

(No Model.)

E. MEIER.
ATTACHMENT FOR PRINTING PRESSES.

No. 485,704.

Patented Nov. 8, 1892.

Fig. 1.

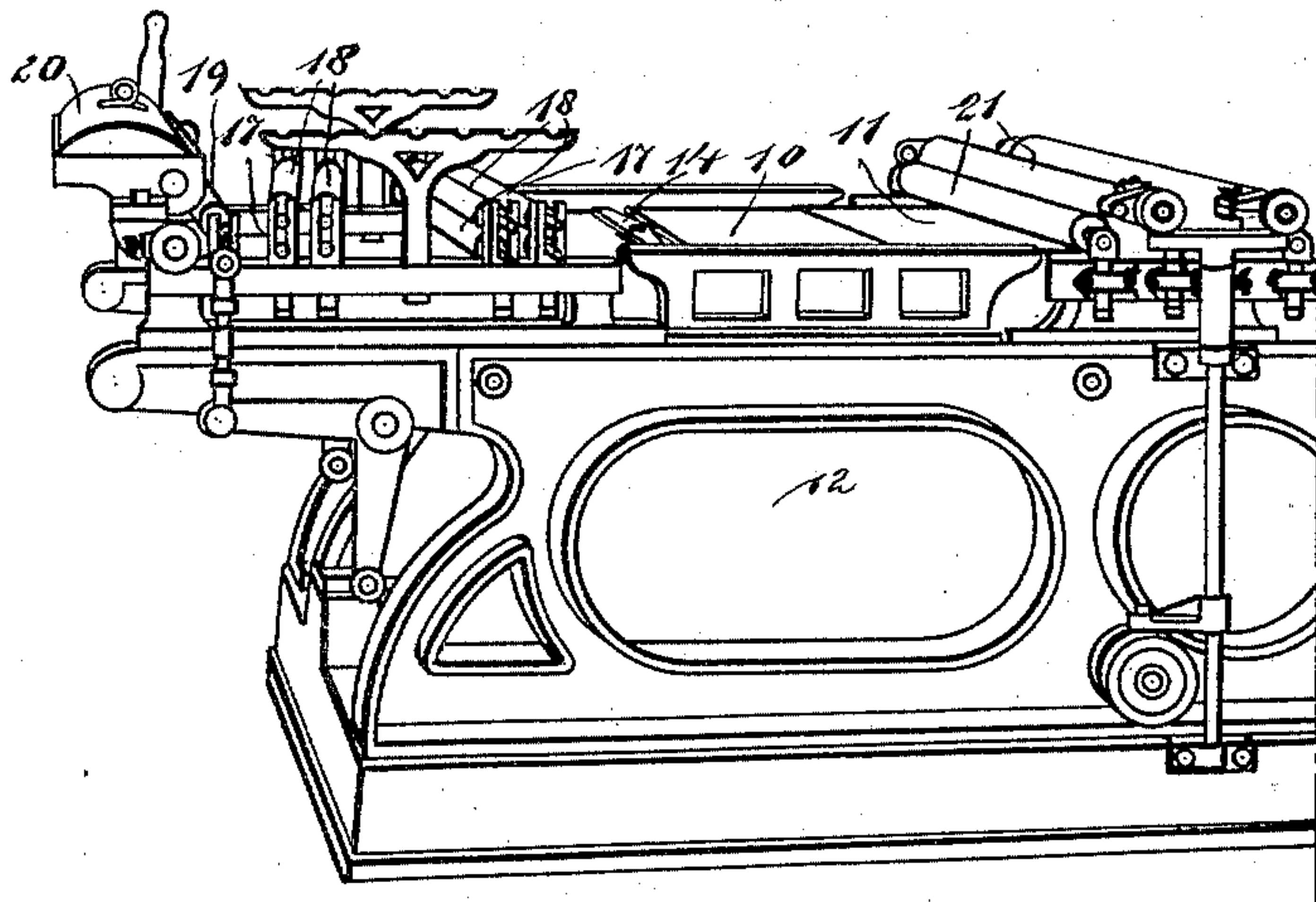


Fig. 2.

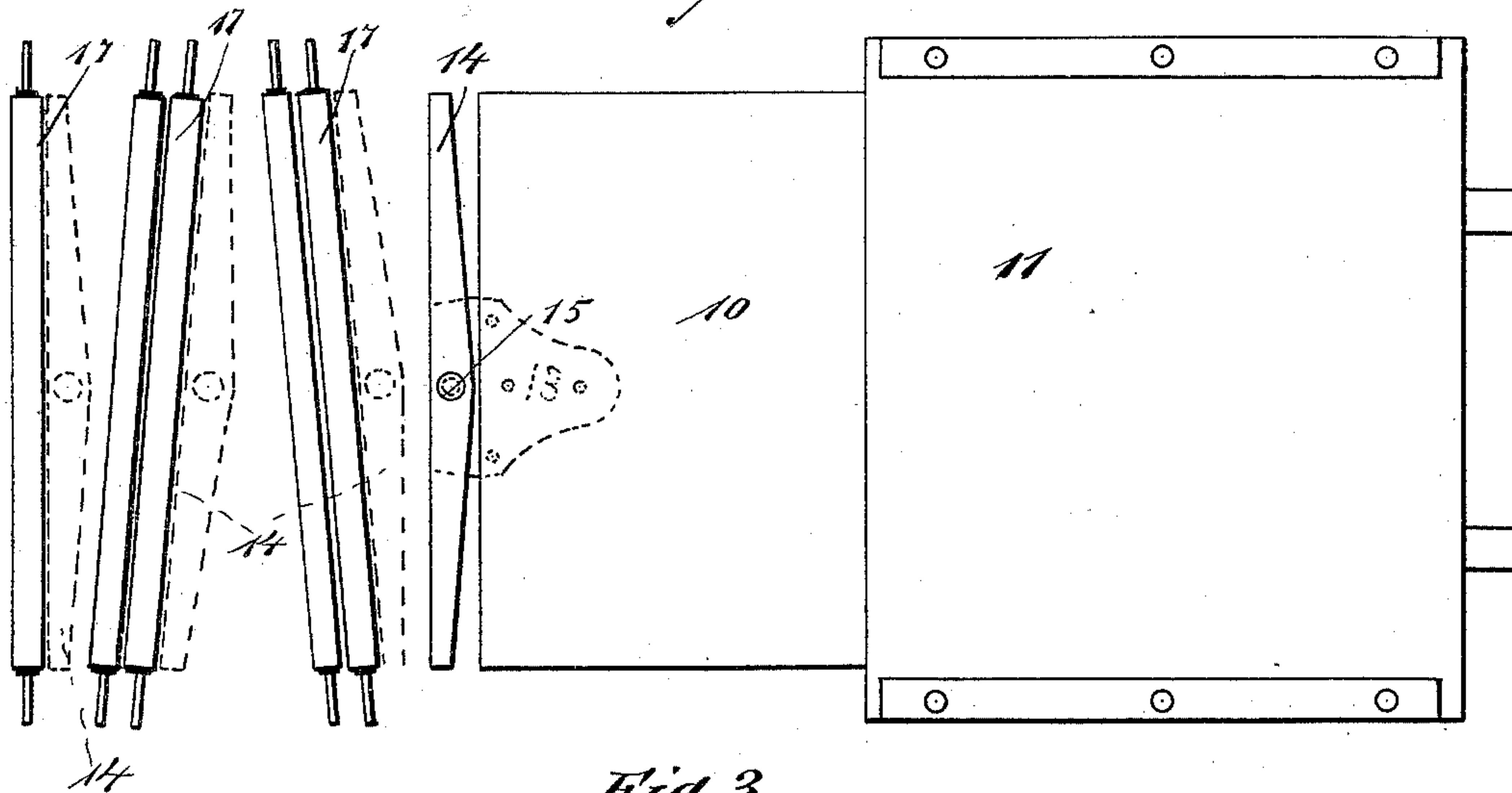


Fig. 3.

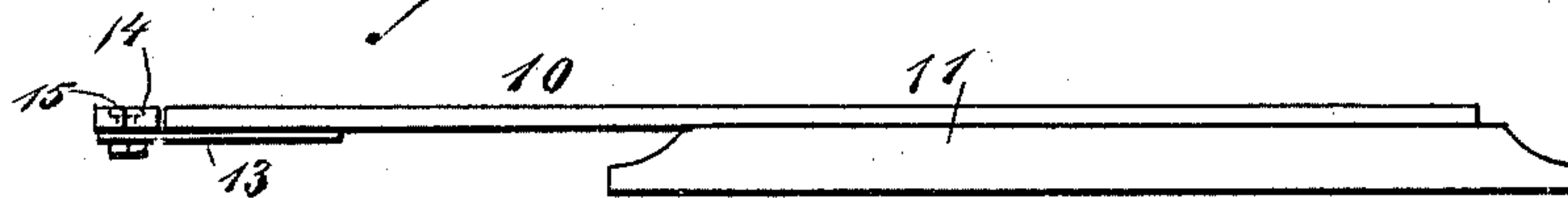
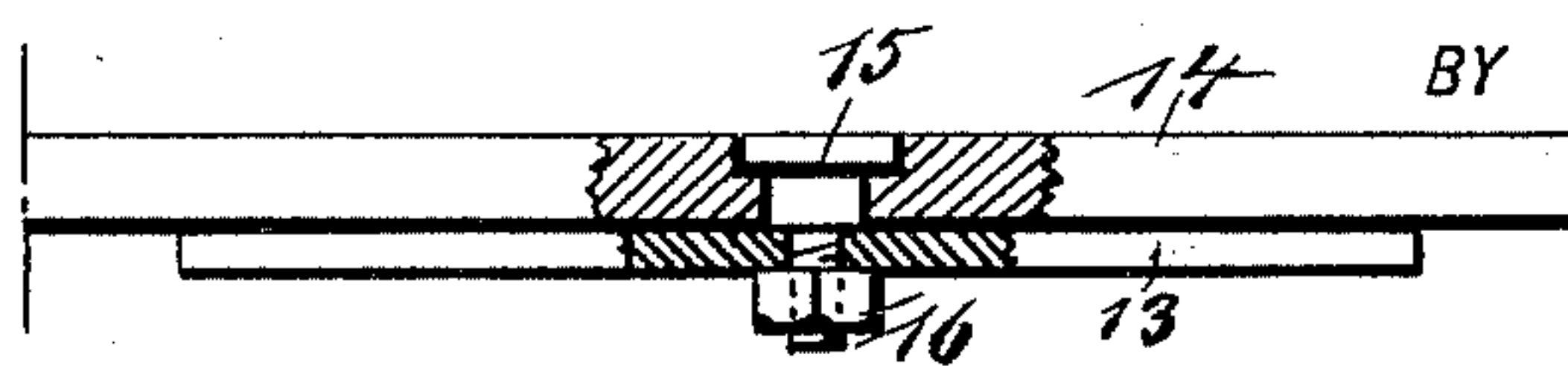


Fig. 4.



WITNESSES:

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ATTACHMENT FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 485,704, dated November 8, 1892.

Application filed February 23, 1892. Serial No. 422,459. (No model.)

To all whom it may concern:

Be it known that I, EMIL MEIER, of the city, county, and State of New York, have invented certain new and Improved Attachments for
5 Printing-Presses, of which the following is a full, clear, and exact description.

My invention relates to attachments for printing-presses, and more especially to that variety of presses having a movable type-bed
10 and inking-table and in which the inking-table moves beneath angular distribution-rollers which spread the ink upon the table. In machines of this class the distribution-rollers are placed at an angle in the path of the ink-
15 ing-table, and as these rollers are made usually of some comparatively-soft substance the table by coming in contact with one end of the rollers at a time chips and wears away the rollers very quickly.

20 The object of my invention is to obviate this difficulty by providing an adjustable bar which moves in unison with the table and which first comes in contact with the distribution-rollers, the bar being arranged so that it
25 will at once conform to the angle of the rollers, so as to bear against them throughout their length, and the shock of the moving table will thus come bodily upon the rollers, so that they will not be chipped.

30 To this end my invention consists in the combination, with an inking-table of the character described, of a bar pivoted on one end of the table and adapted to contact with the distribution-rollers.

35 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.

40 Figure 1 is a broken perspective view of a printing-press provided with my improved attachment. Fig. 2 is a detail plan view showing the relation of the pivoted bar to the inking-table and the distribution-rollers. Fig. 3
45 is a detail side elevation of the inking-table, type-bed, and adjustable bar; and Fig. 4 is an enlarged front elevation, partly in section, of the adjustable bar and its support.

50 In the drawings, 10 is the inking-table of the usual kind, which is connected with the type-bed 11, and these reciprocate in the usual manner in the press 12, which press is of the common kind having the reciprocating type-

bed and inking-table, as described, and the construction of the press will not be described, as it forms no part of my invention. On the
55 free end of the inking-table 10 and on the under side is secured a lug or support 13, which projects outward from the edge of the table, and on this is centrally pivoted a bar 14, which is of the same thickness as the table, 60
so that its upper side will be flush with the table-top, and the bar is pivoted on a bolt 15, the head of which is let into the bar, so as to be flush therewith, and the bolt has a nut 16
at its lower end to prevent its displacement. 65 The inner edges of the bar 14—that is, the edges next the table—are inclined or tapered from the middle toward the ends, so that the bar may be pivoted close to the table and still
70 have movement enough to conform to the angle of the distribution-rollers 17. These rollers are arranged at opposite angles and in pairs in the press 12 in the usual manner, the rollers being placed in the path of the table
10, so as to press upon its top surface. Above 75 the rollers are the usual riders 18, which prevent them from jumping, and the ink is supplied to the table by the fountain-roller 19 and the usual ink-fountain 20, arranged at the
80 extreme end of the press. Above the type-bed are the usual inking-rollers 21; but these and the parts above described, with the exception of the adjustable bars, form no part
85 of my invention, the several rollers being shown in order to clearly illustrate the application of the bar.

By reference to Fig. 2 it will be seen that when the table 10 advances beneath the distribution-rollers 17, the bar as it touches the
90 rollers will quickly swing horizontally on its pivot, so that it will bear against the rollers throughout its entire length, and this prevents the table from striking the rollers at an angle and thus chipping them.

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

1. In a printing-press having a reciprocating inking-table and distribution-rollers to contact with the table, the combination, with
100 the table, of a bar pivoted at one edge of the table, so as to contact with the rollers, substantially as shown and described.

2. The combination, with the distribution-

rollers and the reciprocating table, of a bar pivoted at the edge of the table next the rollers, the said bar having its back edge inclined from the middle toward the ends, substantially as described.

5 3. The combination, with the distribution-rollers and the reciprocating inking-table, of a support secured to the under side of the ta-

ble and projecting from its free edge and a bar pivoted to swing horizontally on the support, substantially as described.

EMIL MEIER.

Witnesses:

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