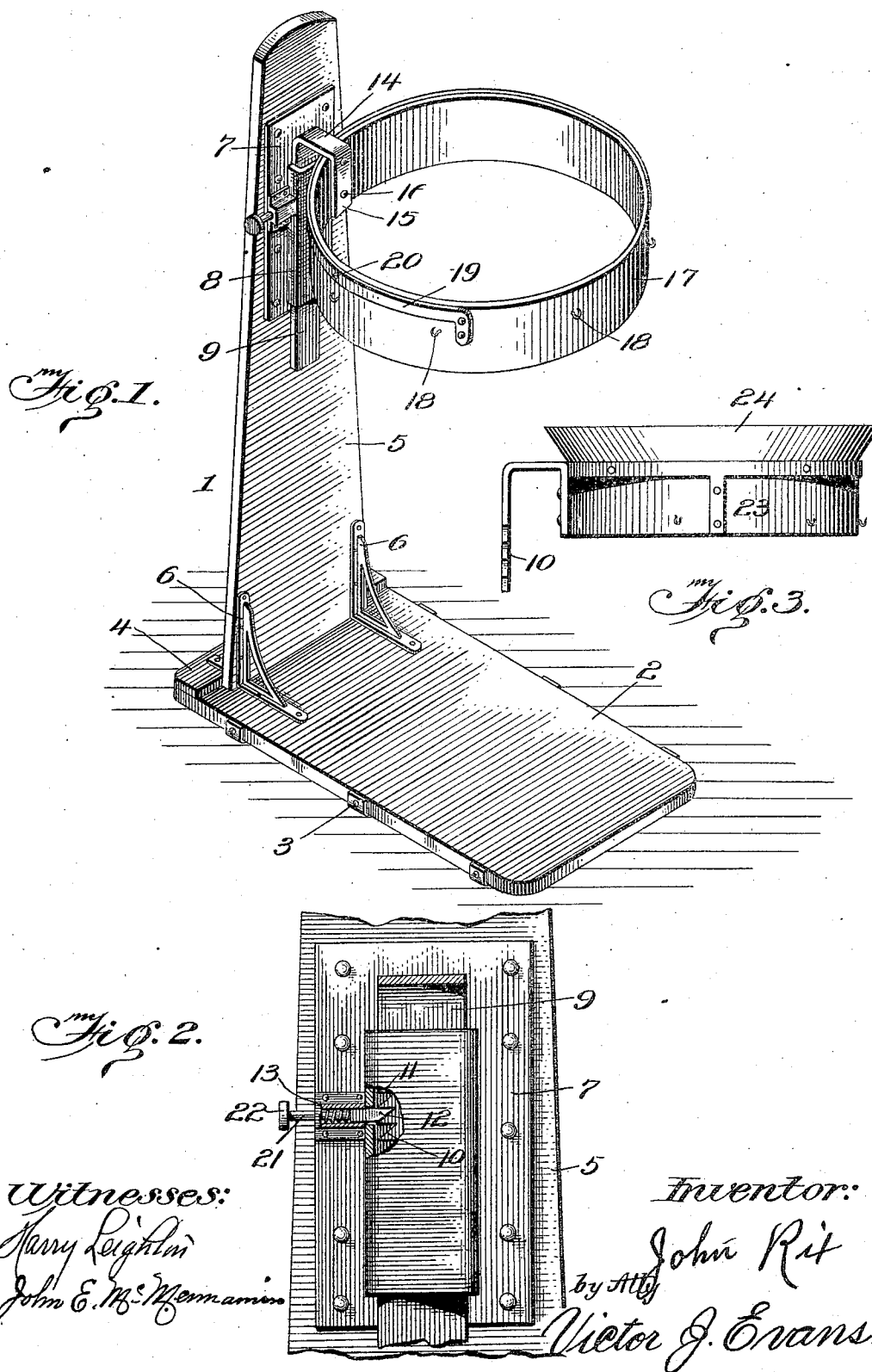


J. RIX.
SACK HOLDER.
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944,211.

Patented Dec. 21, 1909.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN RIX, OF LIMESTONE, MAINE.

SACK-HOLDER.

944,211.

Specification of Letters Patent. Patented Dec. 21, 1909.

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To all whom it may concern:

Be it known that I, JOHN RIX, a citizen of the United States, residing at Limestone, in the county of Aroostook and State of Maine, have invented new and useful Improvements in Sack-Holders, of which the following is a specification.

This invention relates to sack holders, and has for an object to provide a holder of this character that will effectively hold a sack open during filling of the same and which will be provided with means for adjusting the sack holding band or element vertically to accommodate for its use in connection with bags or sacks of various sizes.

Other objects and advantages will be apparent as the nature of the invention is hereinafter set forth, and it will be understood that changes within the scope of the claims may be resorted to without departing from the spirit of the invention.

In the drawing, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a perspective view of the sack holder. Fig. 2 is a detail front elevation of the supporting standard showing parts broken away to more clearly illustrate the invention. Fig. 3 is a detail elevation of a slightly modified form of the sack supporting band or element.

Referring now more particularly to the drawing, there is shown a sack holder 1 comprising a base 2 to which is attached in any suitable manner a plurality of transversely disposed reinforcing straps 3. The base 2, at one end thereof is provided with a transversely extending cleat 4, and as shown, the said base is provided with a vertical standard or support 5 having its lower end engaged with the cleat 4 and braced to the base 2 by brackets or the like 6.

Upon the front face of the standard 5, whereby is meant the side adjacent to the main portion of the base and near the upper end of said standard, is secured a breast plate 7 formed with a vertical socket 8, open at its upper and lower ends and having a laterally extending housing 13 connected therewith. The socket 8 accommodates a vertically slidable arm 9 in one side of which are formed a plurality of teeth 10 constituting a ratchet bar, said ratchet bar being engaged by a spring actuated bolt 12 seated in the housing 13 and having a projecting stem 21 provided with a button or thumb

piece 22 whereby it may be conveniently withdrawn against the tension of the spring or otherwise manipulated to disengage it from the ratchet bar. The teeth of the latter are upwardly beveled so that the bolt will serve to hold the ratchet bar against downward movement while said ratchet bar may be readily moved in an upward direction, the beveled faces of the teeth engaging the correspondingly beveled face of the bolt to force the latter outward against the tension of the spring when sufficient pressure in an upward direction is applied to the ratchet bar.

The ratchet bar or arm 9 is provided at its upper end with a forwardly extending portion 14 having a downturned terminal 15 which is spaced from the body of the ratchet bar with reference to which it lies in approximately parallel relation. Firmly secured upon the depending portion 15, by means of fastening devices, such as rivets 16, is a sack supporting band or hoop 17 upon the outer face of which a plurality of small sack engaging hooks 18 are firmly secured; the band or hoop 17 is reinforced by a stiffening strip or member 19 firmly secured adjacent to the upper edge thereof and preferably extending around approximately three-fourths of its perimeter; owing to the use of this stiffening member the hoop may be constructed of relatively light sheet metal or other material.

The use of the improved sack holder will be readily understood. When it is desired to fill a sack, the upper edge of said sack is placed in engagement with the hoop 17 whereby the mouth of the sack is expanded; the mouth of the sack is secured upon the hooks 18. After the sack has thus been adjusted upon the hoop, the latter may be adjusted vertically to permit the arm of the sack to be suitably supported upon the base of the device, movement of the hoop in a downward direction necessitating only a simple manipulation of the spring actuated bolt 12, while movement in an upward direction is practically unobstructed.

In the modified form of the device shown in Fig. 3, the band or sack supporting element designated 23, is provided with an annular flaring mouth 24 to facilitate the filling of the sack.

It will be seen that the vertical socket 8 which is formed upon the breast plate 7, said socket being open at its upper and lower

ends, is so formed that the upper edge of its front wall lies in the path of the forwardly extending portion 14 of the ratchet bar 9, forming a stop, whereby the downward movement of said ratchet bar and the parts carried thereby is limited; thus, by simply pulling the thumb piece 22 of the spring-actuated bolt 12 after the bag has been filled, the ratchet bar with its related parts will drop by gravity until the part 14 strikes the upper edge of the front wall of the socket, thereby supporting the ratchet bar and its attached parts while the bag is being removed and another bag is placed in position for filling. It will also be seen that the strain will be upon the solid forwardly projecting integral portion 14 of the ratchet bar and not upon any loosely attached part or member, thus insuring strength and rigidity of the device.

I claim:

In a device of the class described, a suitably supported standard, a breast plate secured thereupon and having a vertically dis-

posed socket open at its upper and lower ends and provided with a laterally extending housing communicating therewith, a ratchet bar vertically movable in the socket and having at its upper end a forwardly extending integral portion with a downturned terminal, a hoop secured upon the terminal and thereby spaced from the ratchet bar and socket, said hoop being equipped with a plurality of hooks, and a spring-actuated bolt fitted in the socket, engaging the ratchet bar and having a thumb piece at its outer end; the upper edge of the front wall of the socket upon the breast plate being disposed in the path of the forwardly extending integral portion at the upper end of the ratchet bar.

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

JOHN RIX.

Witnesses:

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H. I. DURESS.