

No. 667,672.

Patented Feb. 12, 1901.

A. A. BRYAN.
DEVICE FOR PRINTING TICKETS.

(Application filed Oct. 9, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

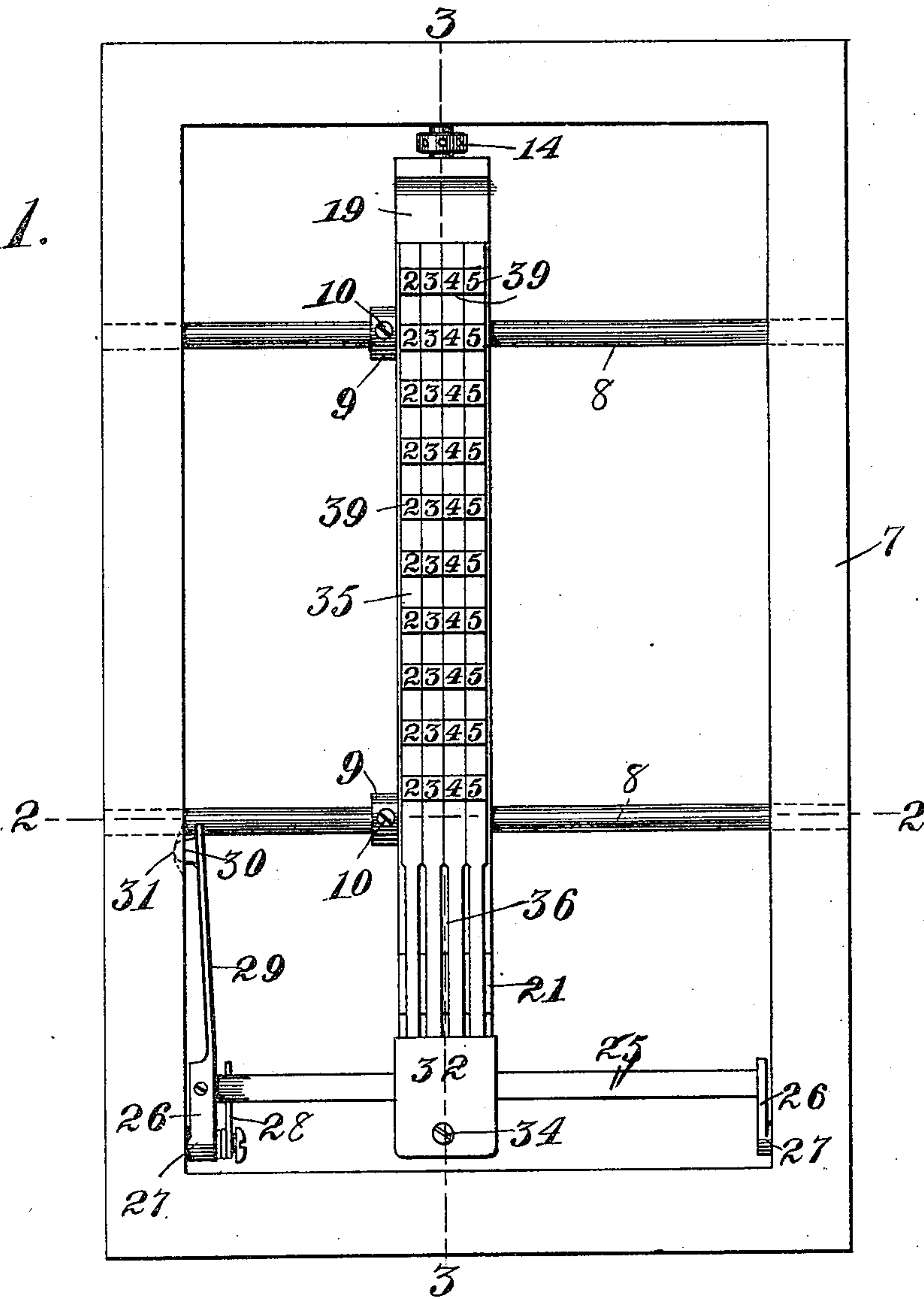
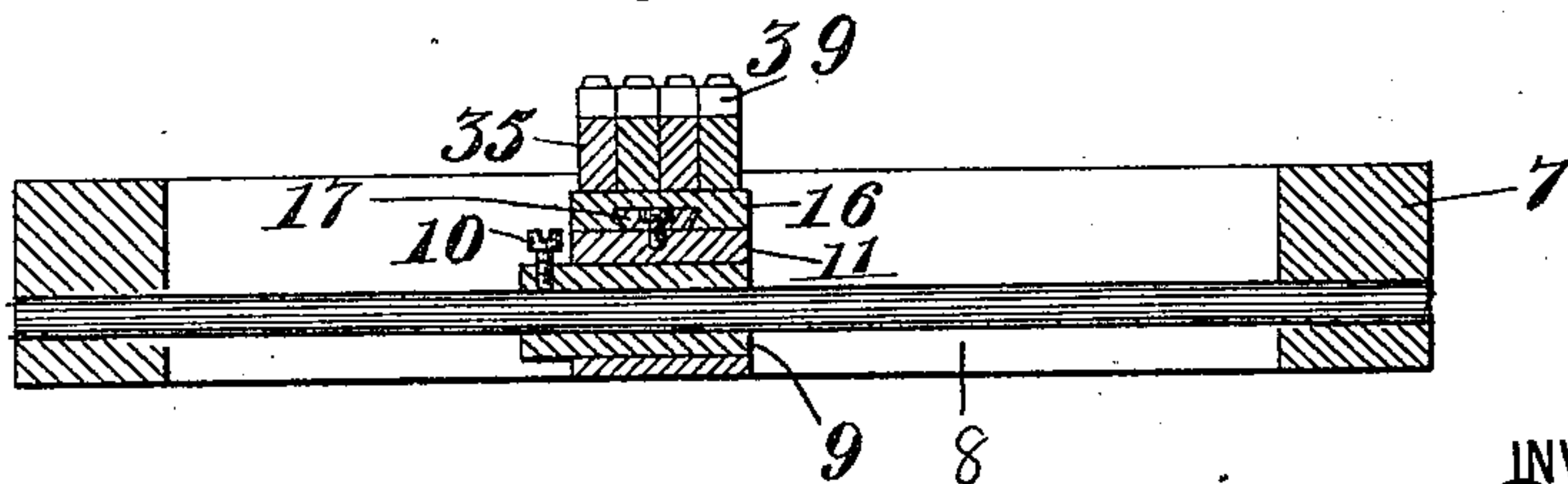


Fig. 2.



WITNESSES:

Oliver Wood
F. A. Stewart

INVENTOR

Albert A. Bryan
BY
Edgar Tate
ATTORNEYS

UNITED STATES PATENT OFFICE.

ALBERT A. BRYAN, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
BENJAMIN F. BRYAN, OF TOMPKINSVILLE, NEW YORK.

DEVICE FOR PRINTING TICKETS.

SPECIFICATION forming part of Letters Patent No. 667,672, dated February 12, 1901.

Application filed October 9, 1900. Serial No. 32,491. (No model.)

To all whom it may concern:

Be it known that I, ALBERT A. BRYAN, a citizen of the United States, residing at New York, (Gifford's,) in the county of Richmond and State of New York, have invented certain new and useful Improvements in Devices for Printing Tickets, of which the following is a full and complete specification, such as will enable those skilled in the art to which it ap-
10 pertains to make and use the same.

This invention relates to means for printing mileage-tickets; and the object thereof is to provide an improved device of this class which is simple in construction and operation and by means of which the numbers of the tickets or the coupons thereof may be quickly and easily changed in the operation of printing the same, and whereby a great saving of time is accomplished and the cost
20 of such printing materially reduced.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated
25 by the same reference characters in each of the views, and in which--

Figure 1 is a plan view of my improved device for printing the coupons of mileage-tickets; Fig. 2, a transverse section thereof on the line 2 2 of Fig. 1; Fig. 3, a longitudinal section on the line 3 3 of Fig. 1; Fig. 4, a side view of a detail of the construction, and Fig. 5 an end view showing another detail.

In the practice of my invention I provide
35 a frame 7, provided with two transverse rods or bars 8, each of which is provided with a sleeve 9, through which is passed a set-screw 10, by means of which the sleeves 9 may be secured to the rods or bars 8, and mounted on the sleeves 9 is a bed-plate 11, one end of which is cut out to form a vertical opening 12, and passed through said end is a screw-bolt 13, having a head 14 and a cylindrical bearing 15.

Mounted on the bed-plate 11 is a plate 16, which is connected therewith by a longitudinal tongue-and-groove connection, as shown at 17 in Fig. 2, the rib portion of said tongue-and-groove connection being preferably
50 formed separately and secured to the bed-plate 11 by a screw, while the groove itself is

formed in the plate 16. The plate 16 is provided at the right-hand end thereof, or that end at which the screw 13 is located, with a depending member 18, which passes down-
55 wardly through the opening 12 in the bed-plate 11 and through which the screw 13 passes and by means of which the plate 16 may be longitudinally adjusted, and said plate is also provided at said end with an upwardly-di-
60 rected member 19, the object of which will be hereinafter described. The plate 16 is provided at its left-hand end, or opposite the end where the screw 13 is located, with a head 20, which projects above and below the bed-
65 plate 11 and in the end of which are formed vertical notches or recesses 21, four of which are shown in Fig. 5, and which communicate with a transverse notch or recess 22, as shown in Fig. 3, and in the top of the head 21 are
70 formed horizontal notches or recesses 23, which are in the same line with holes or openings 24, formed in the upwardly-directed member or projection 19 at the opposite end of the plate 16.

Mounted transversely of the frame 7, at the left-hand end thereof, or in the end adjacent to the head 20 of the plate 16, is a bar 25, which is secured to arms 26, pivoted at 27, and secured to one of the pivots at 27 is a spring
80 28, which bears on the under side of said bar and which is adapted to turn it upwardly, as shown in dotted lines in Fig. 3, and said bar is provided at one end with a projecting spring-finger 29, provided at its end with a lug or
85 projection 30, adapted to enter a corresponding recess in one side of the frame 7, as shown in dotted lines at 31 in Fig. 1, and connected with said bar, centrally thereof, is an adjustable block 32, which consists of separate side
90 plates connected at one side, as shown at 33, and provided with a set-screw 34, which passes through the opposite sides thereof, and this block 32 may be adjusted longitudinally or transversely of the bar 25.

I also provide a plurality of type-bars 35, four of which are employed and which are narrower at one end than at the other, as shown at 36, and provided at said end each with a depending portion 37, and the narrower por-
100 tions 36 and the depending portions 37 of the type-bars 35 are adapted to enter the notches

or recesses 23 and 21, respectively, of the head 20 of the plate 16, and said type-bars are each provided at their opposite ends with a lug or projection 38, and these lugs or projections 38 enter the corresponding holes or openings 24 in the upwardly-directed end member 19 of the plate 16. The type-bars 35 are provided each with a plurality of types 39, all the types on one bar being the same, and when said bars are placed in position as shown in Fig. 1 the type read transversely of the frame and transversely of the type-bars, the number shown in the drawings being "2,345."

It will be apparent that the plate 16 may be adjusted on the plate 11 and longitudinally thereof by turning the screw 13, and when the type-bars are placed in position they are locked by turning the bar 25 into the position shown in full lines in Figs. 1 and 3, in which position the block 22 presses on the ends of said type-bars, and by turning the said bar 25 into the position shown in dotted lines in Fig. 3 the said type-bars may be removed or detached, and it will also be apparent that bars having other types may be substituted for those shown whenever necessary. It will also be apparent that the bed-plate itself may be adjusted transversely of the frame 7, and by means of this construction any desired lateral or longitudinal adjustment of the type-bars may be secured.

In the drawings forming part of this specification I have shown but one bed-plate 11 and one set of type-bars; but it will be apparent that any number of such combinations of parts may be mounted in the frame 7, three of the same being usually employed.

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

1. A device for printing tickets, comprising a frame, a transversely-adjustable support mounted therein, and longitudinally-adjustable type-bars mounted on said support, substantially as shown and described.

2. A device for printing tickets, comprising a frame, a transversely-adjustable support mounted therein, and longitudinally-adjustable type-bars mounted on said support, and means for locking said bars in position, substantially as shown and described.

3. A device of the class described, comprising an oblong frame, a transversely-adjustable support mounted therein, a plate mounted on said support and longitudinally adjustable, and type-bars adapted to be detachably connected with said plate, substantially as shown and described.

4. A device of the class described, comprising an oblong frame, a transversely-adjustable support mounted therein, a plate mount-

ed on said support and longitudinally adjustable, and type-bars adapted to be detachably connected with said plate, and means for locking said type-bars in position, substantially as shown and described.

5. A device of the class described, comprising an oblong frame having transverse rods, a bed-plate or support mounted on said rods and adjustable thereon transversely of said frame, a plate mounted on said bed-plate or support and longitudinally adjustable thereon, type-bars adapted to be mounted on said plate, and devices for locking said type-bars in position, substantially as shown and described.

6. A device of the class described, comprising an oblong frame having transverse rods, a bed-plate or support mounted on said rods and adjustable thereon transversely of said frame, a plate mounted on said bed-plate or support and longitudinally adjustable thereon, type-bars adapted to be mounted on said plate, and devices for locking said type-bars in position, consisting of a transverse bar mounted in one end of said frame, and provided with a locking-block adjustable thereon and adapted to bear on the ends of the type-bars, and means for turning said transverse bar and for locking it in one position, substantially as shown and described.

7. A device of the class described, comprising a frame, a transversely-adjustable support mounted therein, a longitudinally-adjustable plate mounted on said support, and provided at its opposite ends with notches or recesses adapted to receive the ends of type-bars, and type-bars mounted on said plate, and provided with projecting portions at each end adapted to enter said notches or recesses, and means for locking said type-bars in position, substantially as shown and described.

8. A device of the class described, comprising a block 7, a transversely-adjustable bed-plate or support 11 mounted therein, a longitudinally-adjustable plate 16 mounted on said bed-plate or support, and type-bars 35 adapted to be detachably connected with said plate, and provided at their opposite ends with members adapted to engage corresponding parts connected with said plate, and means for locking said type-bars in position, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 8th day of October, 1900.

ALBERT A. BRYAN.

Witnesses:

F. A. STEWART,
C. C. OLSEN.