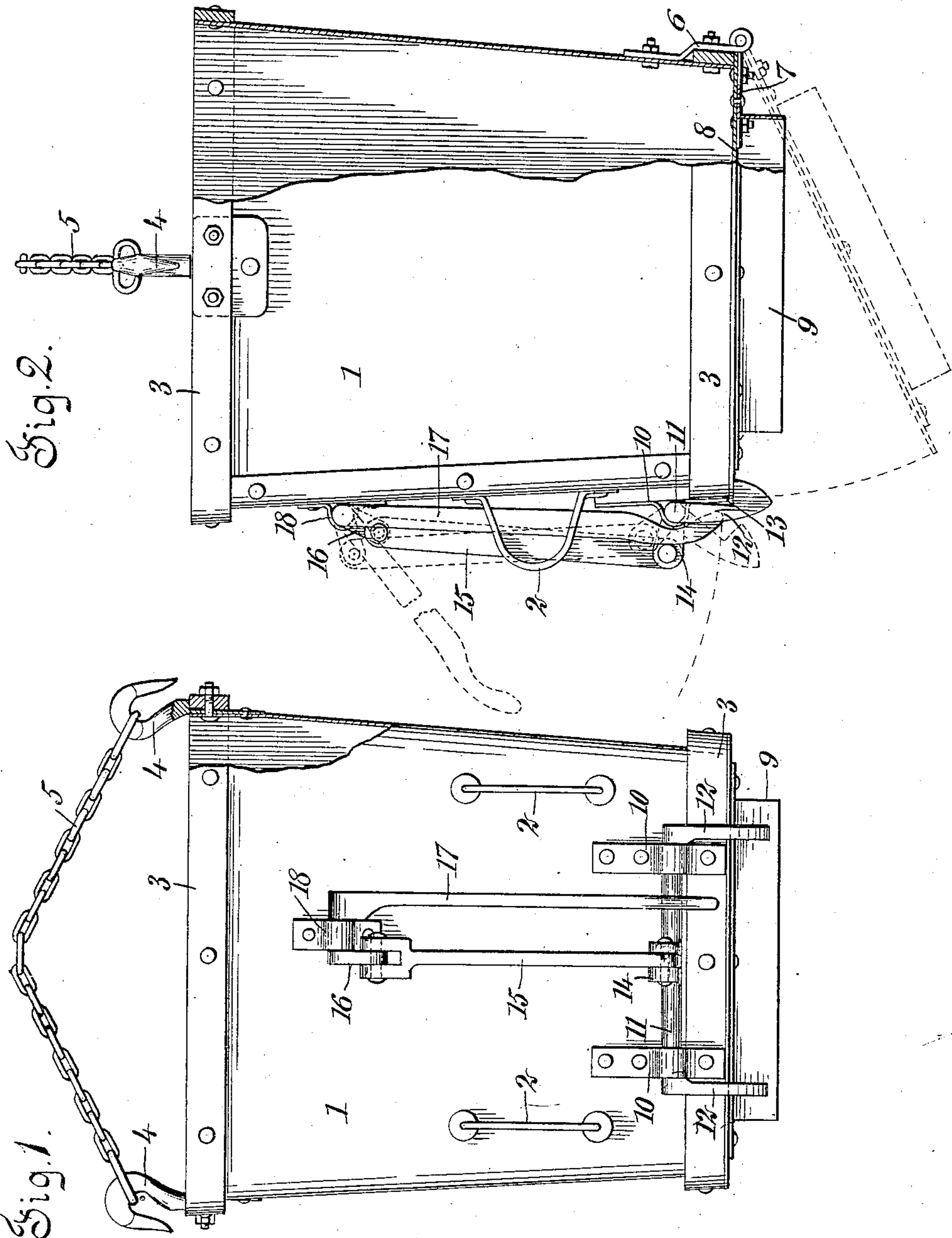


No. 875,520.

PATENTED DEC. 31, 1907.

J. HAMILTON.
DUMPING BUCKET.

APPLICATION FILED MAY 20, 1907.



WITNESSES

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JAMES HAMILTON, OF NEW YORK, N. Y.

DUMPING-BUCKET.

No. 875,520.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed May 20, 1907. Serial No. 374,583.

To all whom it may concern:

Be it known that I, JAMES HAMILTON, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Dumping-Bucket, of which the following is a full, clear, and exact description.

This invention has for its object to provide a dumping bucket, simple in construction, effective in operation, durable in use, and provided with dumping appliances adapted to securely hold and prevent the bottom of the bucket from being opened by accident.

Other objects relating to the specific construction and special arrangement of the several parts of my invention will be understood by the following description and accompanying drawings, in which drawings like characters of reference indicate like parts throughout the views, and in which

Figure 1 is a front view partly broken away, of a bucket embodying my invention; and Fig. 2 is a side elevation partly in section, of the device shown in Fig. 1.

As illustrated in the accompanying drawings, 1 represents a bucket provided on its rear end with handles 2 and on the upper and lower portion thereof with re-inforcing bands 3. Hooks 4 are attached to the upper band 3 and connected with a carrying chain 5. Hinge plates 6 are attached to the back of the bucket, which are pivotally connected with hinge plates 7 attached to the bottom 8 of the bucket, which is provided with a supporting flange 9 secured thereto. Journal bearings 10 are attached to the front of the bucket and support a rock shaft 11 provided with crank arms 12 having notches 13 formed therein, adapted to engage the front edge of the bottom of the bucket and hold it in a closed position. The shaft 11 is provided with outwardly extending crank arm 14 pivotally attached to one end of a link 15, the opposite end of said link being attached to a crank arm 16 of an operating lever 17 which is journaled in a bearing 18 attached to the bucket. When the device is in use and the bottom closed, the parts are arranged, as shown in Figs. 1 and 2. As the lever 17 and its crank arm 16 are raised, however, the link 15 rocks the shaft 11 and releases the keepers 12 from engagement with

the free end of the bottom of the bucket, allowing said bottom to drop as indicated by dotted lines in Fig. 2. The crank arm 16 extends in substantially the same general direction as the operating lever 17, and when the bottom of the bucket is closed said arm not only extends substantially in line with the operating lever 17, but also with the link 15.

When the bucket is in use there is no possibility of the bottom being accidentally loosened so as to dump its contents, for the reason that it requires an upward movement of the operating lever to dump the bottom, and said lever is not affected by striking or rubbing against an object as the bucket is being raised. The ends of the keepers 12 are preferably beveled on their inner edges so as to enable the free end of the bottom to become locked automatically with said keepers when the bottom is raised.

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

1. A dumping bucket provided with a hinged bottom, a rock shaft journaled on said bucket and provided with notched arms adapted to engage the free end of said bottom, and with a crank arm extending laterally from said bucket, an operating lever journaled on said bucket and provided with a crank arm extending in the same general direction as said lever, and a link connecting the crank arm of said lever and the laterally extending arm of said shaft.

2. A dumping bucket provided with a hinged bottom, a shaft journaled on said bucket and provided with notched arms adapted to engage the free end of the bottom of said bucket and with a crank arm extending laterally from said bucket, an operating lever journaled on said bucket and provided with a crank arm extending in the same general direction as said lever, and a link connecting the crank arm of said lever and the laterally projecting arm of said shaft, adapted to extend substantially parallel with said lever when the bottom of the bucket is closed.

3. A dumping bucket provided with a hinged bottom, a shaft journaled on said bucket and provided with notched arms adapted to receive the free end of said bottom, and with an arm extending out laterally from said bucket, an operating lever

5 journaled on said bucket above said shaft,
and provided with a crank arm, and a link
connecting the crank arm of said lever and
outwardly extending arm of said shaft so as
to extend substantially parallel with said
lever when the bottom of the bucket is
closed.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

JAMES HAMILTON.

Witnesses:

JAMES W. HAMILTON.

M. F. CARROLL.