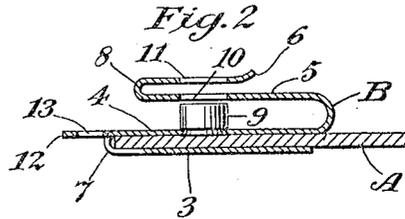
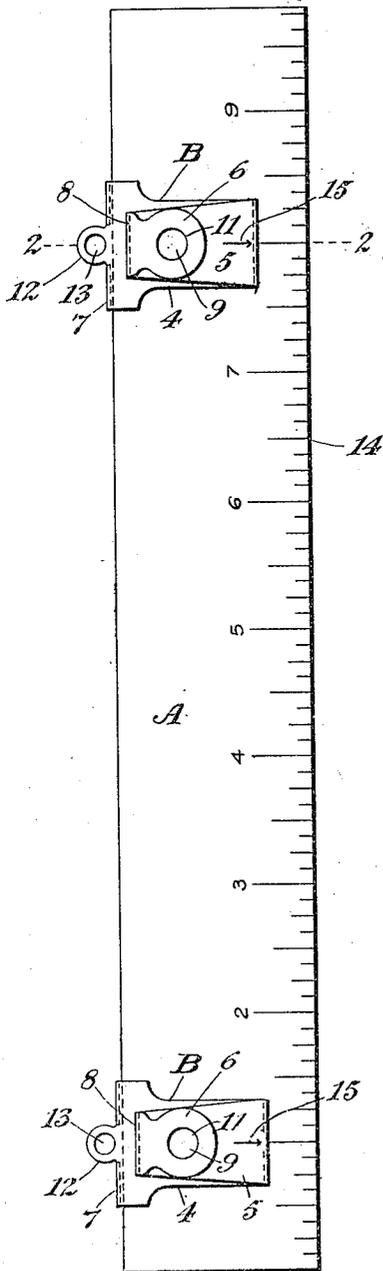


J. L. STENQUIST.
 PAPER PUNCH.
 APPLICATION FILED DEC. 8, 1917.

1,292,124.

Patented Jan. 21, 1919.

Fig. 1



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PAPER-PUNCH.

1,292,124.

Specification of Letters Patent.

Patented Jan. 21, 1919.

Application filed December 8, 1917. Serial No. 206,176.

To all whom it may concern:

Be it known that I, JOHN L. STENQUIST, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Paper-Punches, of which the following is a specification.

This invention relates to apparatus for punching papers to fit loose leaf binders.

One of the objects of my invention is to provide a simple, compact and inexpensive device which may be removably attached to a loose leaf binder and which will not encumber the binder when in place.

A further object is to provide a device which is adjustable to various sizes of binders and by means of which holes may be punched in the paper in proper positions relative to each other and to the edge.

Another object is to provide a device comprising a plurality of punches slidably mounted on a stiff plate, which plate is adapted to be marked with a scale, tables or advertising matter, and to act as a place-mark, or as a shield to prevent tearing of the outer leaf of the note book.

I attain these objects, as well as others not specifically stated, by means of the construction, arrangement and combination of parts hereinafter described and claimed, and shown in the accompanying drawings in which:

Figure 1 is a plan view of the device and,

Fig. 2 is an enlarged section taken on the line 2—2 of Fig. 1.

Referring to the drawings, A indicates a flat narrow plate of cardboard or other suitable stiff material, upon which is slidably mounted a plurality of punches B. The distance apart at which the holes in the paper must be punched to fit the binder may be easily regulated by merely sliding the punches toward or away from each other on the plate.

Each punch is preferably made of a single piece of spring material bent to form a pair of arms 3 and 4, which fit over the rear edge of the plate, and a second pair of arms 5 and 6 adapted to receive the marginal edge of the paper to be punched. The connecting portion 7 of the arms 3 and 4 is preferably flared or broadened to provide a wide bearing surface against the edge of the plate, and the connecting portion 8 of the other pair of arms serves as a stop for the edge of the paper.

9 indicates the male punching die which is carried on the arm 4 and extends through the opening 10 in the arm 5 into registration with the perforation or female die 11 of the arm 6.

A lug 12 having an opening 13 is provided for attaching the punch to the binder. The lug is preferably formed integral with the punch by stamping out a tongue shaped portion and bending it backward in the plane of the arm 4.

The front edge of the plate is preferably provided with a scale or graduated marking 14, and each of the punches with a center line mark 15 whereby the punches may be easily adjusted at given distances apart.

In using the device the punches are secured to the binders by means of the lugs 12 and the paper is then inserted between the arms 5 and 6. Upon depressing the arm 6, the die members 9 and 10 coact to perforate the paper and, when the pressure is released, the arm 5, by springing back to its normal position, will automatically strip the paper from the male die member 9. When the device is in place in the binder, the plate A will lie flat upon the outer leaf of the note book and will serve as a shield to prevent tearing of the leaf.

While the device is intended primarily to be used as a permanent part of the binder, it is so constructed that it can be easily removed therefrom and used as a separate appliance.

Various changes and modifications may be made in the form of the device described and illustrated herein without departing from the scope of my invention.

What I claim is:

1. A paper punch comprising a single piece of spring metal bent to form two substantially parallel pairs of spaced arms disposed one above the other, the upper pair being perforated, and a male die member mounted on the uppermost arm of the lower pair and registering with perforations in the arms of the upper pair.

2. A punch comprising a single piece of spring metal bent to form two substantially parallel pairs of spaced arms disposed one above the other, the upper pair being perforated, the connecting portion of the lower pair being widened, and a die member mounted on the uppermost arm of the lower pair and registering with perforations in the upper pair.

3. Apparatus for perforating loose leaf sheets comprising a flat plate and a plurality of punches, each punch having a pair of arms for engaging over an edge of the plate and a second pair of arms for receiving an edge of the sheet. 10
4. Apparatus for perforating loose leaf sheets comprising a flat plate and a plurality of punches, each punch having a pair of arms for engaging over an edge of the plate, a second pair of arms for receiving an edge of the sheet, and a lug for attaching it to a binder.

JOHN L. STENQUIST.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."