade by the other, against which the paper is torn.

The object of the present invention is to allow the web of paper to be drawn along and torn off at any desired length by the use of one hand only. This object is accomplished by the combination, with the case, of a knife-edge with serrations or points that penetrate the paper as soon as the paper is turned or drawn up against the points, so that the paper is easily torn off against the edge of said knife, and in order to separate the remaining edge from the knife, and allow it to be grasped and drawn forward, a bar is used below the knife, beneath which the paper passes, and hence the edge of the paper is caused to spring away from the knife, and its edge swings forward from beneath the knife sufficiently to facilitate the grasping of the edge.

In the drawing, Figure 1 is a vertical section transversely of the roll of paper, and Fig. 2 is a plan of the paper holder and knife.

The case is made of a lower portion, *a*, and a cover, *b*. This case is of a suitable size and shape. It may contain only one roll, *c*, of paper, or it may contain two rolls of paper of different widths laid end to end, as in aforesaid patent, and the case may be separate from the frame carrying the knife, as in said patent; or the ends of the case may be prolonged, as at *d*, to receive the knife.

h is the knife, the edge of which is made with serrations or lance-points, and the knife is attached to the bearings *d* in any convenient manner. It is preferable to make the attachment by pivots passing through holes in the bearings and clamped by a set-screw, so that the angle of the knife may be changed to adapt its edges to the character of the paper to be cut.

The paper from the roll is led beneath the bar *l*, and any desired length can be drawn off, after which the outer end of the paper is lifted, so that the web of paper is brought into contact with the serrations of the knife, so as to penetrate the paper, as shown by dotted lines in Fig. 1, and hence a separation will be effected by a continuation of the pull, and it is preferable to draw the paper mostly toward one edge, so as to commence the separation at one side.

As soon as the paper has been cut off the remaining end of the roll becomes detached from the serrations by the spring of the paper beneath the bar *l*, and the edge of the paper swings forward from beneath the knife, so that it may be grasped without risk of injury to the fingers.

This improvement for tearing the paper may be applied to any device for holding the roll or rolls of paper.

There may be inclined flanges *t* inside of the heads of the case, formed with depressions or sockets *n* for receiving the ends of a bar or rod, *m*, upon which the roll of paper may be sustained. These flanges serve as guides in placing the rod *m* into its sockets.

I claim as my invention—

1. The knife *h*, with a serrated edge and attached to the bearings *d*, in combination with the case or holder for a roll of paper, substantially as set forth.

2. The combination of the tearing-knife *h*, bar *l*, and case for holding the roll of paper, substantially as set forth.

3. The inclined flanges *t* attached to the inner surfaces of the heads of the paper-case, and having sockets *n*, in combination with the roll of paper *c*, and its rod *m*, substantially as set forth.

Signed by me this 30th day of March, A. D. 1877.

ALONZO NEWBURY.

Witnesses:

E. RAYMOND,

D. H. DALEY.