

H. T. BUDGE & N. W. RUSSELL.

Bag-Holder Weighing-Scales.

No. 138,315.

Patented April 29, 1873.

Fig. 1.

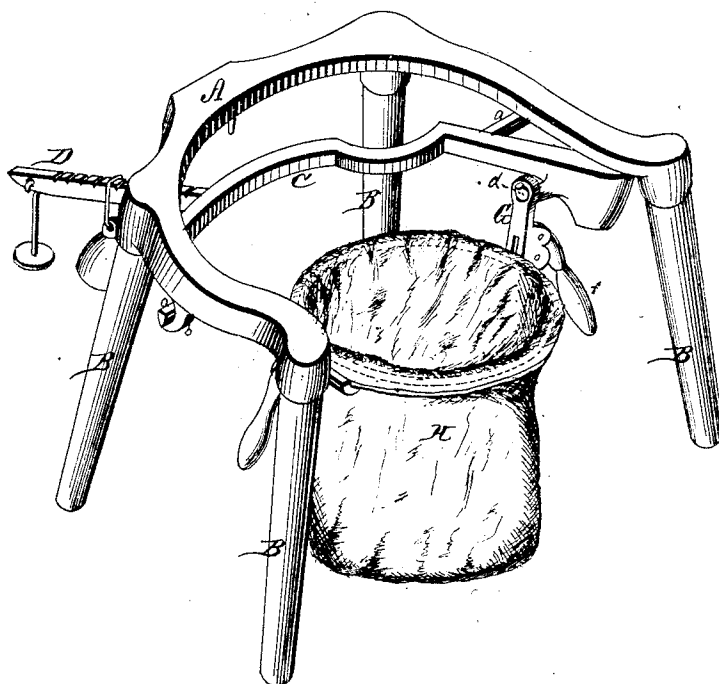
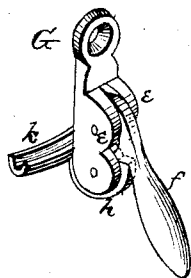


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY T. BUDGE AND NELSON W. RUSSELL, OF CEDAR FALLS, IOWA.

IMPROVEMENT IN BAG-HOLDER WEIGHING-SCALES.

Specification forming part of Letters Patent No. **138,315**, dated April 29, 1873; application filed January 9, 1873.

To all whom it may concern:

Be it known that we, HENRY T. BUDGE and NELSON W. RUSSELL, of Cedar Falls, in the county of Black Hawk and State of Iowa, have invented certain new and useful Improvements in Combined Bag-Holder and Scale; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of our invention consists in the construction and arrangement of a combined scale and bag-holder, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of our entire machine, and Fig. 2 is a view of one of the trips used in the same.

A represents a frame open on one side and supported upon legs B B. C represents another frame, also open on one side, and provided in the center with an outward-projecting scale-beam, D, the frame C, however, forming a part of the scale-beam. On the sides of the frame C are V-shaped bars *a a*, forming the bearing-bars for the scale-beam, and which bars are supported in hooks or other bearings *b b* formed on the under side of the main frame. Near each end of the scale-frame C, on the inner side, is formed a projection or hook, *d*, upon which a trip, G, is hung for holding the bag while being filled and weighed.

The trip G is constructed in the following manner: The main part of the trip is a casting with a hole in its upper end to go on the hook *d*, and on the rear side are two projecting ears or flanges, *e e*. Between the upper

ends of these flanges is pivoted a lever, *f*, and between their lower ends is pivoted a segment or disk, *h*, to which, in front of the trip, is secured a curved gutter-shaped holder, *k*. When the lever *f* is raised the disk *h* turns on its pivot to throw the holder *k* downward, while, when the holder is raised in the position shown in Fig. 2, it is locked there by pushing down the lever.

H represents the bag, the mouth of which is drawn over a ring and then placed in the holders *k k*, when the bag may be filled and weighed at one operation, and when done the bag is readily released by the trips.

By the use of the ring and tripping-clamp a bag may be readily attached and detached without injury to the bag; and by the construction of the frame C, and its peculiar connection with the frame A, the frame C, upon which is formed the scale-beam D, has two points of bearing, which holds the scale firmly in place while the bag is being filled.

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

1. The clamp G, composed of the perforated casting ears or flanges *e e*, lever *f*, and segment or disk *h*, all constructed substantially as and for the purpose specified.

2. The curved gutter-shaped holders *k*, in combination with the clamp G, constructed as set forth, the bag H, and the ring, substantially as and for the purpose herein specified.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

H. T. BUDGE.
N. W. RUSSELL.

Witnesses:

C. J. MAIN,
S. N. PIERCE.