

No. 824,256.

PATENTED JUNE 26, 1906.

W. MAYER.
ATTACHMENT FOR PLATEN PRINTING PRESSES.
APPLICATION FILED JULY 28, 1905.

Fig. 1.

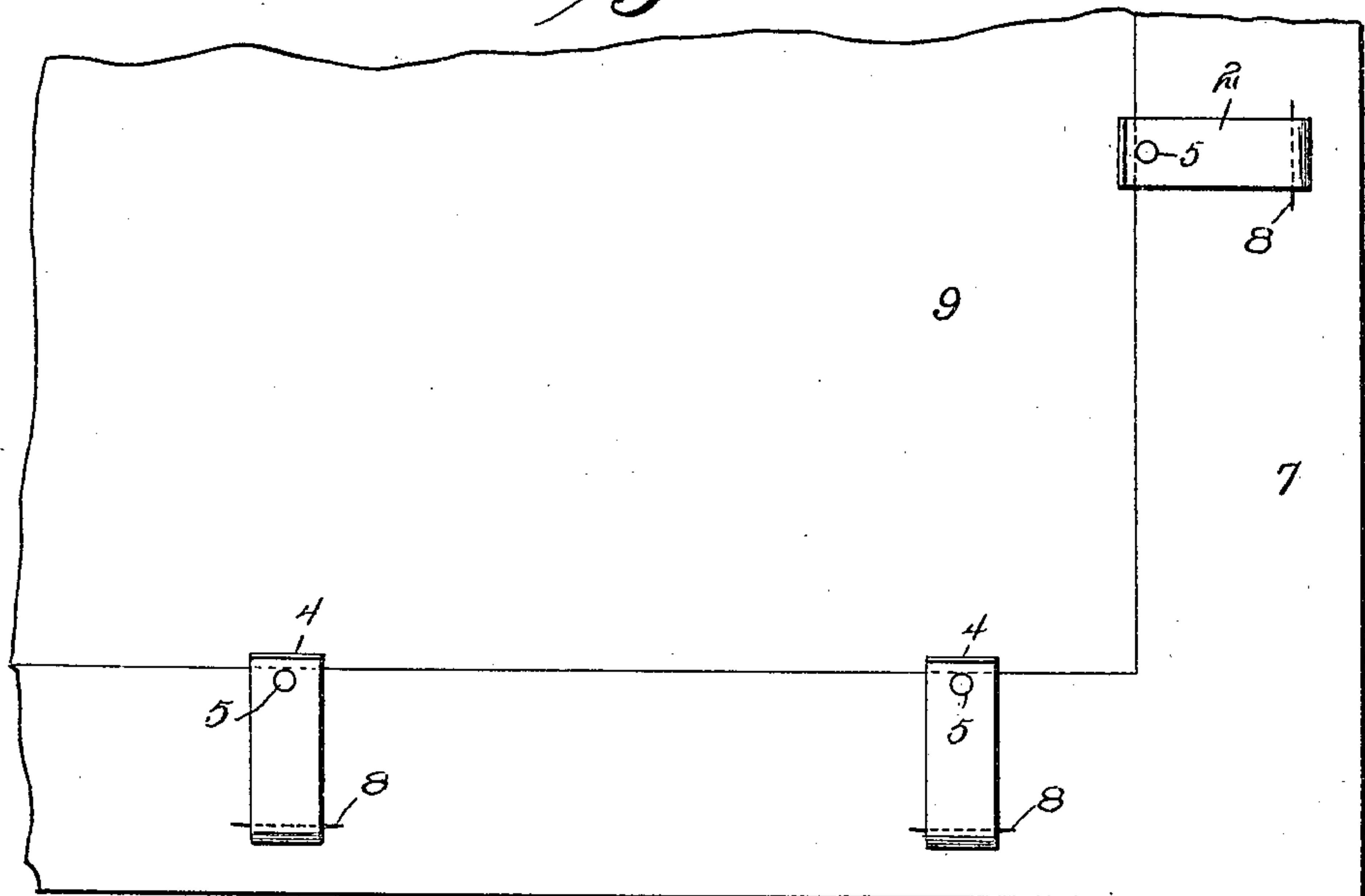


Fig. 2.



Fig. 3.

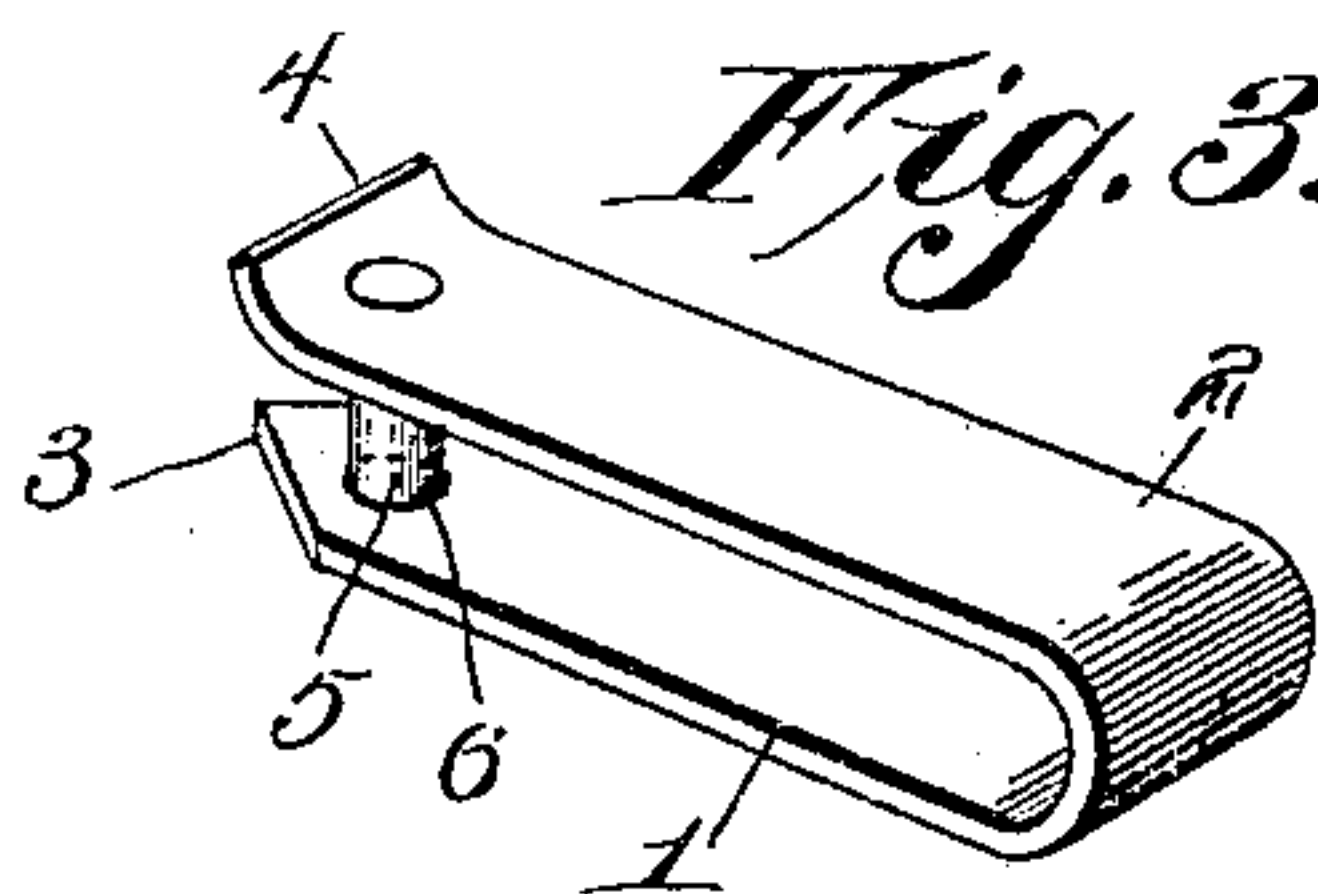


Fig. 4.

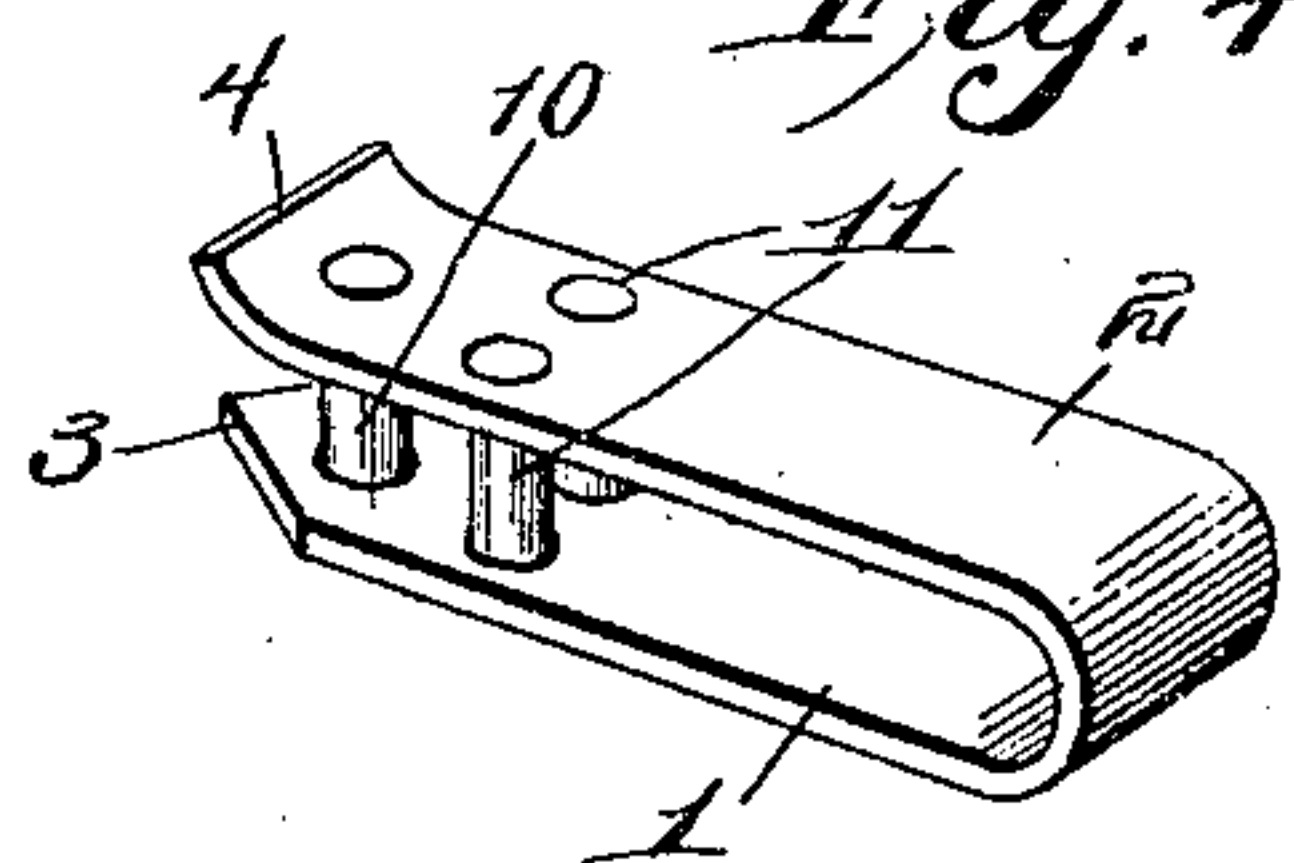
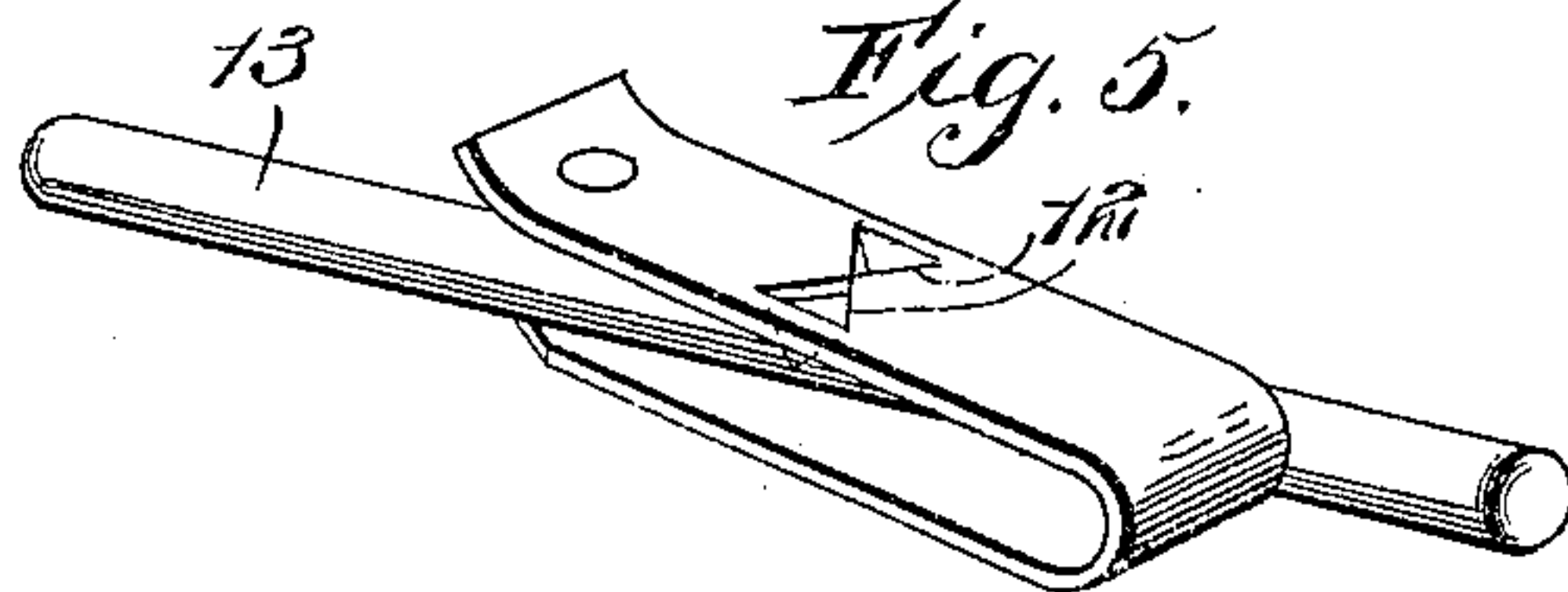


Fig. 5.



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ATTACHMENT FOR PLATEN PRINTING-PRESSES.

No. 824,256.

Specification of Letters Patent.

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Application filed July 28, 1905. Serial No. 271,629.

To all whom it may concern:

Be it known that I, WALTER MAYER, a citizen of the United States, residing at Madison, in the county of Dane and State of Wisconsin, have invented certain new and useful Improvements in Attachments for Platen Printing-Presses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to attachments for platen printing-presses, and is more particularly a feed-guide for use upon tympan-sheets in properly locating the sheets to be printed.

The object of the invention is to provide a guide of this character which is of very simple and inexpensive construction, and which can be readily adjusted to proper position upon the tympan-sheet, and which can be quickly and securely locked to said sheet without the use of paste, rivets, screws, nuts, &c.

The invention consists of a thin strip of spring metal bent to form a clip having its two members parallel, one of said parts being provided with a lug adapted to normally extend into an aperture in the other portion of the clip.

The invention also consists of other novel features of construction and combination of parts which will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings I have shown the preferred form of my invention.

In said drawings, Figure 1 is a plan view of a portion of the tympan-sheet having my improved guides secured thereto and showing a sheet to be printed in position thereagainst. Fig. 2 is a longitudinal section through one of the guides and the adjoining portion of the tympan-sheet. Fig. 3 is an enlarged perspective view of a guide. Fig. 4 is a detail view of a modified form of guide, and Fig. 5 is a detail view of another modified form of guide.

Referring to the figures by numerals of reference, 1 and 2 are opposite members of a spring-clip which is formed in a single length of light spring metal, and both of said members are preferably parallel, the lower part being pointed at its free end, as shown at 3, while the upper member is preferably curved upward, as at 4, and provided with a cylindrical

lug 5, which normally fits within an aperture 6 in the lower member 1.

In applying the guide to a tympan-sheet the upper layer 7 of said sheet is slit at a point adjacent to where the edge of the sheet to be printed should come, and the pointed end 3 of the guide is then inserted through the slit which has been shown at 8 in Fig. 1. The lug 5 will of course rest with a gentle pressure upon the top of the tympan-sheet. Any desired number of these guides may be secured to the tympan-sheet in the manner herein described, and they can then be adjusted longitudinally by sliding the lower members 1 through the slits 8 until lugs 5 arrive in proper position. The sheet 9 to be printed is then placed against the lugs, and if in proper position the upper members 2 of the guides are pressed gently downward, so as to force the lugs 5 through the tympan-sheet and into their respective apertures 6, where they will remain until removed manually. It will therefore be seen that the guides become securely locked to the tympan-sheet, and the sheets to be printed can be quickly placed in position against the lugs. The upwardly-turned ends 4 of the members 2 serve to guide the sheets 9 downward against the lugs 5 as said sheets are placed in position for printing.

By providing guides of the character herein described it is unnecessary to utilize paste, screws, or other like means which are liable to become detached, and instead an effective lock is provided, the rigidity of which is limited only by the strength of the tympan sheet or sheets employed. If desired, a "make-ready" sheet can be placed against the guides underneath the top tympan-sheet as readily as sheets can be fed against them upon the top sheet 7. The guides can be secured in place very close to the bottom of the platen.

By referring to Fig. 4 it will be noticed that I can, if desired, form a guide with a series of lugs. The guide shown in this figure employs not only a lug 10 similar to the lug 5, but also two additional lugs 11, which are seated normally within apertures in the lower or base portion of the guide, so as to assist the lug 10 in preventing the guide from swinging out of adjusted position.

By referring to Fig. 5 it will be seen that the guide can be rendered adjustable by forming intersecting slits 12 in one of its

members, said slitted portion being pressed downward, so as to bear against and hold a stop-pin 13. This pin is adapted to be placed diagonally between the members of the guide and can be adjusted backward or forward to form a stop for the paper. It will of course be held in adjusted position by the downwardly-struck portion of the guide.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A guide comprising a spring-clip consisting of integral overlapping members spaced apart throughout their lengths, one of said members having an aperture adjacent its free end, and a lug upon the other member normally seated within the aperture.

2. A guide consisting of a spring-clip formed of two substantially parallel portions, one of said portions having a reduced free end and an aperture adjacent said end and the other portion having a curved end, and a lug adjacent said curved end and normally seated within the aperture.

3. The combination with a tympan-sheet having a slit therein; of a guide within the slit and consisting of connected spring por-

tions extending upon opposite faces of the sheet, one of said portions being provided with an aperture therein, and a lug upon the other portion projecting through the sheet and seated within the aperture.

4. The combination with a tympan-sheet; of a guide thereon comprising oppositely-disposed connected spring members upon opposite sides of the sheet, one of said members having an aperture therein, and a lug upon the other member registering with the aperture and engaging the tympan-sheet.

5. A guide of the character described comprising integral overlapping spring portions, one of said portions having an aperture therein, a lug upon the other portion normally seated within the aperture, said last-mentioned portion having retaining devices integral therewith, and an adjustable stop-pin extending through the guide and held by the retaining portions.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER MAYER.

Witnesses:

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