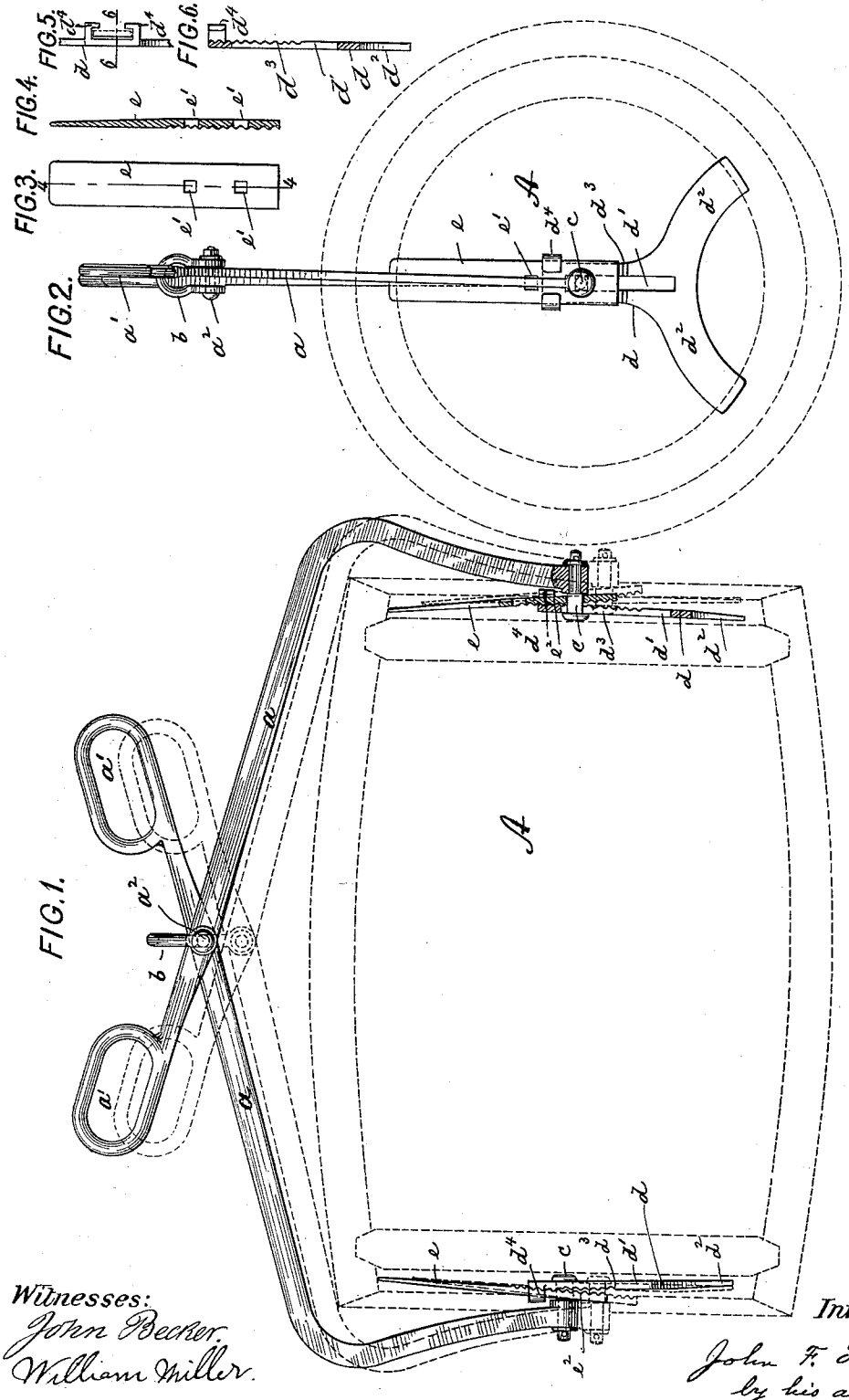
No. 649,480. Patented May 15, 1900.

J. F. REILLY.

BARREL LIFTER.

(Application filed Jan. 25, 1900.)

(No Model.)



Witnesses:
John Becker.
William Miller.

Inventor:
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by his attorneys
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN F. REILLY, OF NEW YORK, N. Y.

BARREL-LIFTER.

SPECIFICATION forming part of Letters Patent No. 649,480, dated May 15, 1900.

Application filed January 25, 1900. Serial No. 2,703. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. REILLY, a citizen of the United States, and a resident of New York city, county and State of New York, have invented certain new and useful Improvements in Barrel-Lifters, of which the following is a specification.

This invention relates to an improved lifter adapted to grasp kegs and barrels and permit them to be lowered into basements or to be otherwise transported.

By my invention kegs of different sizes may be readily secured to and detached from the hoisting-rope, so that the labor connected with their manipulation is greatly reduced.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, of my improved barrel-lifter. Fig. 2 is an end view thereof; Fig. 3, a detail face view of the upper jaw *e;* Fig. 4, a longitudinal section on line 4 4, Fig. 3; Fig. 5, a plan of the lower jaw *d* with the ends broken off; and Fig. 6, a longitudinal section of said jaw on line 6 6, Fig. 5.

The letters *a a* represent a pair of tongs provided with handles *a'* and adapted to grasp a keg or barrel A. A bail *b*, hung on the pivot a^2 of the tongs, is adapted for the attachment of the hoisting-rope, by means of which the tongs, together with the keg grasped thereby, may be lowered or raised. At its lower end each tong-arm is perforated for the reception of a pin or pivot *c*, upon the inner ends of each of which are mounted a pair of jaws *d e*. The lower jaw *d* is provided with a longitudinal slot *d'*, that receives the pivot *c*, and at its lower end with a pair of weighted feet d^2, that tend to hold the jaw normally in an upright position. The upper jaw *e* is grasped by a sleeve d^4 of the lower jaw and is provided with one or more perforations *e'* for the reception of the pivot *c*. I prefer to have a number of perforations *e'* in jaw *e*, so that the apparatus may be set to kegs or barrels of different diameters. It will be seen that the lower jaw can slide along the upper jaw and that owing to the weighted base of the latter both jaws will maintain an upright position. Corrugated inner contact-faces d^3 e^2 on the jaws tend to bind them in position.

In use the tongs are spread to straddle the barrel and are then drawn slightly upward, so that the upper edges of the jaws *e* engage underneath the chimes at the top of the barrel. The lower jaws *d* will now by gravity drop until their feet d^2 engage underneath the chimes at the bottom of the barrel. In this way the barrel is grasped firmly at each end and may be safely lowered by the rope. When the tongs are to be disengaged, the rope is slackened to withdraw the jaws *e* and permit the tongs to be opened sufficiently to clear the barrel.

It will be seen that by my invention kegs and barrels may be readily grasped and transported, so as to greatly lessen the labor heretofore connected with their manipulation.

What I claim is—

1. A barrel-lifter composed of a pair of tongs, and a pair of jaws connected to each of the tong-arms, one jaw being adapted to slide along the other jaw, substantially as specified.

2. A barrel-lifter composed of a pair of tongs, and a pair of jaws connected to each of the tong-arms, the lower jaw being weighted at its lower end and adapted to slide along the upper jaw, substantially as specified.

3. A barrel-lifter composed of a pair of tongs, a suspending-bail, and a pair of jaws pivoted to each of the tong-arms, the lower jaw having a longitudinal slot and a divided lower weighted end, and being adapted to slide along the upper jaw, substantially as specified.

Signed by me at New York city, county and State of New York, this 24th day of January, 1900.

JOHN F. REILLY.

Witnesses:
WILLIAM SCHULZ,
F. V. BRIESEN.