

No. 646,426.

Patented Apr. 3, 1900.

J. GRANT, Dec'd.
M. H. E. W. GRANT, Executrix.
TYPE TRAY.

(Application filed Mar. 25, 1899.)

(No Model.)

Fig. 1.

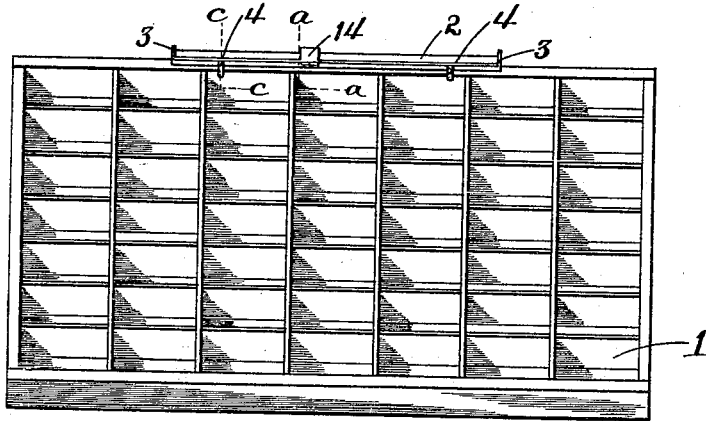


Fig. 2.

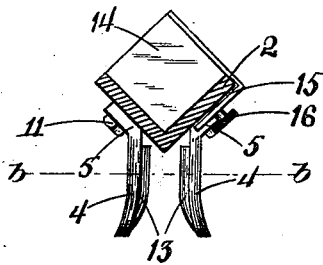


Fig. 3.

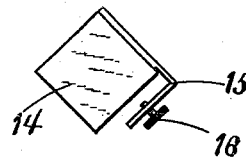


Fig. 4.

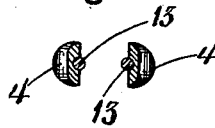


Fig. 5.

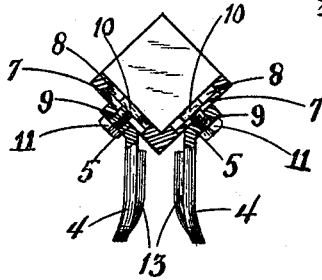


Fig. 6.

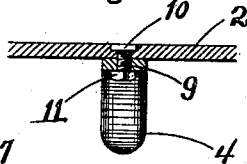
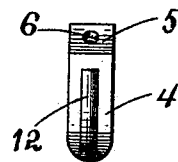


Fig. 7.



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MARY H. E. W. GRANT, OF BUFFALO, NEW YORK, EXECUTRIX OF JOSEPH GRANT, DECEASED.

TYPE-TRAY.

SPECIFICATION forming part of Letters Patent No. 646,426, dated April 3, 1900.

Application filed March 25, 1899. Serial No. 710,525. (No model.)

To all whom it may concern:

Be it known that JOSEPH GRANT, deceased, late a citizen of the United States, who resided at Buffalo, in the county of Erie and State of New York, invented certain new and useful Improvements in Type-Trays, of which the following is a specification.

This invention relates to an improved type-tray adapted to be attached to any printer's case to hold type differing from the style held in the case and thus facilitate the distribution of type; and the object of the invention is to provide a simple, cheap, and convenient device of this character that can be easily attached to any case, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of a printer's case having the improved tray attached thereto. Fig. 2 is an enlarged transverse section through the improved tray on or about line *a a*, Fig. 1. Fig. 3 is an enlarged detached view of the separating-block. Fig. 4 is a section on or about line *b b*, Fig. 2. Fig. 5 is an enlarged section on or about line *c c*, Fig. 1. Fig. 6 is an enlarged longitudinal section through one side of the tray-body, illustrating the means of attaching a leg thereto. Fig. 7 is an enlarged detached view of one of the legs.

In referring to the drawings for the details of construction like numerals designate like parts.

This improved tray is adapted to be attached to a compositor's or printer's case in any well-known description.

The tray is composed of sides 2, extending at substantially right angles from each other, and ends 3, and when placed in position upon a case the sides 2 of the tray extend at substantially an angle of forty-five degrees from said case. Legs 4, adapted to straddle the partitions or walls of the case 1 to fasten the tray thereto, are adjustably secured to the sides 2. The upper ends 5 of the legs extend at an angle from the lower portions and are provided with openings 6.

The sides 2 of the tray-body are provided with transverse slots 7, which enlarge on the inner side to form countersunk portions 8, and

screw-bolts 9, the enlarged heads 10 of which seat in the countersunk portions 8 to prevent the type when it is thrown in the tray from striking against the screw-heads, are passed through each of the slots 7 and the openings 6 of the legs, and the screw-bolts are locked in their adjusted position by screw-nuts 11.

Each of the legs 4 has a longitudinal channel or groove 12 on its inner side, in which is placed a rubber filler 13 or any suitable elastic material, which serves to hold them more firmly in place when straddling a wall or partition. When the legs are raised, it widens the distance between them, and when they are lowered it narrows the width, owing to the angle with which the sides 2 extend relatively to each other, so that they may be adjusted sufficiently to permit their straddling any reasonable or usual thickness of partitions or walls generally used in printers' cases. A separating-block 14, having an angular arm 15, which fits over the sides 2, is secured thereto by a thumb-screw 16. This separating-block 14 is longitudinally adjustable along the tray and provides means for separating the type-receiving space in said tray into two portions which by means of the adjustability of the block can be varied in length to suit the number and size of the type placed therein—thus, if a few type of a style different from that placed in the case is found in the type-form being separated they can be thrown in one of the portions of the space, and other type of still a different style can be thrown in the remaining portion, the length of the two portions being regulated by adjusting the separating-block.

What is claimed is—

1. As a new article of manufacture, a type-tray adapted to be secured to a printer's case comprising a body having ends and sides secured together at their lower edge and extending upward at substantially right angles from each other, and legs attached to the sides and adapted to straddle a wall of the case to detachably secure said tray thereto; said legs having adjustment toward or from each other to adapt the tray for attachment to cases having walls of different thicknesses.

2. An improved type-tray having sides arranged at an angle to each other and provided

with transverse slots, legs provided with openings, and locking devices passed through said openings and slots for adjustably securing said legs to said sides.

5 3. An improved type-tray having sides arranged at an angle to each other and provided with transverse slots, legs provided with openings, and screw-bolts passed through said openings and slots for adjustably securing
10 said legs to said sides, as set forth.

4. An improved type-tray having sides arranged at an angle to each other and provided with transverse slots enlarging on the interior to form countersunk openings, legs having
15 circular openings and screw-bolts passed through said slots and openings in the legs with the enlarged heads seated in the countersunk openings, and nuts for securing said bolts and legs in their adjusted position, as
20 set forth.

5. As a new article of manufacture, a type-tray adapted to be secured to a printer's case and comprising a body having ends and sides secured together at their lower edges and extending
25 upward at substantially right angles from each other, two pairs of legs attached to the sides of said body portion and adapted to straddle a wall of a printer's case to secure said tray thereto, the inner surface of said
30 legs being provided with longitudinal grooves and elastic portions seated in said grooves, as set forth.

6. An improved tray for holding type, comprising a body portion, pairs of legs attached to said body portion and adapted to straddle
35 a wall of a printer's case to secure said tray thereto, and having longitudinal grooves or channels on their inner surface and elastic portions placed in said grooves or channels.

7. An improved tray for holding type, comprising a body portion having transverse slots
40 in its sides, pairs of legs attached to said body portion by fastening devices passing through the slots and adapted to straddle a wall of the printer's case to secure said tray thereto; the slots in the body portion providing
45 means for adjusting the opposed legs of each pair toward or from each other to permit of their straddling walls of different widths.

8. An improved type-tray adapted to be secured to a printer's case and having a separating-block for dividing the type-holding
50 space of said tray into two compartments, said block being longitudinally adjustable and having an angular portion extending over the side of the tray and a screw device attached
55 to said angular portion, for fastening said block in its adjusted position, as set forth.

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Witnesses:

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