(No Model.)

C. L. STORRS.

PRINTER'S GAGE.

No. 397,876. Patented Feb. 12, 1889.

Fig. 1.

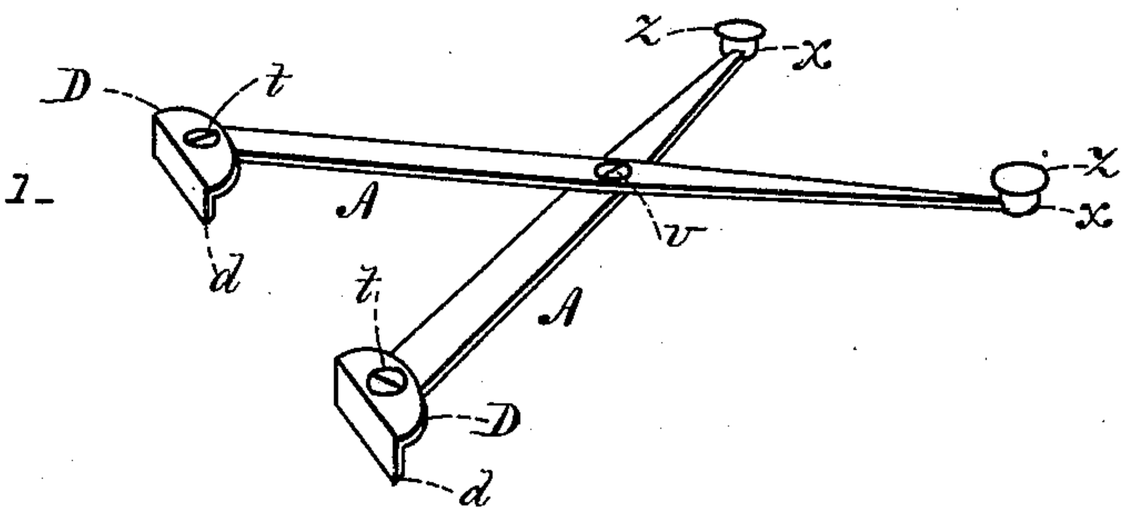


Fig. 2.

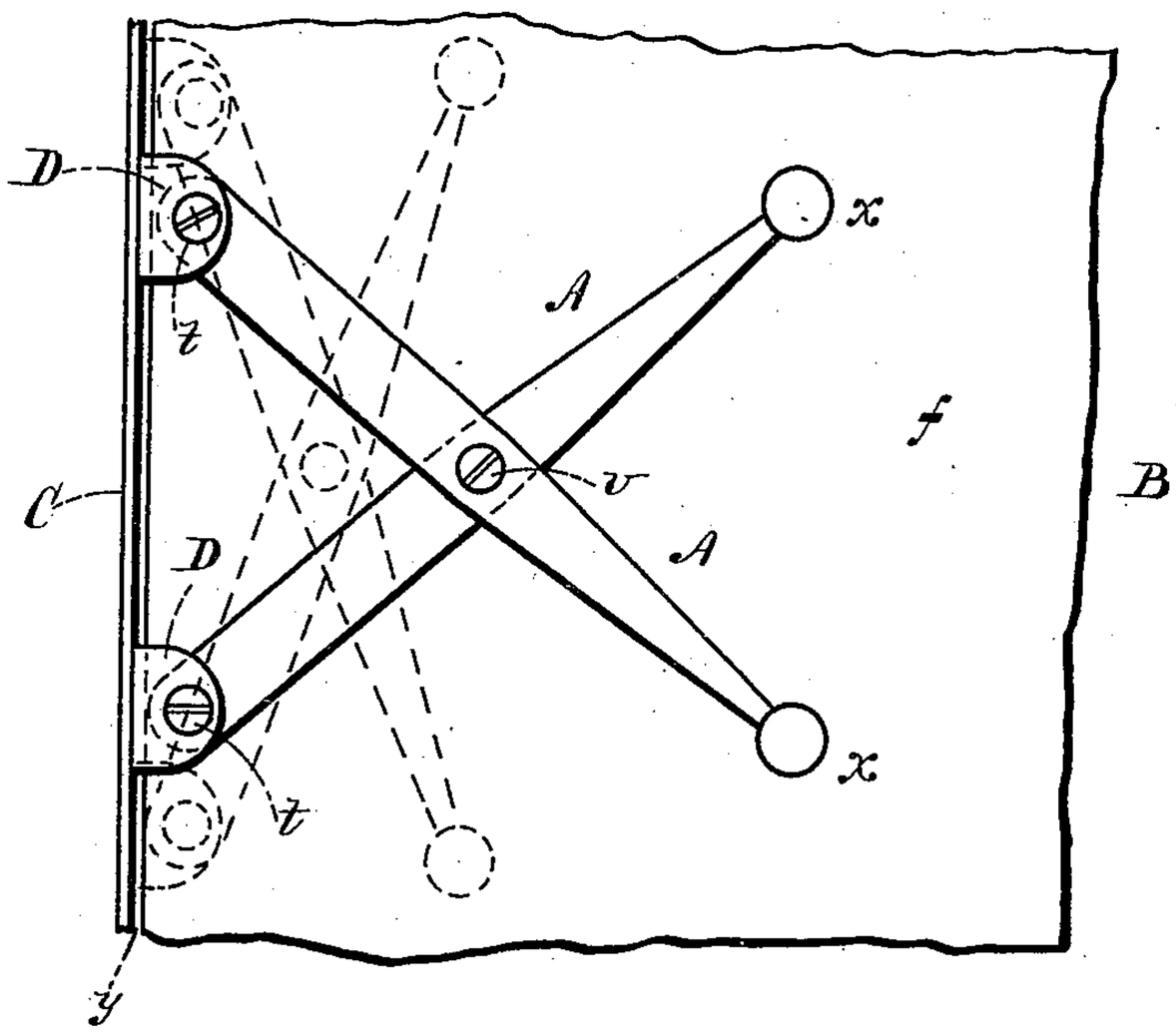
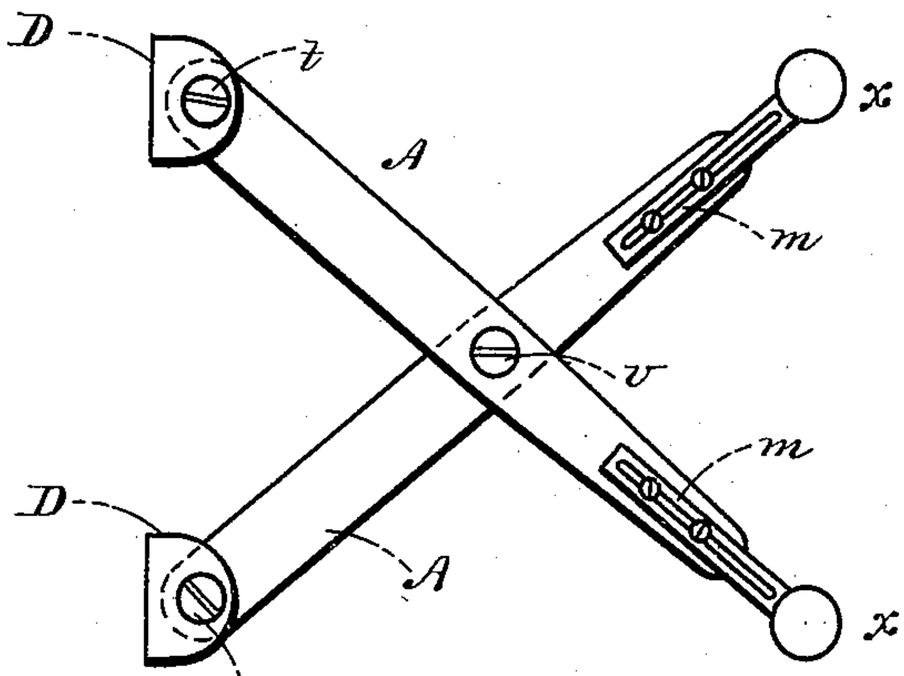


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES L. STORRS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND FRANK E. FISK, OF SAME PLACE.

PRINTER'S GAGE.

SPECIFICATION forming part of Letters Patent No. 397,876, dated February 12, 1889.

Application filed May 7, 1888. Serial No. 273,030. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. STORRS, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Printers' Gages, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an isometrical perspective view of my improved gage; Fig. 2, a top plan view showing the gage in position for use on the platen of a printing-press, and Fig. 3 a top plan view of the gage provided with extensible arms.

Like letters and figures of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of gages which are employed by printers for gaging the sheets of paper as they are placed on the platen or delivered to the press, and causing them to register properly with the "form" or type; and it consists in certain novel features, as hereinafter fully set forth and claimed, the object being to produce a more effective and otherwise desirable article of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A A represent the arms of the gage, B the platen of the press, and C the ordinary hoop or binder, which encircles the platen and keeps the tympan or sheet *f* in proper position thereon.

The arms A are equal in length, and preferably composed of flat tapering strips of sheet metal, which are centrally pivoted to each other, in the present instance by means of a screw, *v*, but may be pivoted by any equivalent fixed pivot that will enable them to perform their functions properly. Pivoted to the larger end of each of said arms by a screw, *t*, there is a lug, D, having a downwardly-projecting flange, *d*, and projecting upward from the outer or free end of each arm there is a stud or stop, *x*, provided at its upper end with a laterally-projecting annular flange, *z*; but instead of the screw *t* any other suitable means may be employed for pivoting the arms to the lugs. The arms are made extensible by means of slots and screws *m*, as shown in Fig. 3. This feature may, however, be omitted, if desired.

In the use of my improvement, an "impression" having been taken on the tympan-sheet in the usual manner, the flanges *d* of the lugs D are forced into the space *y* between the hoop C and the edge of the platen B, and moved laterally until the stops *x* are brought into the proper position—as, for instance, that shown by the dotted lines in Fig. 2—after which the sheet to be printed is placed on the platen, pushed down against the stops *x*, and printed, in a manner that will be readily understood by all conversant with such matters without a more explicit description. The stops are made of greater diameter than the width of the arms at their outer ends, to prevent the sheet from coming into contact with the outer ends of the arms when the arms are widely separated, as shown by the dotted lines in Fig. 2. The flanges *z* serve to catch the edge of the sheet and prevent it from slipping upward over the stops *x*.

Instead of the stops *x*, the outer ends of the arms may be either thickened or turned upward to form stops, if desired. The flanges *z* may be omitted and other means for securing the gage to the platen employed, if preferred, without entirely departing from the spirit of my invention.

The gage may be used on cylinder-presses by attaching it thereto in a position to gage or guide the sheets in their delivery from the feed-board.

Having thus explained my invention, what I claim is—

1. A feed-gage for a printing-press, composed of two arms centrally pivoted to each other by a fixed pivot and provided with attaching devices for securing them to the press.

2. A feed-gage for a printing-press, composed of two arms centrally pivoted to each other by a fixed pivot and provided with pivoted flanged lugs at their inner ends for attaching them to the press.

CHAS. L. STORRS.

Witnesses:
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E. M. SPINNEY.