

E. J. Biederman,

Fruit Packer.

N^o 81,062.

Patented Aug. 18, 1868.

Fig. 3.

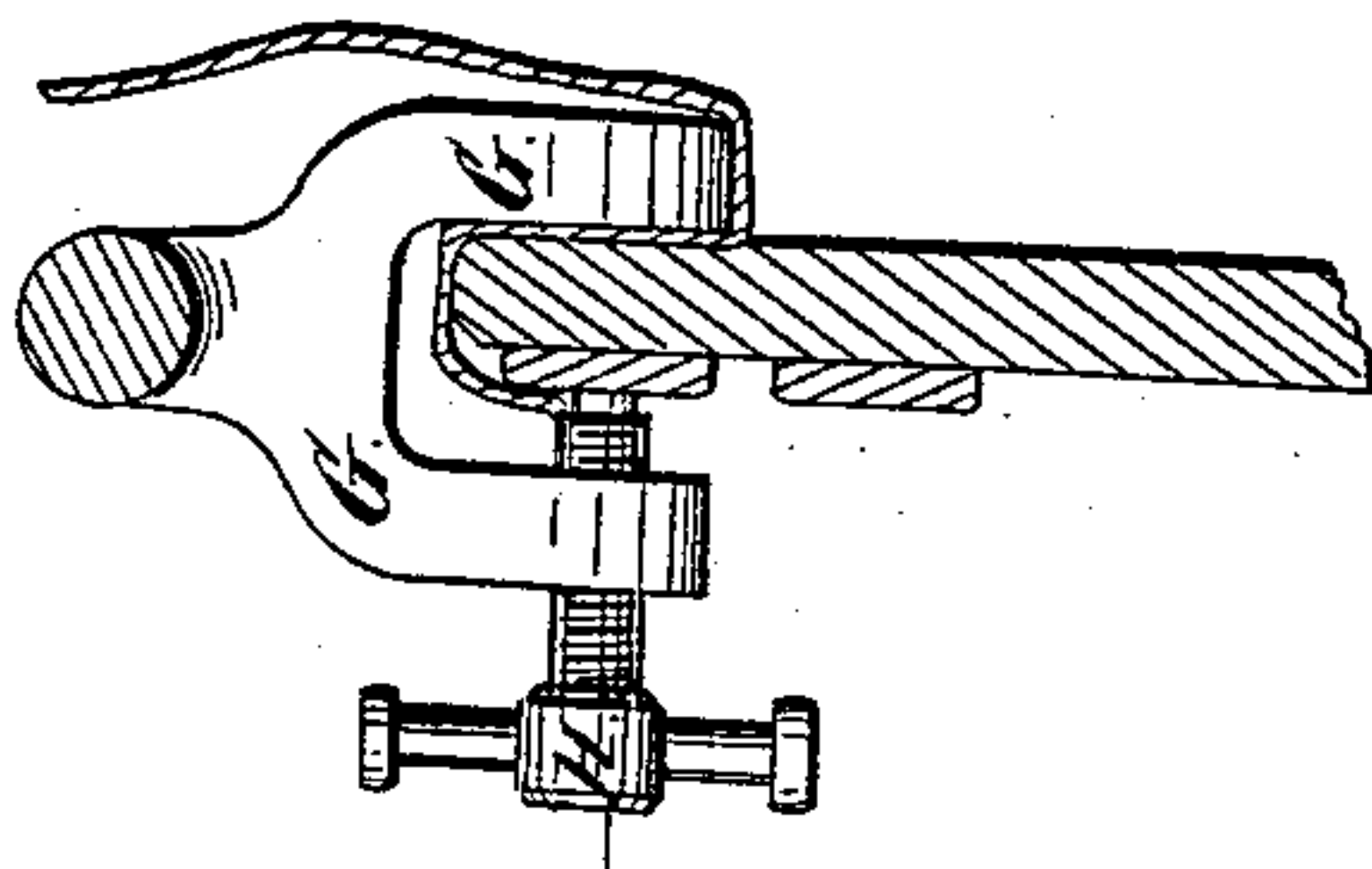


Fig. 1.

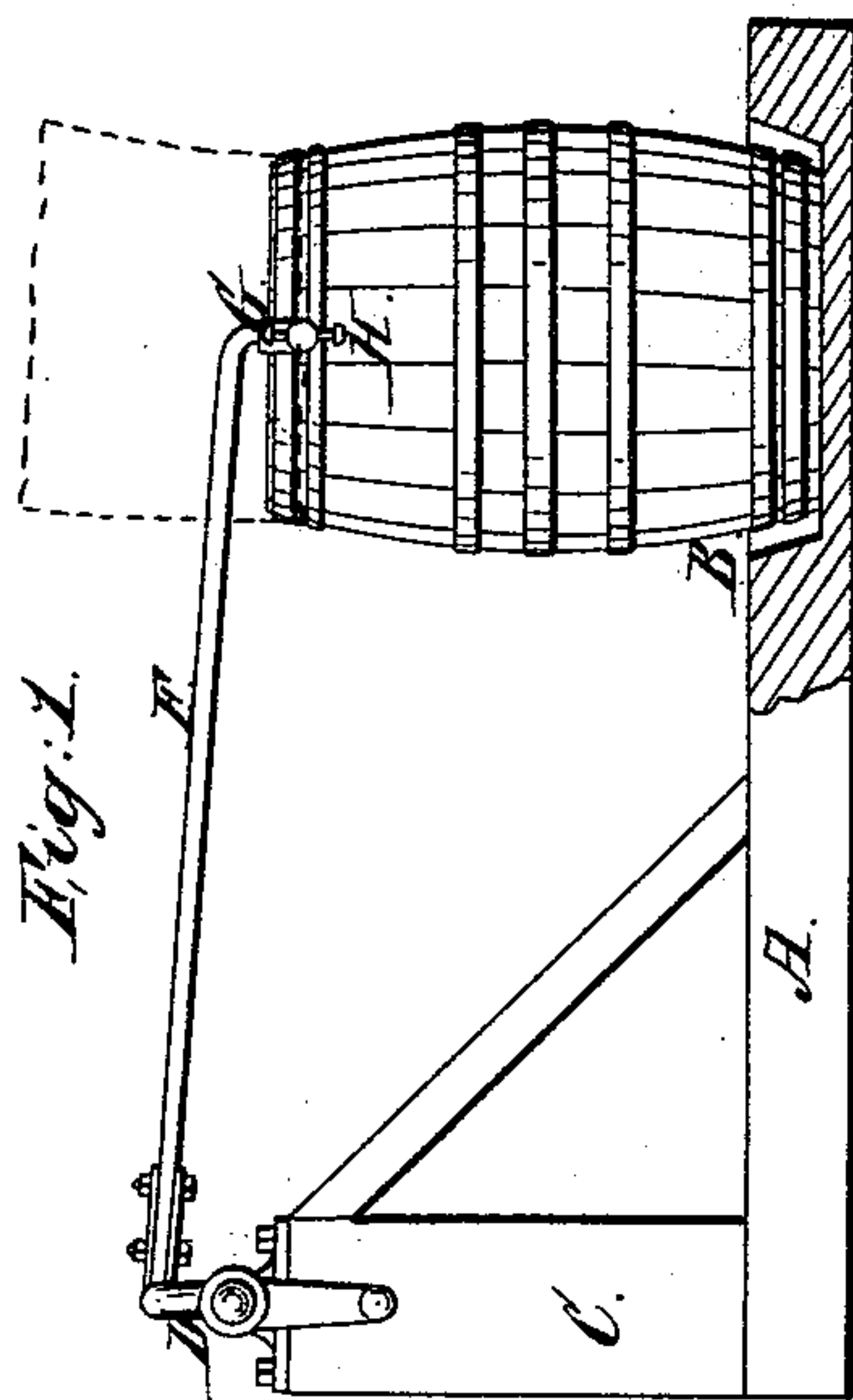
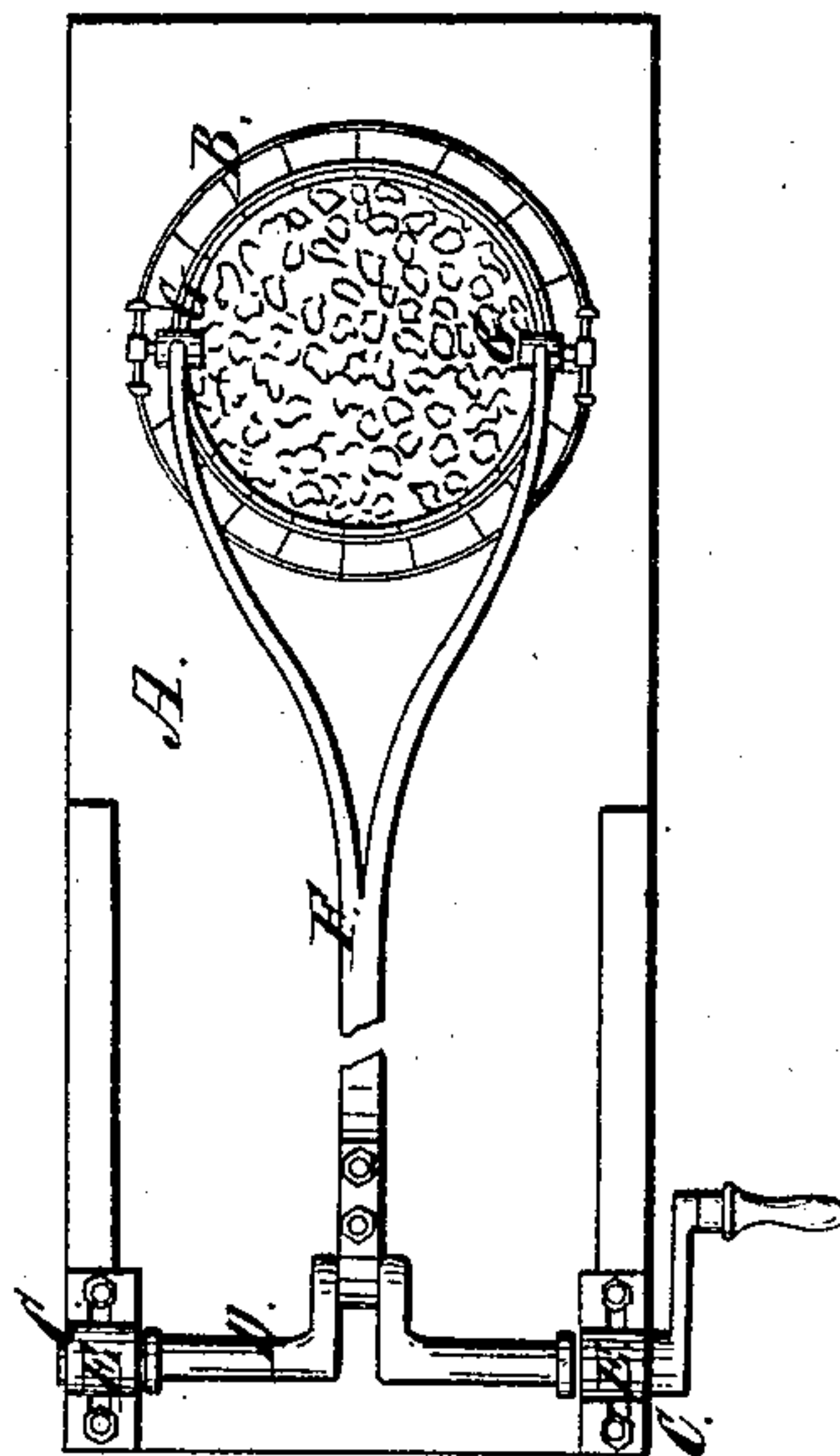


Fig. 2.



Witnesses:

G. S. Harding
A. Pockley

Inventor:

Ed. J. Biederman

United States Patent Office.

EDWARD J. BIEDERMAN, OF BROOKLYN, NEW YORK.

Letters Patent No. 81,062, dated August 18, 1868.

SUGAR-PACKER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDWARD J. BIEDERMAN, of the city of Brooklyn, county of Kings, and State of New York, have made certain new and useful Improvements in Devices for Packing Sugar and other similar matters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents a side elevation of my invention.

Figure 2 is a top view of the same.

Figure 3 is a detached end view of the clamp, shown on natural scale.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to have a more ready and simple operating and less expensive device for shaking the sugar-barrel while it is being filled and packed than those heretofore known or used.

In this device, the barrel rests in the cavity of the bed-plate or platform of the machine, and by means of a forked bar, with a screw-clamp on each fork-end, the upper rim of the barrel, with the filling-bag, is tightly clamped on each side, while the single opposite end of the forked bar, being fitted in a crank, receives a reciprocating motion from a crank-shaft resting in bearings upon two upright parts secured upon the platform.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents the bed-plate or platform, which has a cavity, B, in its forward part of sufficient diameter to allow the placing of the barrel loosely in it.

C C are two upright posts, which are fixed permanently in the rearward part of the platform, and may be supported by braces, as shown in fig. 1, secured to the platform.

D is a crank-shaft, resting in bearings, E E, secured upon the parts C C, and

F is a forked bar, which is fitted in the central crank of the crank-shaft. This forked bar F has on its outer ends downward-projecting forked ends or clamps G G, of which each outside lip is provided with a hand-screw, H, so that after the usual sugar-bag, through which the barrel is filled, is placed over the barrel, and the ends G G are placed over the rim of the barrel on each side, the bag with the end of the rim is clamped by means of setting up the screws H H. As soon as the barrel is filled, rotary motion is imparted to the crank-shaft D, which imparts reciprocating motion to the barrels, thereby settling the sugar tightly down and packing it firmly or solidly.

It will be perceived that by means of this device the bag is clamped with the rim of the barrel, and thereby the shaking operation can be done while the barrel is being filled; or immediately after, and no time is lost in the operation while the sugar is to be settled down; and it will be seen that this device is of simple and durable construction, and consequently of little expense for obtaining it.

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

In devices for packing barrels with sugar and other substances, the combination of the forked bar F with clamps G G and screws H H the crank-shaft D and platform A, arranged and operating substantially as and for the purpose herein set forth.

ED. J. BIEDERMAN.

Witnesses:

G. S. HARDING,
R. BOEKLEW.