

No. 756,337.

PATENTED APR. 5, 1904.

M. DERRIG.
BARREL HOLDER.

APPLICATION FILED SEPT. 17, 1903.

NO MODEL.

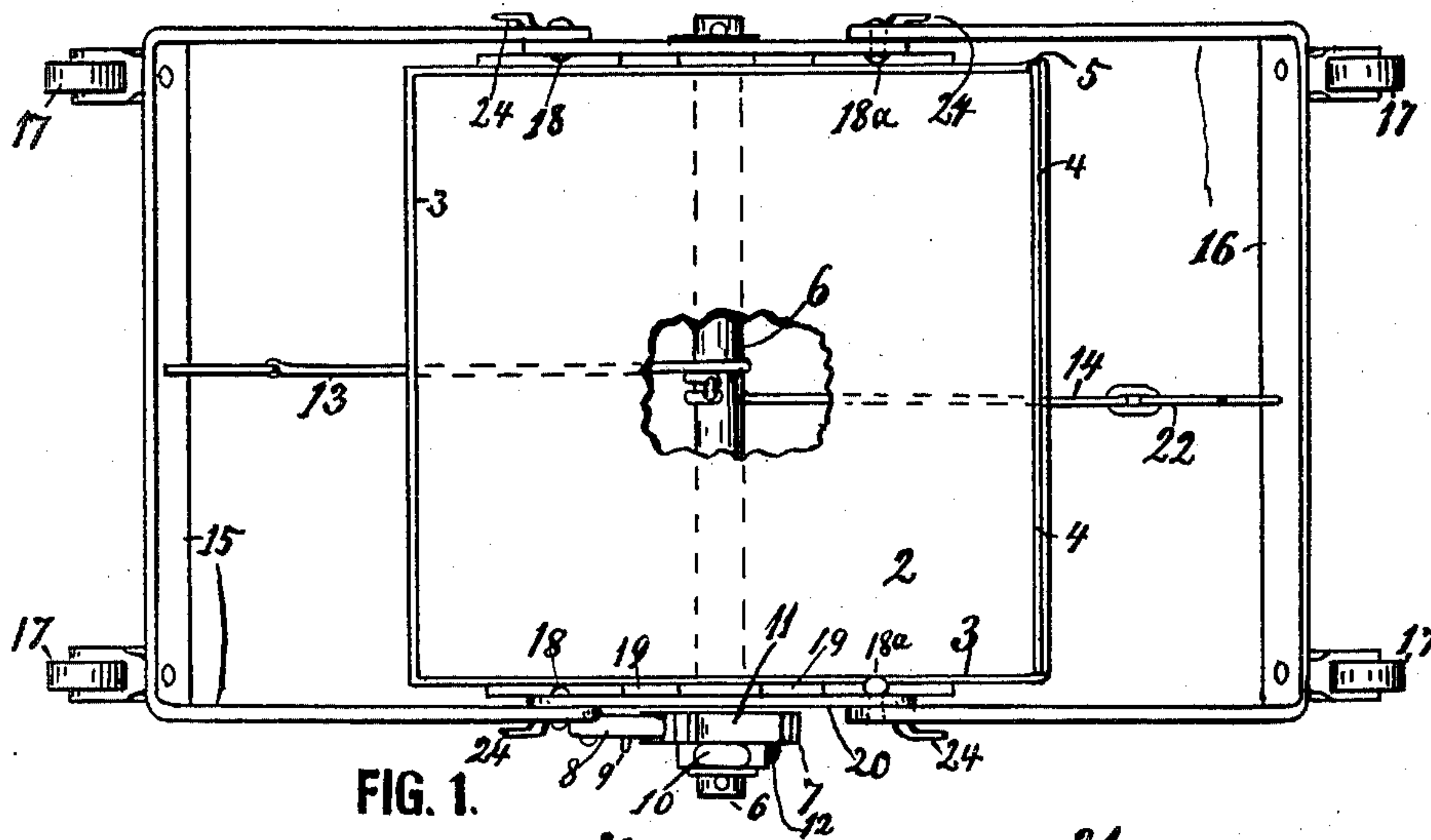


FIG. 1.

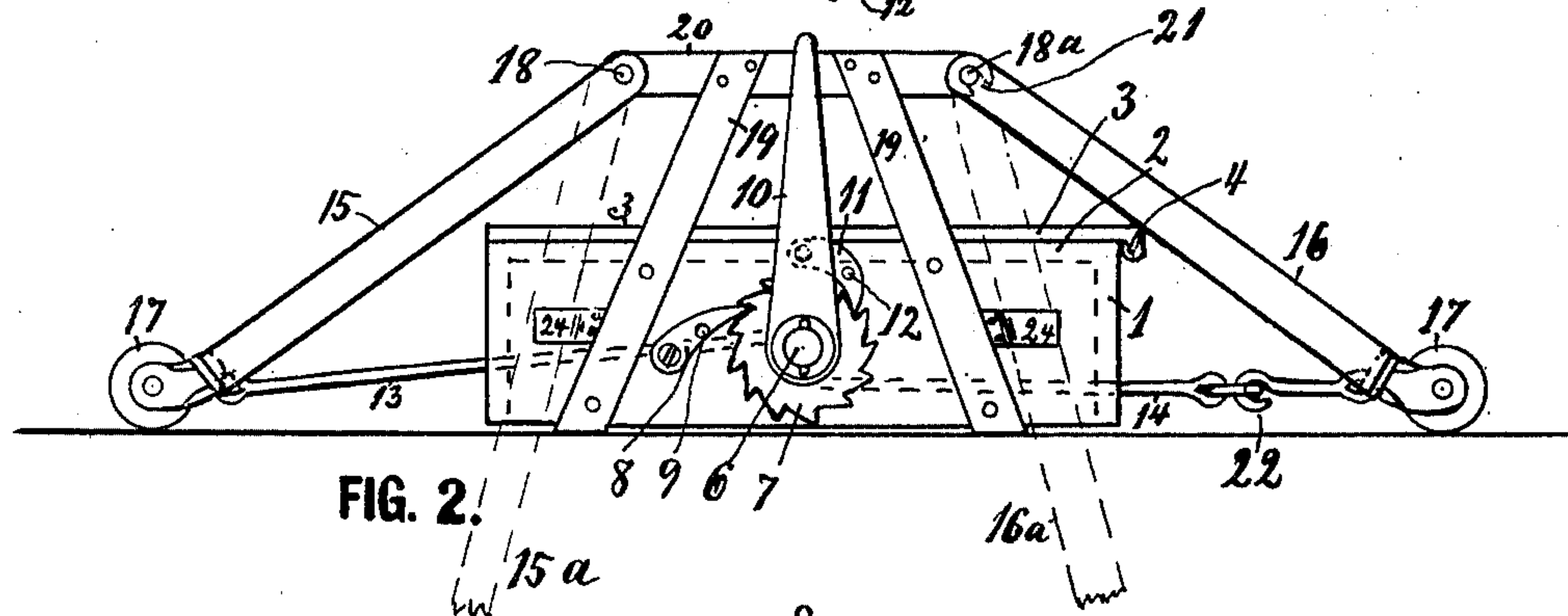


FIG. 2.

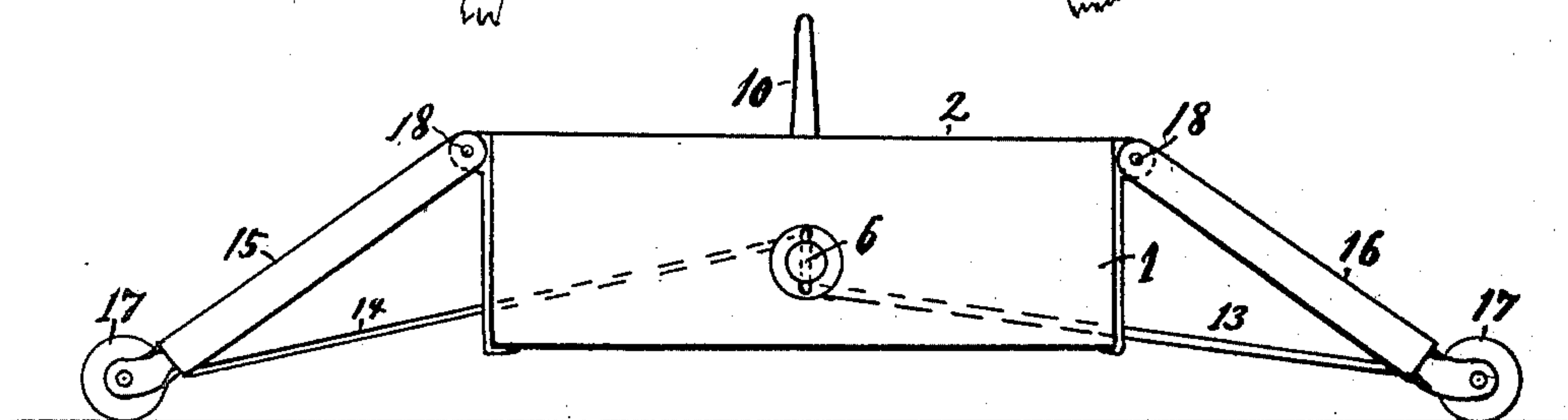


FIG. 3.

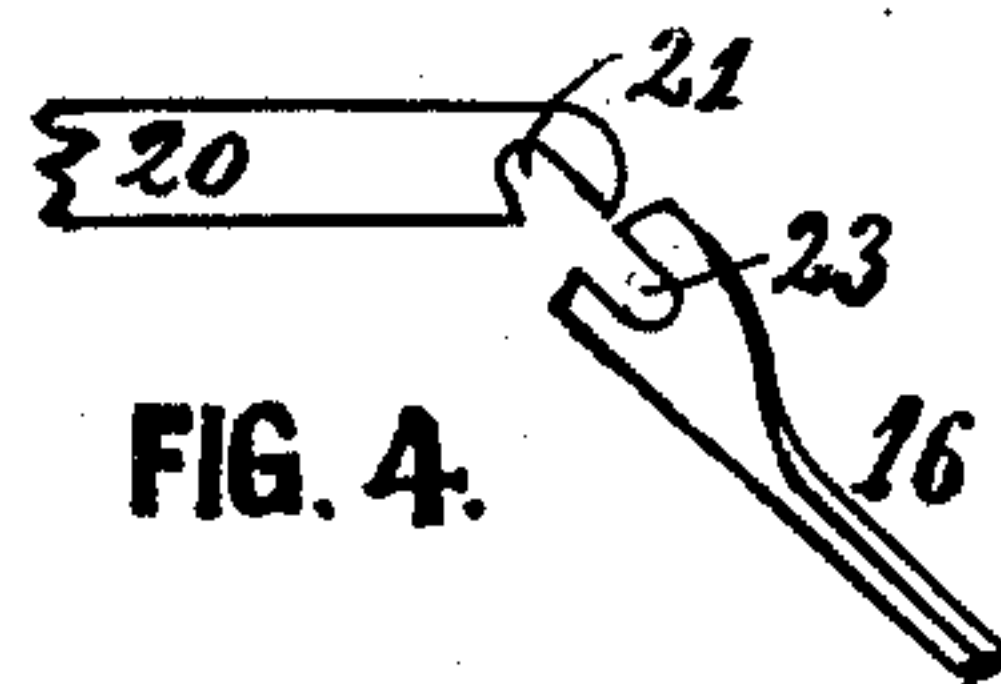


FIG. 4.

WITNESSES:

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MICHAEL DERRIG, OF MAPLETON, NORTH DAKOTA.

BARREL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 756,337, dated April 5, 1904.

Application filed September 17, 1903. Serial No. 173,631. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL DERRIG, a citizen of the United States, residing at Mapleton, in the county of Cass and State of North Dakota, have invented certain new and useful Improvements in Barrel-Holders; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in means for lifting, moving, and holding elevated heavy articles like stoves, boxes, and barrels.

I will for shortness call the device a "barrel-holder," because it will be mostly used in retail stores for elevating and holding elevated barrels of syrup, oils, and the like while their contents are being tapped out and sold.

In the accompanying drawings, which form a part of this specification, Figure 1 is a top or plan view of my newly-constructed barrel-holder with a portion cut out in the middle, so as to view the parts below the platform. Fig. 2 is a front side elevation of Fig. 1. Fig. 3 is a rear side elevation of a modified form of the device, and Fig. 4 is a detail view of a modified form of a separable joint in the upper end of some of the legs of the device.

Referring to the drawings by reference-numerals, 1 represents a box-like frame open at the bottom and closed at the top by a platform 2, upon which is secured a shallow sheet-metal pan 3, having one edge bent downward over the edge of the platform and formed into a grooved guide 4, so that any leakage from a barrel placed on the platform will be gathered by the pan and by the guide 4 conducted out at the spout 5 and run into the measure or other vessel placed under the spout. In the frame is journaled a horizontal shaft 6, provided at one end with a fixed ratchet-wheel 7, engaged by a dog 8, pivoted upon the side of the frame and having a finger-hold 9, by which it may easily be disengaged when the shaft is to turn in reverse

direction, so as to lower the frame and platform, as will presently be fully described. Upon the shaft is further loosely journaled a hand-lever 10, carrying a dog or pawl 11, also engaging the ratchet-wheel, and is provided with a pin or finger-catch 12, by which to disengage it. Near the middle of the shaft are wound upon it two ropes, chains, or cables 13 14, of which the outer ends are connected with U-shaped legs 15 16, each provided with a pair of casters 17, adapted to roll on the floor and facilitate the elevating of the frame as well as its turning in any direction. In a common form of the device the legs are pivoted with their upper ends at 18, near the upper corners of the frame or platform, as in Fig. 3; but in the preferred form, Figs. 1 and 2, the joints 18 are brought higher up than the platform by securing to the main frame the upwardly-projecting metallic frames 19 20, in which the pivots 18 are permanently inserted in the left side of the machine, while to the right the pivots 18^a are fixed in the arms of the frame 16 and placed loosely into the gaps 21 of the frame-bar 20, so that the leg or double leg 16 may easily be detached therefrom as well as from the hook 22, forming connections with the cable, and moved out of the way while the barrel or other heavy article is being placed upon the platform, after which the leg 16 is replaced, and the lever 10, shaft 6, and the cables are used to elevate the platform and its frame by pulling the legs 15 16 toward each other until they occupy about the position indicated in dotted lines 15^a 16^a in Fig. 2, resting in the keepers 24, secured upon the frame. The platform is lowered by its own weight when the dogs are disengaged alternately, so that the legs spread gradually, controlled by the hand-lever 10.

In Fig. 4 is shown how, instead of the pivot 18^a in Fig. 2, the leg 16 may be twisted and formed with a crutch 23, engaging in the notch or gap 21 of the frame-bar 20.

The frame 1 and platform 2 thereon may also be considered as a single element and called the "platform." This part of the device may be made much lower in proportion than shown in the drawings. It much depends on

the heavy or light work the machine is intended for, as also on the height of the frames 19 20 when the latter are used.

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

1. In a device of the class described, the combination of a platform with a low frame supporting it, a horizontal shaft journaled about centrally in the frame, U-shaped legs pivoted with their upper ends near the corners of the platform and having their lower ends provided with casters and adapted to spread to an incline position upon the floor, cables or chains connecting the lower parts of the legs with the shaft, so as to close the legs to a vertical position by the turning of the shaft, and suitable means for turning and for holding the shaft with more or less of the cables wound thereon and the platform and its frame at different elevations.

2. In a device of the class described, the combination of a platform with a low frame supporting it, a horizontal shaft journaled about centrally in the frame, U-shaped legs pivoted with their upper ends near the corners of the platform and having their lower ends provided with casters and adapted to spread to an incline position upon the floor, cables or chains connecting the lower parts of the legs with the shaft, so as to close the legs to a vertical position by the turning of the shaft, and suitable means for turning and for holding the shaft with more or less of the cables wound thereon and the platform and its frame at different elevations, one of said legs being readily detachable from the device, for the purpose set forth.

3. In a device of the class described, the combination of a platform with a low frame supporting it, a horizontal shaft journaled about centrally in the frame, U-shaped legs pivoted near the corners of the platform and having their lower ends provided with casters, cables or chains connecting the lower parts of the legs with the shaft, so that the legs may be closed from an outwardly-spread to a vertical position by the turning of the shaft, and suit-

able means for turning and for holding the shaft with more or less of the cables wound thereon and the platform and its frame at different elevations, and a metallic pan covering the platform and having along one edge a groove lower than the pan and open at one end so as to gather and conduct to a certain point any liquid spilt on the platform.

4. In a device of the class described, the combination of a platform with a low frame supporting it, a horizontal shaft journaled in the frame, U-shaped legs pivoted near the corners of the platform and having their lower ends provided with casters, cables or chains connecting the lower parts of the legs with the shaft, so as to close the legs to a vertical position by the turning of the shaft, and suitable means for turning and for holding the shaft with more or less of the cables wound thereon and the platform and its frame at different elevations, and the keepers 24 to steady the legs.

5. In a device of the class described, the combination of a main frame and platform secured upon the same, frame-arms projecting from the main frame above the platform at two opposite sides of same, two pairs of legs having casters at their lower ends and their upper ends pivotally connected with the said frame-arms above the platform so as to spread with their lower ends one pair from the other, a cable extending from each pair of legs in under the platform, a shaft journaled in the main frame and serving as a drum to wind the cables upon and thereby close the legs inward from a spread to a more or less upright position, a ratchet-wheel secured on the shaft, a pawl or dog pivoted on the frame and engaging the wheel, and a hand-lever pivotally placed on the shaft and carrying an operating pawl or dog engaging the said wheel.

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

MICHAEL DERRIG.

Witnesses:

WALTER W. SMALL,
ROBERT C. LESTER.