

(No Model.)

H. S. FOSTER.
PRINTER'S CHASE.

No. 506,992.

Patented Oct. 17, 1893.

Fig. 1.

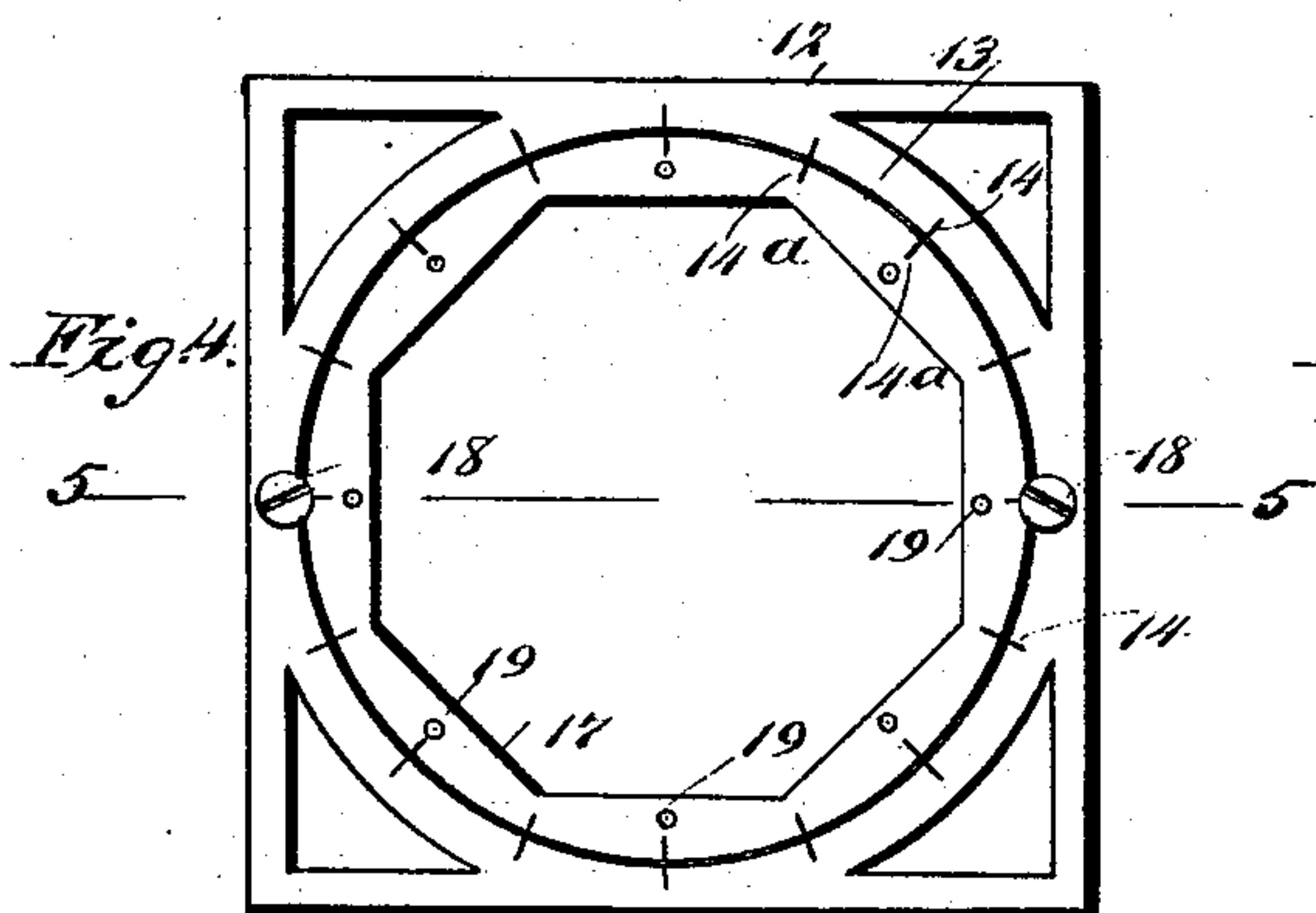
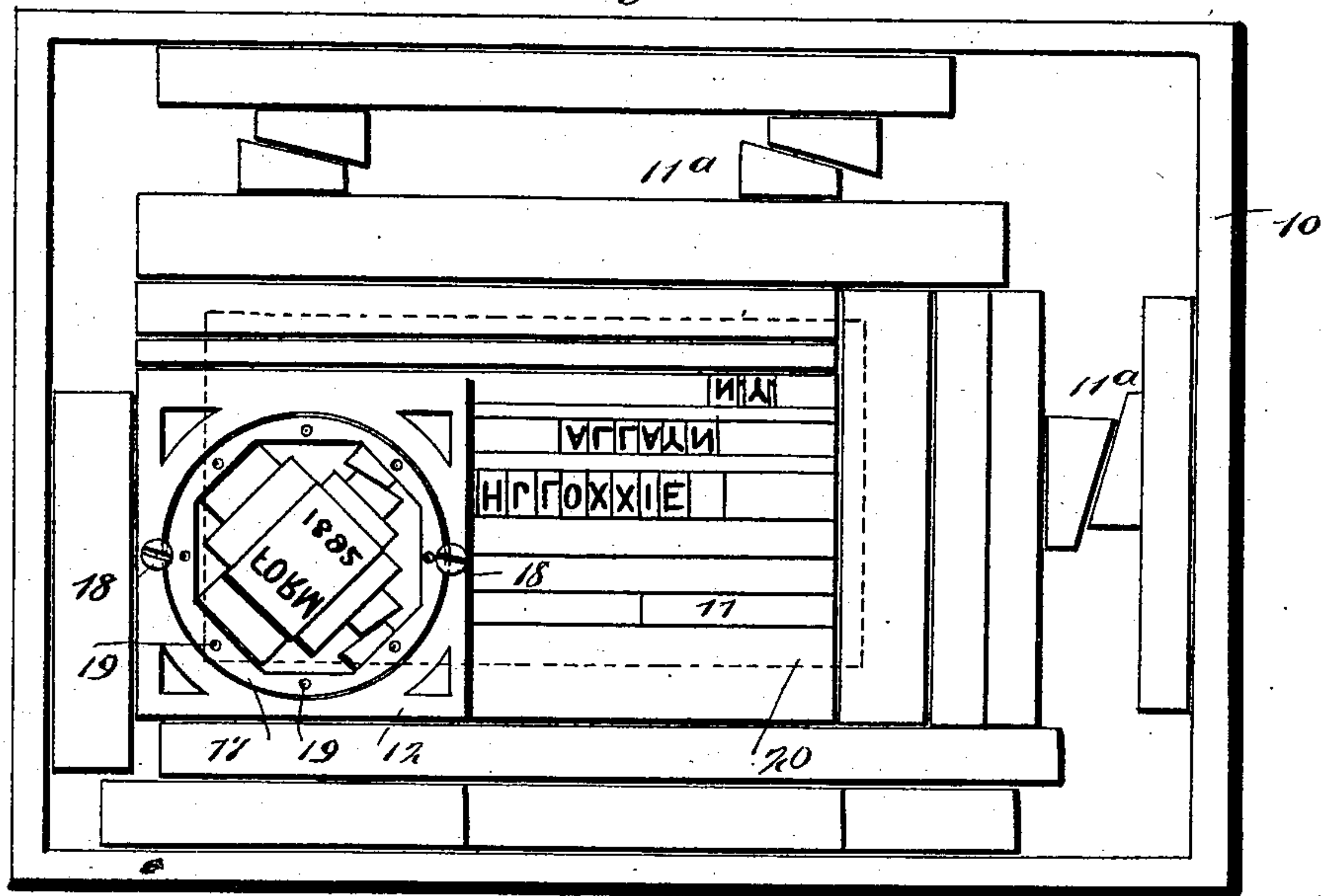


Fig. 5.

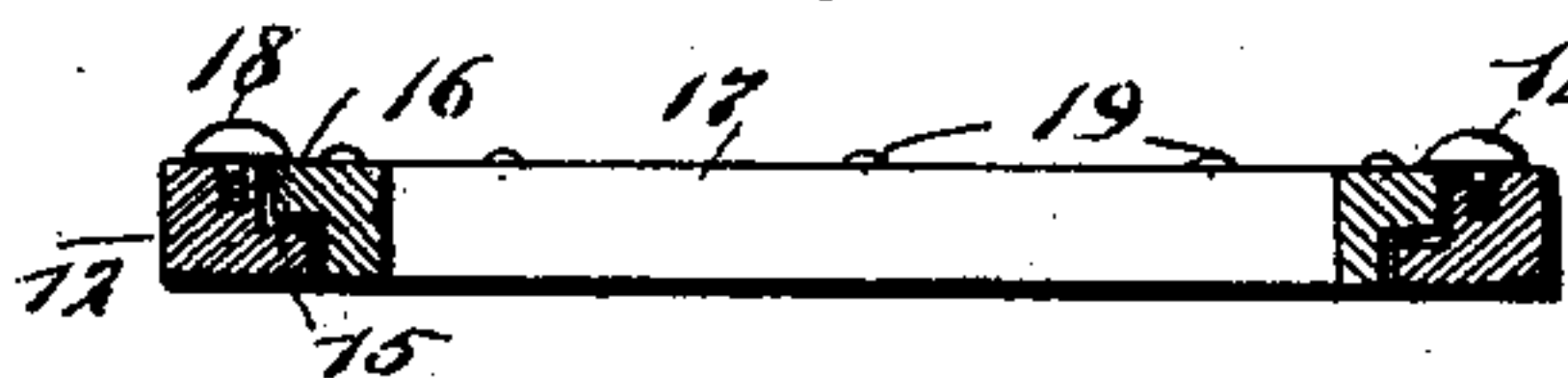
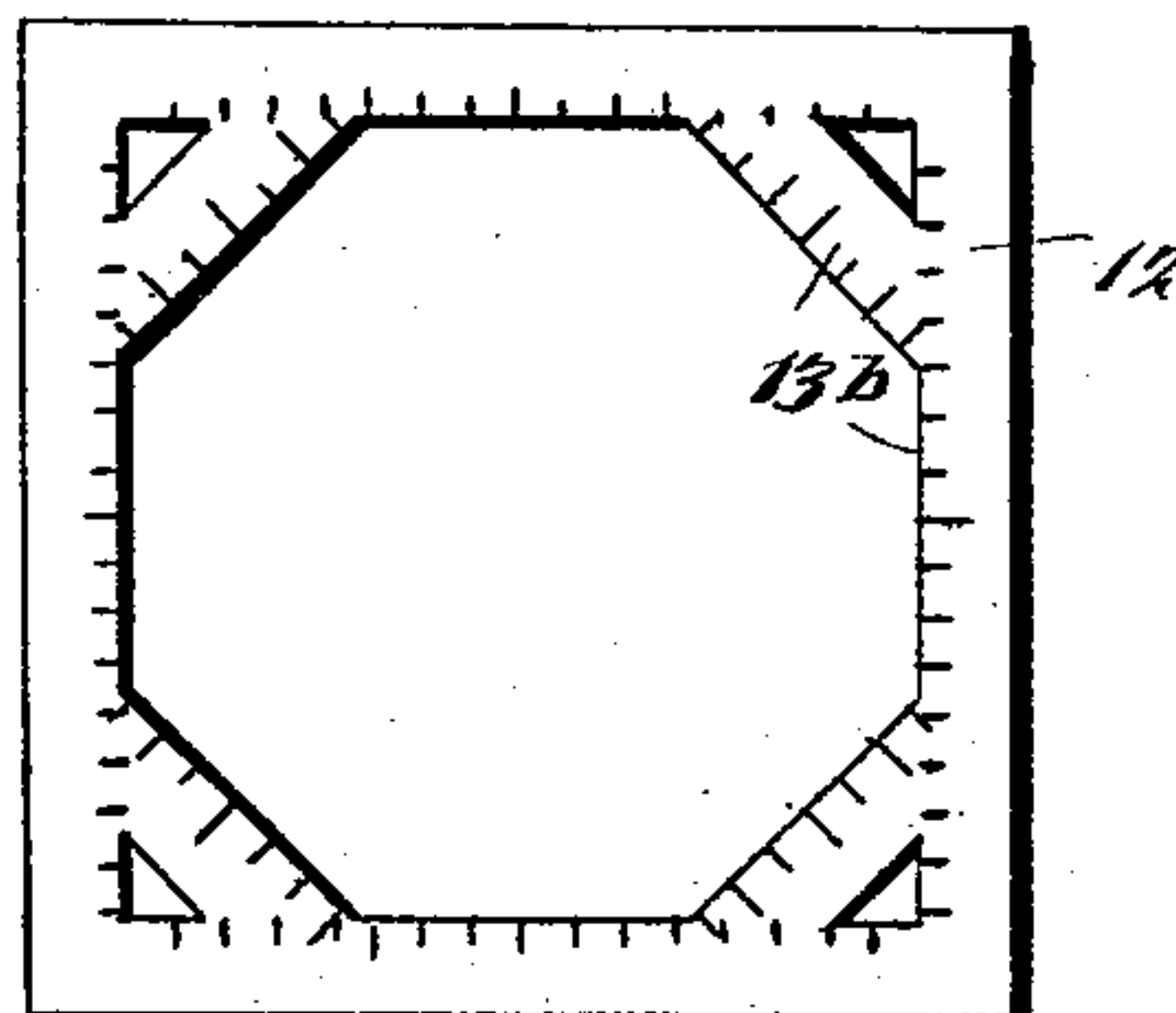
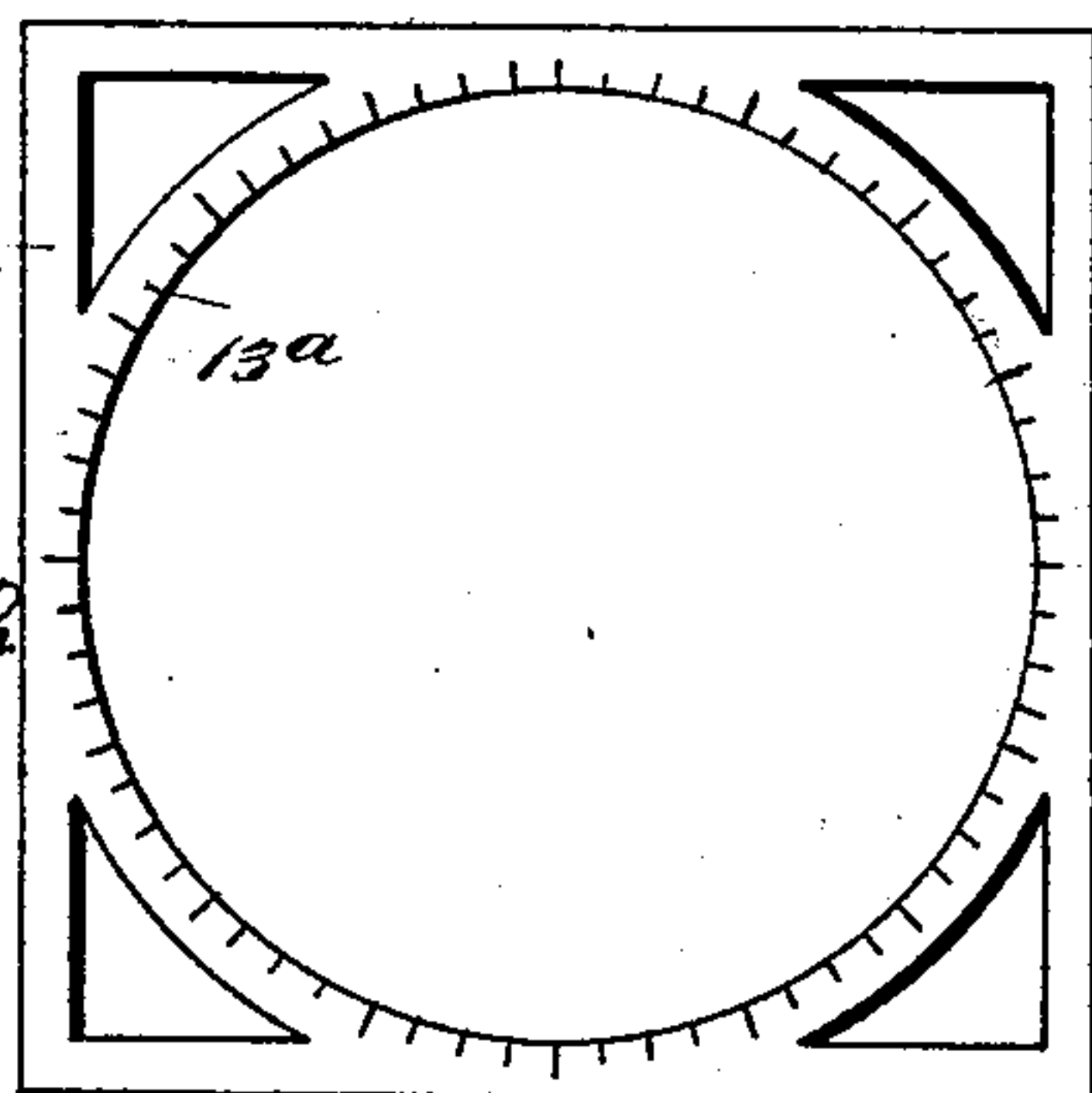


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARRY S. FOSTER, OF ALBANY, NEW YORK.

PRINTER'S CHASE.

SPECIFICATION forming part of Letters Patent No. 506,992, dated October 17, 1893.

Application filed January 21, 1893. Serial No. 459,091. (No model.)

To all whom it may concern:

Be it known that I, HARRY S. FOSTER, of Albany, in the county of Albany and State of New York, have invented a new and Improved Printer's Chase, of which the following is a full, clear, and exact description.

My invention relates to improvements in printers' chases; and the object of my invention is to produce an adjustable chase adapted to be locked up in a common straight form, and to enable one form to be set at an angle while another form is set straight, so that the two forms may be simultaneously printed. In this way printed matter may be conveniently produced at an angle such as on the corners of an envelope or upon a card, or in an advertisement.

It has been customary in printing angular forms to either lock up the form at an angle or else feed the paper at an angle; either of these methods is objectionable, and my invention provides a supplemental and adjustable form which may be locked in a straight form, so that a straight feed may be used and a portion of the matter printed at any desired angle to the straight form. This invention, as will be hereinafter described, also provides for conveniently printing in colors.

To these ends my invention consists in certain features of construction and combinations of parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of a chase provided with a straight form and with my improved chase locked into the form so as to produce a supplemental form at an angle to the straight form. Fig. 2 is a plan view of a slightly modified form of my improved chase in which the central movable portion of the chase may be dispensed with. Fig. 3 is a view of the chase made in another shape. Fig. 4 is a detail plan view of the chase as preferably constructed; and Fig. 5 is a cross section on the line 5—5 in Fig. 4.

The chase 10 is of the common kind and, as shown in Fig. 1, it is provided with a form 11 which is locked up by the usual furniture 11^a, and in one corner of the form 11 is arranged

an angular form adapted to print at an angle to the straight form, and the angular form is locked up in my improved chase, which chase is provided with an outer frame 12 having an inner circular ring 13 upon which is produced a graduated scale 14. The ring 13 of the frame 12 has a shoulder 15 on its inner side, as shown clearly in Fig. 5, and upon this shoulder rests and turns the shoulder 16 of the chase proper 17, which is also provided with gage marks 14^a adapted to register with the marks of the gage 14, and this arrangement enables the inner chase to be nicely regulated and it also enables another chase to be inserted in the correct place when a different color is to be printed, as described below.

The chase 17 is preferably provided with flattened or faceted inner sides, as a form may be much more readily and securely locked in it when made in this manner than if its inner surface were circular.

The chase 17 is held in place in the frame 12 by screws 18 which extend into the frame 12, and the heads of which overlap the chase, but other suitable fastening devices such as buttons may, if desired, be substituted for the screws. The chase is also provided on its face with small projections or finger pieces against which a finger may be pressed so as to easily turn the chase when necessary.

In using my improved chase it is locked up in a form, as shown in Fig. 1, and the form in the supplemental chase 17 is placed at the desired angle and locked up in the usual way, the chase 17 being then fastened in the frame 12 and the latter being secured in the main chase, as described. It will be seen then that when the form is used with a straight feed, the main form 11 will print straight matter, while the form in the chase 17 will print at an angle thereto. This is illustrated clearly in Fig. 1, where the dotted lines 20 show the outline of an envelope, and it will be seen that when the impression is made the address on the envelope will be printed straight in the usual way, while the matter in the supplemental form will be printed on one corner of the envelope and at an angle to the address.

In color printing, a chase 17 having a form with certain matter in a certain color locked therein, may be used as described above, and after one impression has been made, the chase

may be removed and another one substituted. The gage marks on the chase and on the rim 13 of the frame 12 enable the second chase to be inserted and adjusted very accurately.

5 The frame 12 may be used as a chase without departing from the principle of the invention, and the rim 13^a as shown in Fig. 2, may be made circular and provided with gage marks, in which case the form may be locked
10 up within the rim and adjusted by the marks; but where the frame is used without any chase, it is desirable that its inner surface be faceted, as shown at 13^b in Fig. 3.

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

1. The combination, with the frame 12, having a continuous shoulder on its inner side, of the detachable chase having a peripheral
20 shoulder adapted to fit and rest upon the shoulder of said frame, as shown and described.

2. A printer's chase, comprising a frame having an inner circular rim and a revoluble
25 chase held to turn in said rim, substantially as described.

3. A printer's chase, comprising a frame having an inner circular rim with gage marks

thereon, and a revoluble chase held within the rim and also provided with gage marks, 30 substantially as described.

4. As an improved article of manufacture, a printer's chase, comprising a frame having an inner circular rim, a detachable and revoluble chase held within the rim, and fasten- 35 ing devices to hold the chase to the rim, substantially as described.

5. The combination with the frame and its inner rim, of the revoluble chase held to turn within the rim, the finger pieces on the chase, 40 and the fastening devices to secure it in position, substantially as described.

6. The combination with the frame having an inner rim with a shoulder thereon, of the chase held to turn within the rim and having 45 a shoulder to match the shoulder of the rim, and fastening devices to fix the position of the chase, substantially as described.

7. The combination, with the frame having an inner circular rim, of the revoluble chase 50 held to turn in the rim and provided with faceted innersides, substantially as described.

HARRY S. FOSTER.

Witnesses:

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