

(No Model.)

S. B. HILTON & W. H. MONAHAN.

BARREL ROLLING IMPLEMENT.

No. 454,042.

Patented June 16, 1891.

Fig 1

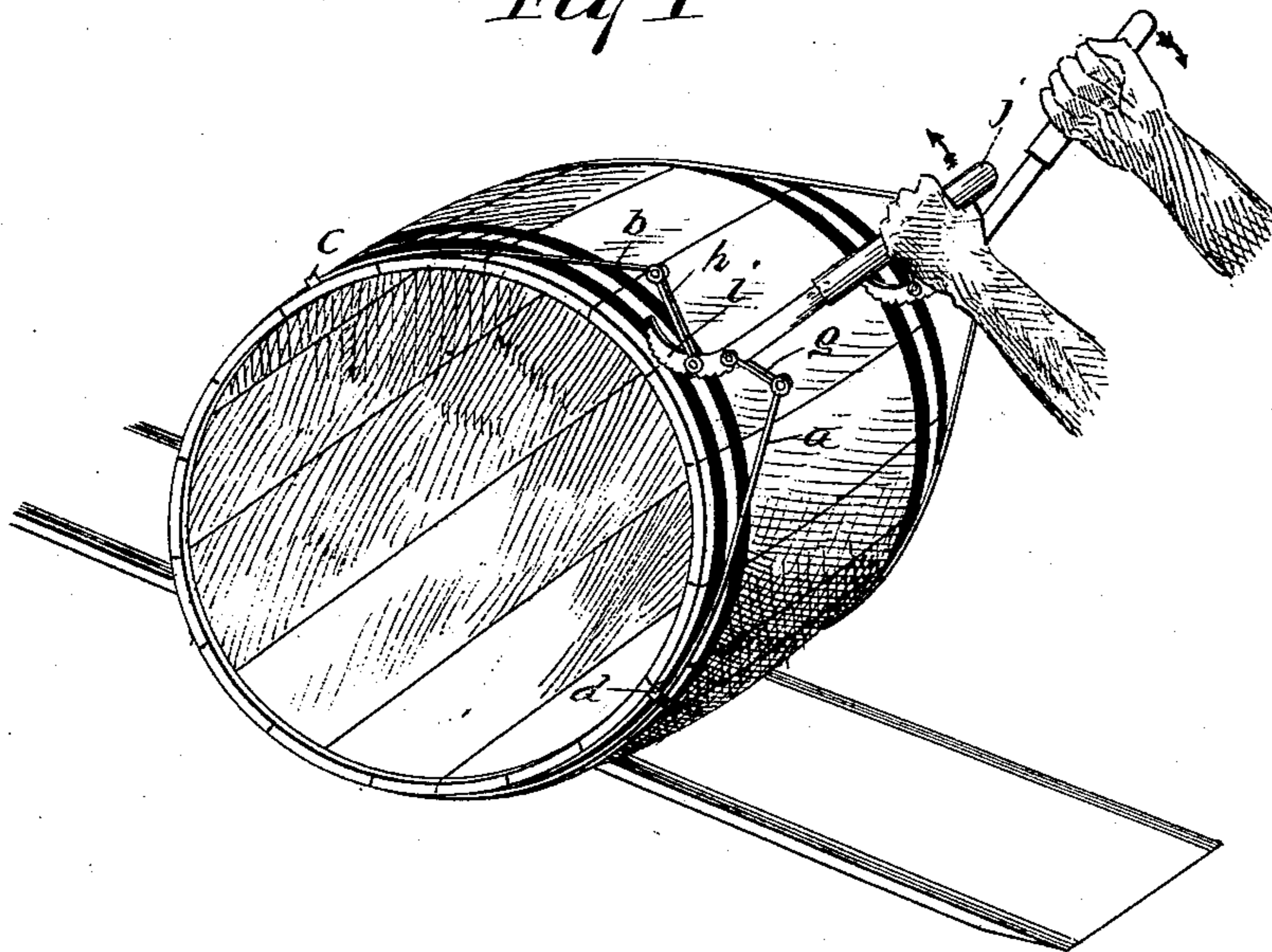
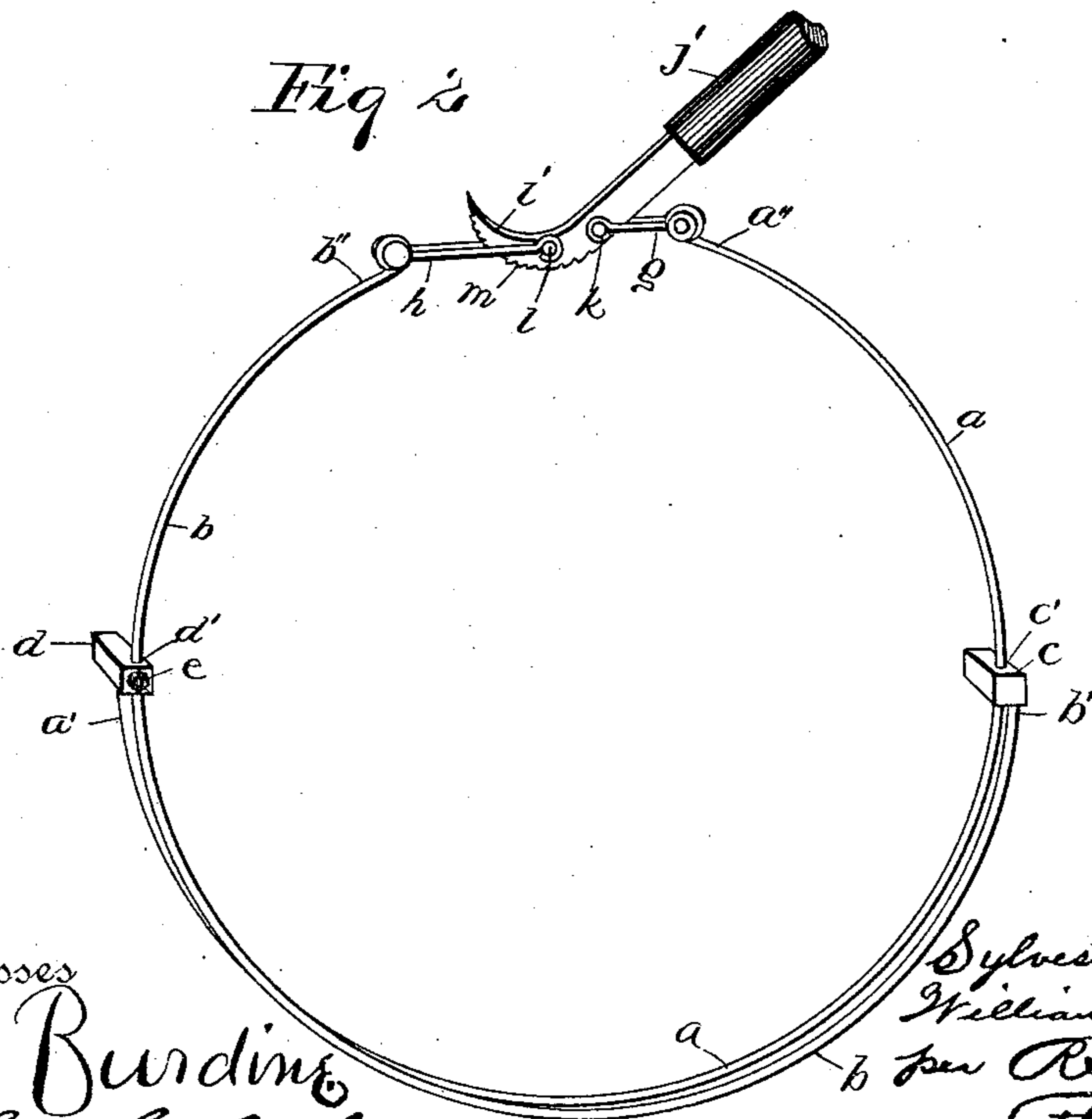


Fig 2



Witnesses
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UNITED STATES PATENT OFFICE.

SYLVESTER B. HILTON AND WILLIAM H. MONAHAN, OF OLEAN, NEW YORK.

BARREL-ROLLING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 454,042, dated June 16, 1891.

Application filed January 6, 1891. Serial No. 376,912. (No model.)

To all whom it may concern:

Be it known that we, SYLVESTER B. HILTON and WILLIAM H. MONAHAN, citizens of the United States, residing at Olean, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Barrel-Rolling Implements; and we do hereby 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.

Our invention relates to a device for rolling barrels and other packages of cylindrical form which is handy and simple, and which enables the easy rolling of barrels from place to place, and especially up an inclined plane, without the handling thereof; and it consists in the peculiar combination of a lever with a frame, as will be hereinafter described, and then particularly pointed out in the claims.

In the accompanying drawings, Figure 1 represents a perspective view showing the device in use. Fig. 2 represents a perspective view of the device alone.

The frame is composed of two oppositely-curved flexible straps or wires *a b*, which are so connected and arranged as that they will form a contractible or expansible circular frame. The ends *a' b'* of the straps or wires are connected to each strap or wire by means of slide-blocks *c d*, secured to said ends, and in which the ends may be seated, as shown, said blocks being provided with holes *c' d'*, through which the straps or wires *a b*, respectively, loosely pass. By this construction in moving the slide-blocks *c d* the straps or wires will move relatively to each other and the frame made to fit any size of barrel.

The straps or wires are held from movement by means of the screw *e*, which takes into a screw-threaded opening in the slide-block *d* and engages the strap or wire *b*. To the ends *a'' b''* of the straps or wires *a b* links *g* and *h* are respectively pivoted, and the latter are pivoted at their inner ends to the curved foot *i* of a lever *j* by means of the pivots *k* and *l*, respectively, passing therethrough. The convex side of the curved foot *i* is provided with teeth or serrations *m*.

When a package is to be rolled up an in-

clined plane, two of the devices are preferably used, as shown, one at each end, and they are operated alternately in opposite directions, so that while the teeth of one of the levers are active to enable that lever to cause the package to move the teeth of the other lever are inactive to permit that lever to be returned to operative position.

In operation, when the device is placed on the barrel, as shown in Fig. 1, the forward movement of one of the levers will cause the teeth to bite into the barrel and the frame to tightly grasp the barrel, so that it may be rolled, and the return movement of the other lever will disengage its teeth from the barrel, so that the frame may be slipped around, ready for another grasp and forward movement.

What we claim as new is—

1. The herein-described barrel-rolling implement, the same comprising a strap or wire frame adapted to encircle the barrel, and a lever pivotally connected with the ends of said strap or wire frame by means of pivots transverse of the frame, said lever operating in substantially the same plane as the frame and being adapted to engage the barrel at its inner end, whereby said frame is adapted to be contracted to tighten around and grasp the barrel, as and for the purpose explained.

2. The herein-described barrel-rolling implement, the same comprising a contractible and expansible frame adapted to encircle the barrel, links pivoted to the frame, and a lever pivoted to the links, substantially as set forth.

3. The herein-described barrel-rolling implement, the same comprising two oppositely-curved straps or wires, slide-blocks connected to each wire and provided with holes through which the wires loosely pass, a set-screw for engaging one of said wires and holding the wires in adjustable position, and a lever pivoted to the links, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

SYLVESTER B. HILTON.
WILLIAM H. MONAHAN.

Witnesses:

WILLIAM V. SMITH,
HORACE H. L. BEARDSLEY.