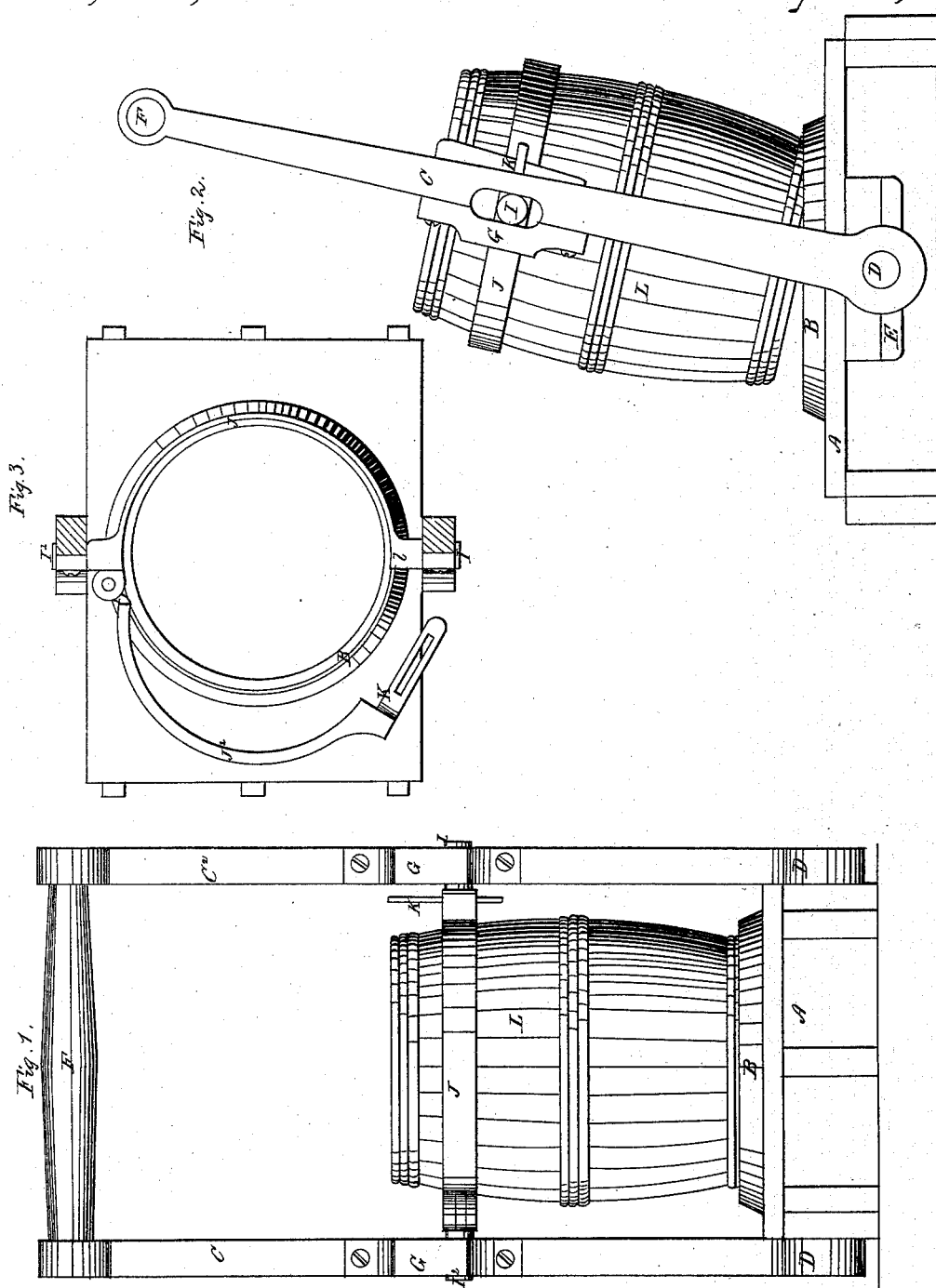


T. Burns,
Fruit Packer,
No 47,253, *Patented Apr. 11, 1865.*



Witnesses

L. J. Doane
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Inventor
Thos Burns
by Arthur Doane Atty

UNITED STATES PATENT OFFICE.

THOMAS BURNS, OF WILLIAMSBURG, NEW YORK.

IMPROVEMENT IN BARREL-PACKERS.

Specification forming part of Letters Patent No. 47,253, dated April 11, 1865.

To all whom it may concern:

Be it known that I, THOMAS BURNS, of Williamsburg, in the county of Kings and State of New York, have invented, made, and applied to use a new and improved machine for packing barrels and other vessels for dry substances and fluids; and I do declare the following to be a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view of my improved machine for packing barrels; Fig. 2, a view of my improved machine, showing barrel in position to be packed; Fig. 3, detached view of clamp J.

In the drawings like parts of the invention are designated by the same letters of reference.

The nature of my invention consists in the construction and operation of an improved machine for packing barrels and other vessels, as hereinafter fully described.

To enable those skilled in the arts to make and use my invention, I will speak of its construction and operation.

A shows a platform of wood or any suitable material for supporting the operating parts of my improved machine.

B is a flange projecting above the platform A to retain the barrel to be packed in position when the machine is in operation.

C C² show side levers pinned upon the shaft D, which shaft D vibrates in the boxes E upon the under side of the platform A. These levers *d d*² are connected together at their top ends by the cross piece F.

G G² show open slots formed by the levers C C² and caps H H², in which slots the journals I and I² play when the machine is in operation. These journals I and I² may be provided with friction-rollers, if desirable.

J shows the clamp for holding the barrel or vessel to be packed while the machine is in operation. This clamp J is formed of a semicircular plate of metal, *j*, provided with the journals I and I², to which semicircular plate of metal is hinged a second semicircular plate

of metal, *j*², which second semicircular plate of metal, *j*², is provided with the slotted key-bolt *k*, passing into the slot *l* upon the journal I.

K shows an elongated key inserted in the slotted key-bolt *k*, which key K holds the clamp firmly round the barrel to be packed.

L shows the barrel to be packed placed upon the platform A within the flange B, and having the clamp J passing round its upper portion, the clamp J being adjustable to different-sized barrels.

The barrel to be packed is placed upon the platform A within the flange B. The clamp J is passed round the same and the key K is inserted in the slotted key-bolt *k*. Motion is imparted to the levers C C² by or through the cross-piece F, and these levers C C², and the shaft D to which they are attached, vibrate, by which vibrating movement the journals I and I² (to which the clamp J is attached) are thrown up and down in the elongated slots G G², carrying with them the clamp J, causing a rocking motion to be given to the barrel held and carried by the same, by which rocking motion the substances intended to be packed in the barrel are thoroughly, expeditiously, and economically packed.

My improved machine may be driven by hand, or, when desired, a connecting-rod may be attached to the cross-piece F and power employed.

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

1. Giving to the barrel the rocking motion, substantially as shown, for the purpose specified.

2. In combination with the flanged platform A, levers C C², provided with the elongated slots G G², the adjustable clamp J, when the same shall be combined and operated, substantially as and for the purpose specified.

THOS. BURNS.

In presence of—

A. SIDNEY DOANE,
C. O. GORDON.