E. J. BLISS.

PLATFORM SCALE TOPS.

No. 193,634. Patented July 31, 1877.

Fig. 1.

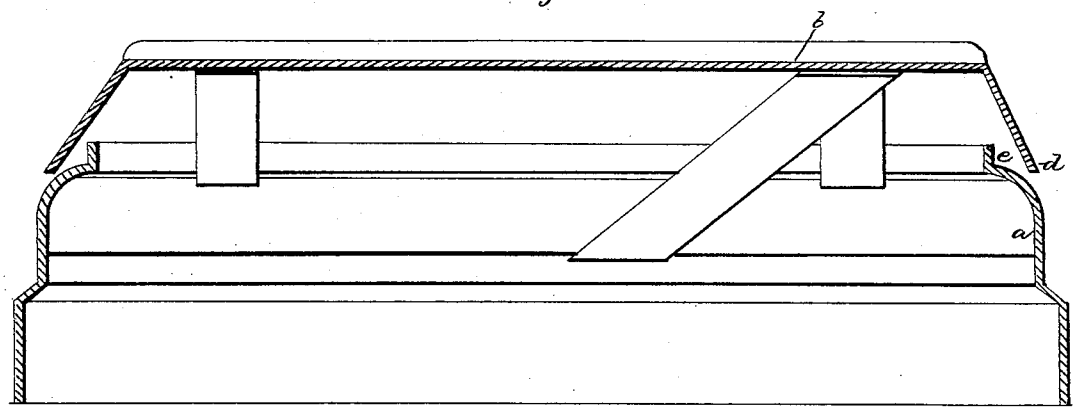
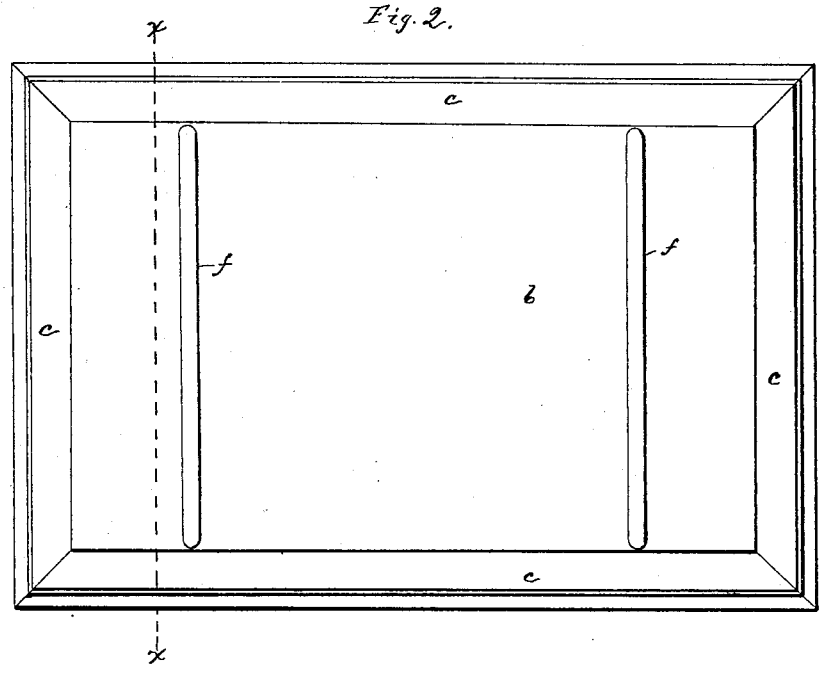


Fig. 2.



Witnesses.
Lott Latimer,
G. G. Perkins.

Inventor.
Ebenezer J. Bliss
per Crosby & Gregory Attys

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EBENEZER J. BLISS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND S. M. BROWN, JR., OF SAME PLACE.

IMPROVEMENT IN PLATFORM-SCALE TOPS.

Specification forming part of Letters Patent No. **193,634**, dated July 31, 1877; application filed February 27, 1877.

To all whom it may concern:

Be it known that I, EBENEZER J. BLISS, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Platform-Scale Top, of which the following is a specification:

This invention relates to improvements in platform-scale top, and has for its object to prevent water, brine, &c., contained in certain kinds of material being weighed, as fish, pork, &c., dropping from the platform against the levers and knife-edges supporting the platform, they being contained within the usual inclosing frame.

My improved platform is provided about its edges with a depending rim, extended below the top of the inclosing frame when the platform is at its highest position, such rim directing the water, brine, &c., to a point without the frame and below its top. It is also provided with raised ribs, upon which to rest a box containing fish, and such ribs forming ways, over which the box may be slid when being removed, thereby preventing drawing the box over all the flat surface of the top.

Figure 1 represents a cross-section of a top and frame, taken on line *x x*, Fig. 2; Fig. 2, a plan view of the top.

In the drawing, *a* represents the frame of a Fairbanks scale. The parts to be contained therein are to be of ordinary construction, and, therefore, need not be fully shown or further described.

The scale-top *b* in this my invention is provided with a depending rim, *c*, extended entirely around and formed in one piece with it, preferably by casting. The lower end *d* of the rim extends below the top *e* of the frame when the former is at its highest position, and liquid on the platform will flow down and from the outside of and below the frame-top.

In this way it is obvious that it is impossible for water, brine, &c., to come in contact with the levers and knife-edges usually contained within the frame, and such levers and edges are thereby protected from rust and injury.

The top of the platform is provided with two or more raised ribs, *f f*, to receive the bottom of a box or other receptacle in which fish and other articles being weighed are commonly placed. The ribs keep the bottom of the box from the face of the platform, which quickly becomes coated with salt, dirt, &c., and, resting only on the ribs, the box or other receptacle may be drawn over the ribs and from the platform-top with much less power than if the box rested directly upon the usual flat top.

It will be obvious, from the depth of the rim, that liquid passing down it cannot pass over the top of and within the frame *a*.

If the rim *d* should be made very short, so as not to extend below the top of the frame, drops of liquid at the edge of the platform or top would, were the top not perfectly horizontal, pass along under the top, and thence drop within the frame.

I claim—

1. A metallic platform-top provided with a depending rim formed as an integral part thereof, in combination with the usual scale-frame, the bottom of the rim being adapted to extend below and outside the top of the frame, all substantially as described.

2. The improved scale-top herein described, consisting of a platform provided with depending edges, and with ribs across the top, all substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EBENEZER J. BLISS.

Witnesses:

G. W. GREGORY,

S. B. KIDDER.