

W. B. WOOD.
Platform-Scales.

No. 154,362.

Patented Aug. 25, 1874.

Fig. 1.

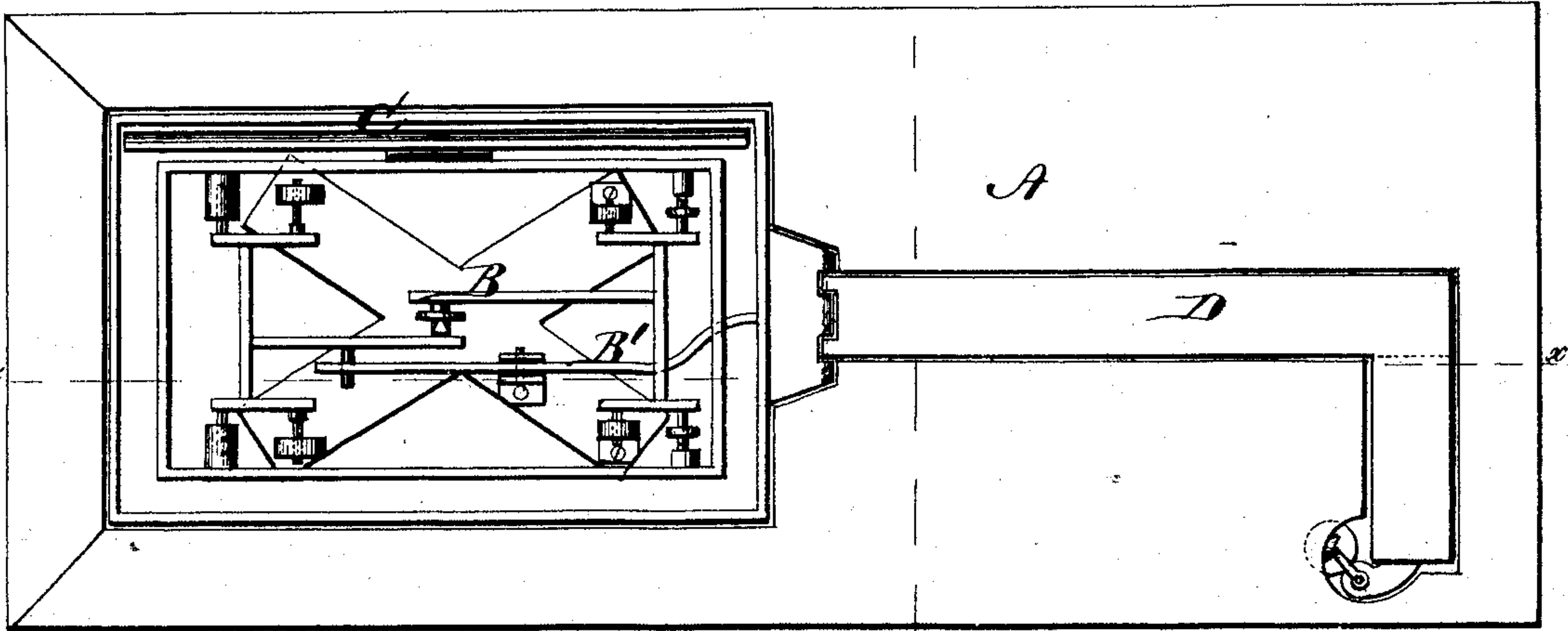


Fig. 2.

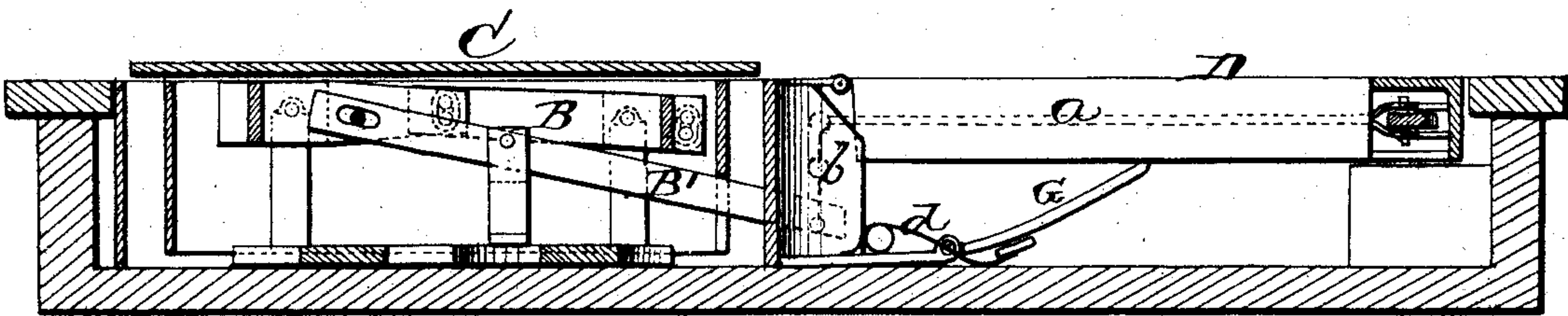


Fig. 3.

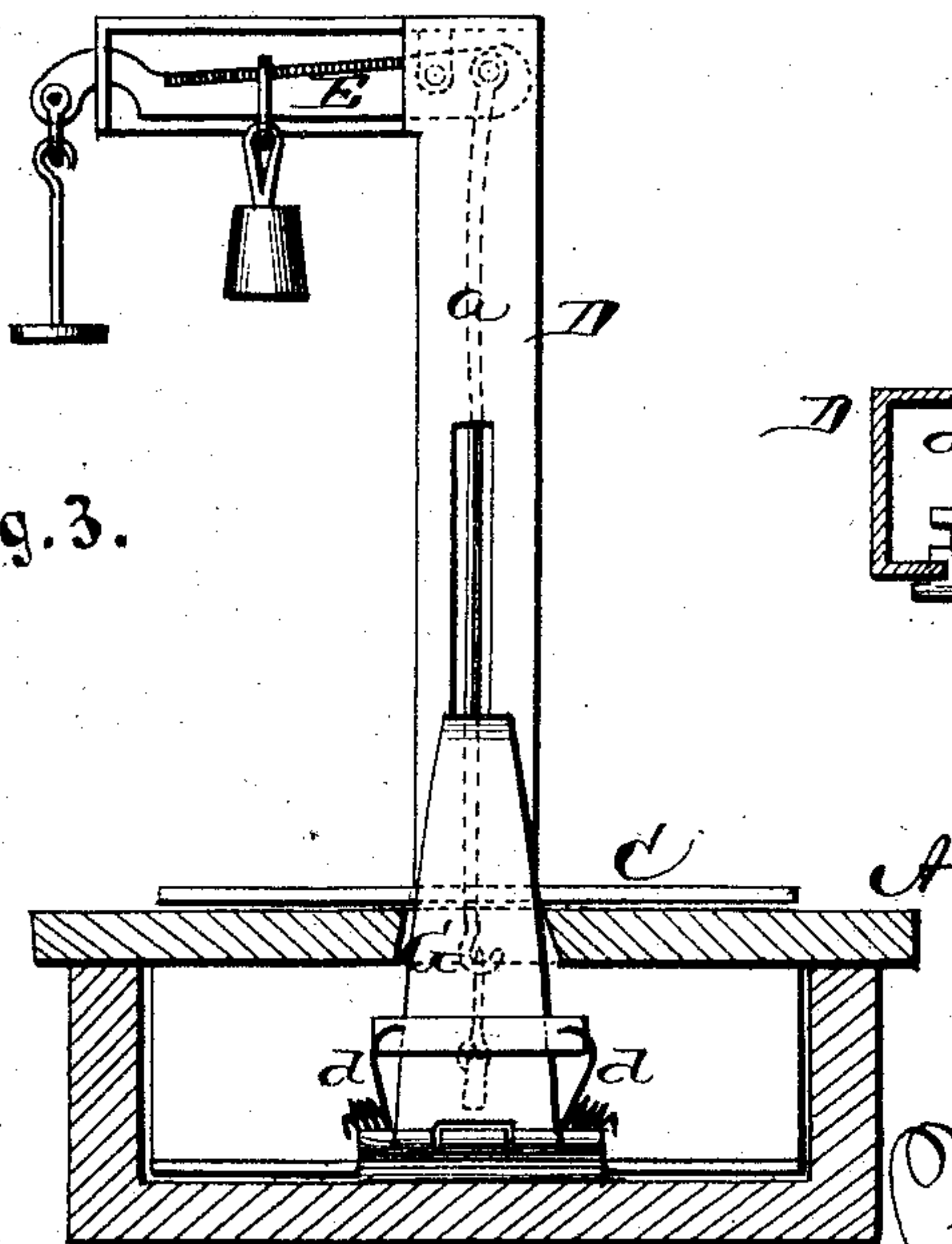
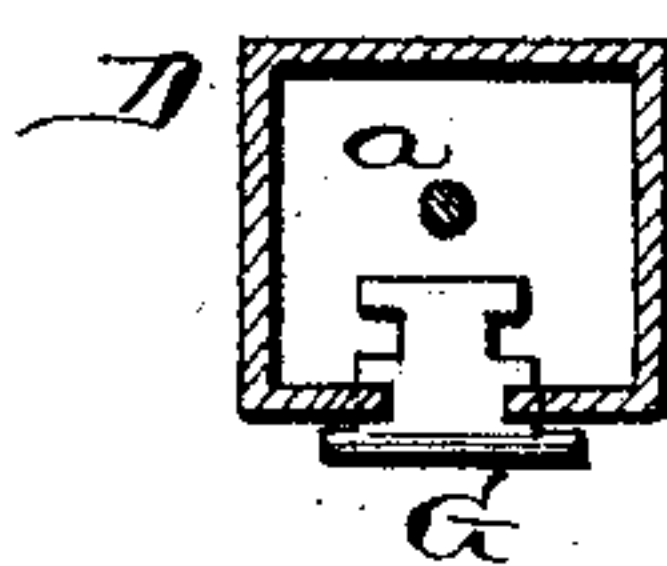


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM B. WOOD, OF FRANKLIN, KENTUCKY.

IMPROVEMENT IN PLATFORM-SCALES.

Specification forming part of Letters Patent No. **154,362**, dated August 25, 1874; application filed August 6, 1874.

To all whom it may concern :

Be it known that I, WILLIAM B. WOOD, of the city of Franklin, in the county of Simpson and State of Kentucky, have invented certain new and useful Improvements in Folding Scales ; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings which form part of this specification.

The object of my invention is to provide a platform, or other scale, which, when not in use, shall present no obstruction above the surface of the platform ; and to this end the nature of my invention consists in a hinged standard which can be folded down into a recess or opening in the platform, and when so folded, is flush with the upper surface of the platform. It also consists in so connecting the hinged standard with the scale mechanism, that, by lowering the standard, the scale-platform will also be lowered, and by raising the standard the scale-platform will also be raised. Also, in the combination of parts, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a plan view of a scale embodying my invention. Fig. 2 is a longitudinal vertical section of the same through the line *xx*, Fig. 1. Fig. 3 is a transverse vertical section through the line *yy*, Fig. 1, and Fig. 4 is a cross-section of the scale-standard.

A represents a box or platform, in one end of which is arranged the scale mechanism B to support the scale-platform C. D represents the L-shaped standard, containing in its upper horizontal portion the scale-beam E, and from the inner end of said beam depends the rod *a*, through the vertical part of the standard, the lower end of said rod being, by links, *b*, connected with the lever B' of the scale mechanism.

These parts, with the exceptions hereinafter pointed out, may all be constructed in any of the known and usual ways.

The standard D is hinged at its lower end on the side nearest to the scale, so that when the scale is not in use it can be folded down away from the scale, and drop into a recess

or opening made for it in the top of the box or platform A. This is so arranged that when thus folded the side of the standard shall be flush or level with the upper surface of the box or platform A, and present no obstacle above the same. The weights suspended from the scale-beam E will go down into the box. The rod *a*, with the links *b* connecting the scale-beam E with the lever B', passes back of the hinge *x* of the standard ; and hence when the standard is turned down, that end of the lever will be lowered, thereby depressing or pulling down the scale-platform C, and when the standard is raised again the scale-platform is in like manner elevated. The back of the standard D is slotted vertically as shown in Figs. 3 and 4, and in this slot slides a notched plate, G, which, when the standard is raised, is forced into notches on the standard by means of one or more springs, *d*. The lower end of the plate G, is hinged in the bottom of the box A. By this means the standard is held firmly in proper position for using the scale.

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

1. In combination with a scale and the box or platform in which it is arranged, the standard D, hinged at its lower end to fold backward away from the scale into a recess or opening in the box or platform, substantially as and for the purposes herein set forth.

2. The combination of a scale-mechanism, B, scale-platform, C, and a hinged standard, D, and lever B', the raising and lowering of the standard raising and lowering the scale-platform, all arranged and constructed substantially as set forth.

3. The combination of the hinged standard D, hinged plate G, sliding in a slot in the standard, and one or more springs, *d*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 4th day of March, 1874.

WILLIAM BAZZIL WOOD.

Witnesses :

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BENJAMIN FRANKLIN WOOD.