(No Model.)

H. WELLS.

STAND FOR TYPE CASES.

No. 327,629. Patented Oct. 6, 1885.

Fig. 3.

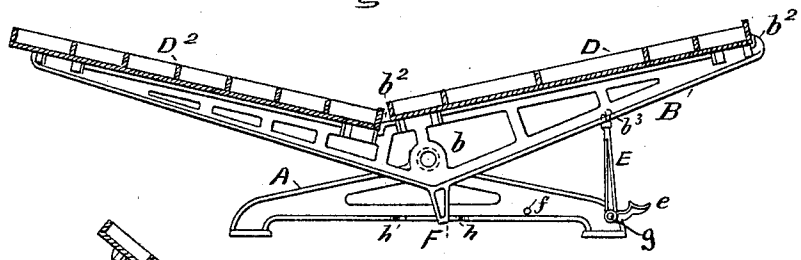


Fig. 2.

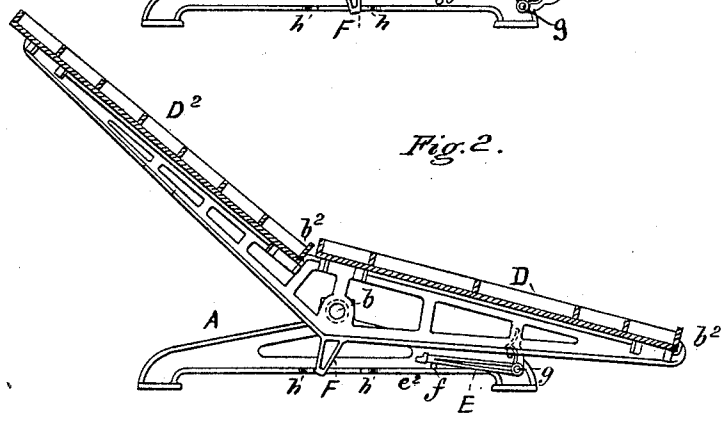


Fig. 4.

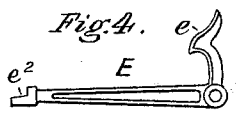


Fig. 1.

WITNESSES:
William W. Hacks
James P. Harvey

Heber Wells INVENTOR

BY A. Sidney Doane

ATTORNEY

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

HEBER WELLS, OF PATERSON, NEW JERSEY.

STAND FOR TYPE-CASES.

SPECIFICATION forming part of Letters Patent No. 327,629, dated October 6, 1885.

Application filed April 30, 1884. Serial No. 129,873. (No model.)

To all whom it may concern:

Be it known that I, HEBER WELLS, of Paterson, Passaic county, New Jersey, have invented certain Improvements in Stands for Type-Cases; and I do hereby declare that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon in, which—

Figure 1 is a front perspective view of my stand for tpye-cases, the same being removed. Fig 2 is a side sectional view of the same, with the type-cases in one position. Fig. 3 is a side elevation of the same, with the type-cases in the second position. Fig. 4 is a detached view of the locking and supporting device.

In the drawings, like parts of the invention are designated by the same letters of reference.

The nature of the present invention consists in improvements, as hereinafter described, in the construction of stands for supporting type-cases by the use of which the position of the type-cases used in connection with the stand relatively to each other, and necessarily to the compositor, may be easily and rapidly changed; second, in an operating-lever and locking device constructed as shown, in combination with the stand, by which the position of the cases is changed when desired, and when changed the cases are securely held in position, the object of the invention being the construction of a stand for supporting type-cases in which the position of the type-cases relatively to the compositor and to each other is easily and rapidly changed and the types contained in the boxes of the cases be necessarily removed from the corners of the same, coupled with a locking device by which the type-cases are held in the desired position.

To enable those skilled in the arts to make and use my invention, I will describe the same.

A shows the side pieces for supporting the movable portion of the stand, or that part upon which the type-cases are placed. The side pieces may be secured upon the top of a type-cabinet, or upon a shelf or some proper support for them. They are provided with the half-round openings *a*, in which rest the trunnions *b* of the movable portion of the stand, consisting of the frame-work B, properly strengthened by means of the cross-braces C. The lower ends of the frame-work are constructed, as at b^2, to form lips or ledges, against which one of the type-cases, D, has its bearing, and the upper half of this frame-work is made lower than the lower half, so that the other type-case, D^2, will bear upon the lips b^2 thus formed when placed upon the stand in position. Upon one side of the frame-work B is placed a lug or projection, b^3, with which engages the curved end *e* of the locking device E, the opposite end of said locking device resting upon a projection, *f*, on one of the side pieces A. The rear end, e^2, of this locking device E has a portion of its surface cut away to form a step or support to hold the frame-work B in the desired position when elevated, the locking device E being free to turn upon a stud or bolt, *g*, secured in one of the side pieces A, so that it (the locking device) may be moved from a horizontal into a vertical position, as clearly shown in Fig. 3 of the drawings.

The frame-work B is provided with the lugs or projecting pieces F, which in use are stopped by the short lugs or stops *h*, secured in the sides of the side pieces, A.

Such being the construction, the side pieces, A, are secured on the top of a type-cabinet or any suitable support for them, and the trunnions *b* of the frame-work B are placed in the half-round openings *a* in the side pieces, A, and the locking device E has its curved end *e* placed over the lug or projection b^3 upon one side of the frame-work B, and the frame-work B is thus held securely in position. The type-cases D and D^2 may now be placed upon the frame-work B, resting against the lipped portions b^2 of the same. In this position one of the type-cases D^2 will stand above or higher than the other case, D, as shown in Fig. 2 of the drawings. The composition of the type by the compositor may then be carried on from the cases D and D^2, and when the type in the same has been partially exhausted, or when from the types becoming packed in the corners of the boxes it is necessary that the types should be removed from these corners, (which in the composition of type is usually done by the compositor shaking the particular case, having first removed the same from the stand,) the curved end *e* of the locking device E is pulled back or away from the lug or pro-

jection b^3 upon one side of the frame-work B, and the cases D and D^2 will be brought into the position shown in Fig. 3 of the drawings, the extent of the movement of the frame-work being governed by the movement of the lugs F between the short stops *h* upon the side pieces, A. As the lugs F strike or are brought into contact with the short stops *h* the cases D and D^2 may thus be jarred or shaken sufficiently to cause the type to be moved from the front portion or corners of the boxes to the rear part of the boxes, so as to be more easily picked up by the compositor.

When desired, the locking device E may be moved from the horizontal position shown in Fig. 2 of the drawings into the vertical position shown in Fig. 3 of the drawings, and thus serve as a support for the frame-work B.

The space below the frame-work B upon the cabinet or shelf upon which it is mounted, which as the type-case stands are now constructed could not be made available, may be utilized for the reception of galleys or other implements employed in a printing-office, and the ability of the compositor to change the height of the frame-work B, and necessarily of the type-cases D and D^2, by placing below the side pieces, A, blocks of wood of varying heights to allow the type-cases to be adjusted to the height of the compositor, will be found of great advantage.

It will be observed that the frame-work is hung about centrally in the side pieces, and that the type-cases about balance each other, or would do so if the frame-work was placed so as to bring the cases in a horizontal position or nearly so.

Having now set forth my invention, I claim as new—

1. In a stand for supporting type-cases, the combination of the side pieces, A, provided with half-round openings *a* and stops *h*, the frame-work B C, provided with the trunnions *b* and lipped portions b^2, and the lugs or projecting pieces F, constructed and operating substantially as and for the purpose set forth.

2. In combination with the side pieces, A, and frame-work B C, constructed and operating substantially as described, of the movable lever E, one end of which is curved, as at *e*, and its opposite end cut away, substantially as and for the purpose specified.

HEBER WELLS.

In presence of—
JOHN W. STAGG,
JAMES J. VANDERBECK.