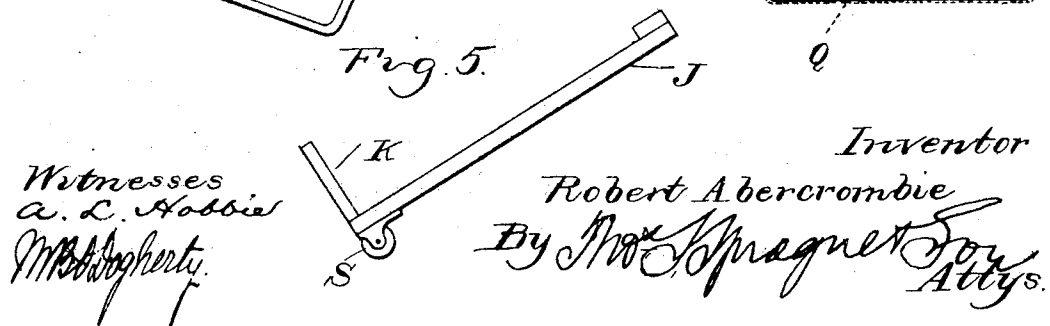
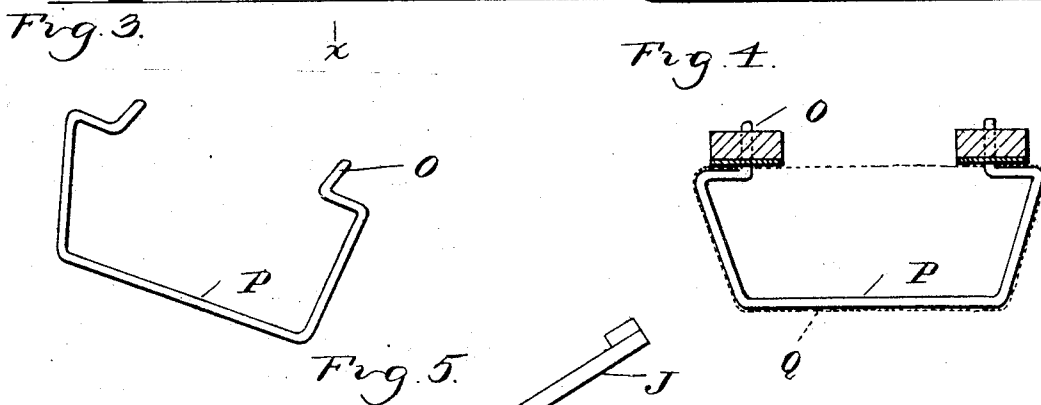
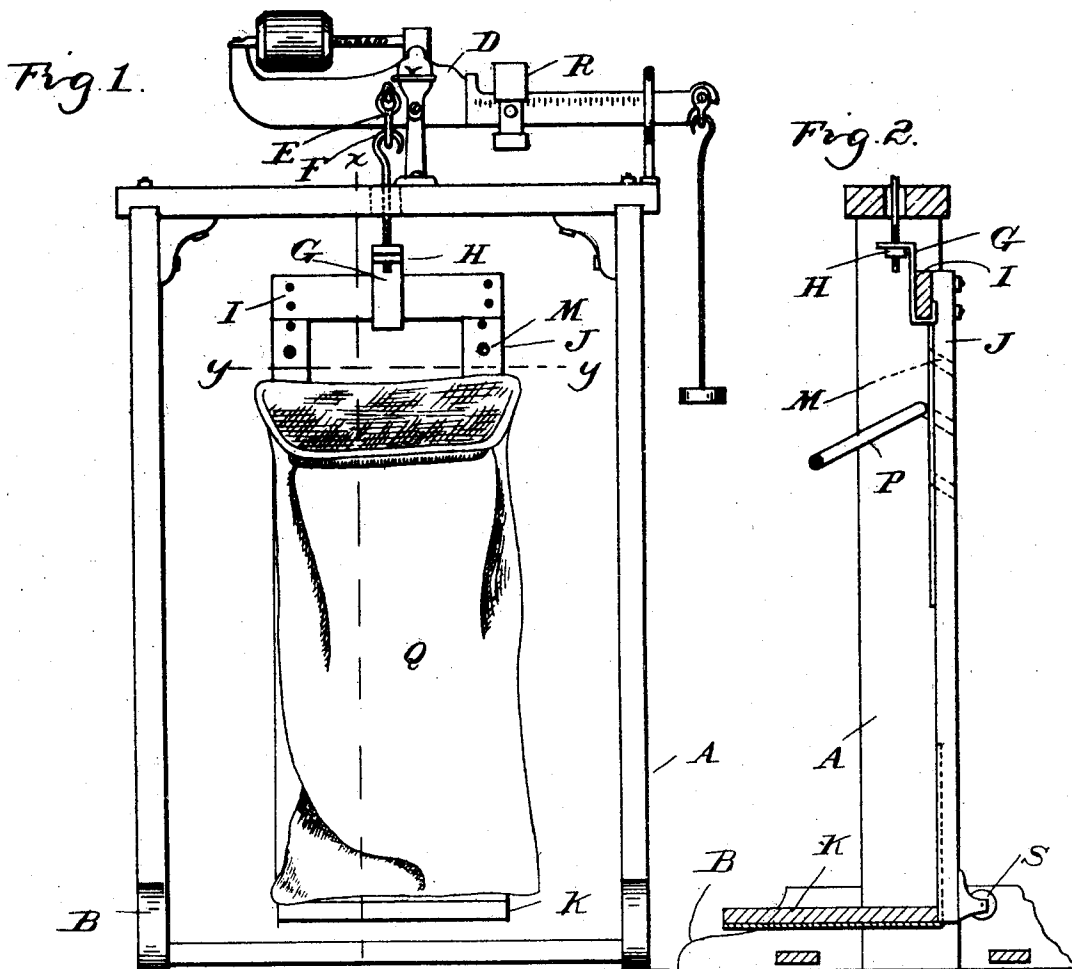


(No Model.)

R. ABERCROMBIE.
SACK SCALE.

No. 502,265.

Patented Aug. 1, 1893.



UNITED STATES PATENT OFFICE.

ROBERT ABERCROMBIE, OF MEAFORD, ASSIGNOR OF ONE-HALF TO JOHN A. ROSE, OF ESSEX, CANADA.

SACK-SCALE.

SPECIFICATION forming part of Letters Patent No. 502,265, dated August 1, 1893.

Application filed July 1, 1892. Serial No. 438,665. (No model.) Patented in Canada April 28, 1891, No. 36,487.

To all whom it may concern:

Be it known that I, ROBERT ABERCROMBIE, a subject of the Queen of Great Britain, residing at Meaford, in the county of Grey and Province of Ontario, Canada, have invented certain new and useful Improvements in Scales for Weighing Bags, (which has been patented in Canada, bearing date of April 28, 1891, No. 36,487,) of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in scales, and belongs to that class of scales designed particularly for weighing bags, &c.

The invention consists in the peculiar construction, arrangement and combination of various parts, all as more fully hereinafter described.

In the accompanying drawings, Figure 1 is a front elevation of my improved scale. Fig. 2 is a cross section thereof on line $x-x$ in Fig. 1. Fig. 3 is a detached perspective view of the frame for supporting the top of the bag. Fig. 4 is a cross section on line $y-y$ in Fig. 1. Fig. 5 is a side elevation of the scales showing the bag holder used as a truck.

A is the supporting frame preferably rectangular as shown, and having the feet B to support it firmly in position. Upon the top of this frame is a standard in which is pivoted the scale beam D of any known construction. This beam has the usual suspending clevis E to which is connected a hooked link F screw threaded at its lower end and engaging through an aperture in the top of the hook G being adjustable by means of an adjusting nut H. The hook G is adapted to engage under the cross bar I of a rectangular bag supporting frame J, which at its lower end is provided with the horizontal bag supporting platform K, preferably secured thereto by means of the angle iron L. At the top the vertical standards of the bag supporting frame are provided with a series of inclined apertures M in which the pins O of the bag holder P are adapted to engage. These pins being formed

preferably integral with the bag holder, the whole being formed from a single piece of metal bent into the shape shown in Fig. 3, substantially rectangular, slightly tapering toward the front.

Q is a bag having its upper end suitably engaging over the bag holder as shown in Fig. 1, the bag holder serving to hold the bag open so that it may be filled while the lower end rests upon the platform K, the load being carried from the scale beam in the manner described. The poise R may be set to the desired number and then the bag evenly filled until the beam balances, and thus insure the proper quantity of material being put in the bag and giving accurate weights. When the bag is filled, or at other times the hook G may be disengaged from the cross bar I and the bag supporting frame may then be used as a truck by turning it into the position as shown in Fig. 5, resting upon the rollers S. The adjusting holes M enable me to weigh bags of different lengths.

What I claim as my invention is—

1. The combination of the frame, the scale beam, the bag supporting frame suspended therefrom and having a vertical series of diagonal holes M therein, of the bag holder P formed of a single piece of bent metal having the inclined pins O at its ends adapted to engage in said holes, substantially as described.

2. The combination of a frame, the scale beam supported upon the top thereof, the suspending link F, the bag supporting frame J having the cross bar I at the top, the hook G loosely engaging said cross bar and adapted to receive the link F, the adjusting nut H, platform K at the lower end of the frame and the adjustable bag holder B at the upper end thereof, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT ABERCROMBIE.

Witnesses:

JAMES WHITTEMORE,
N. L. LINDOP.