J. BRAISLIN & J. A. WOOD.

BRICK AND TILE LIFTER.

No. 186,303. Patented Jan. 16, 1877.

Fig. 2.

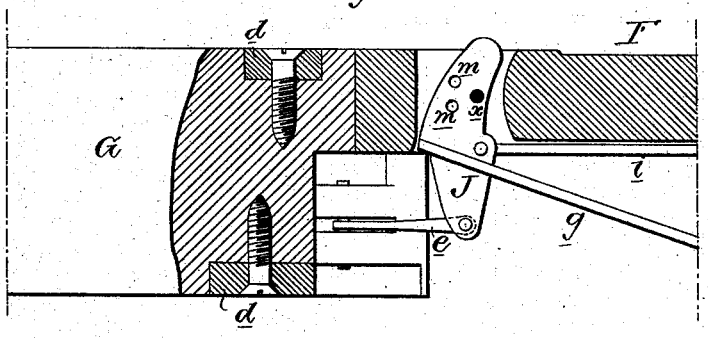
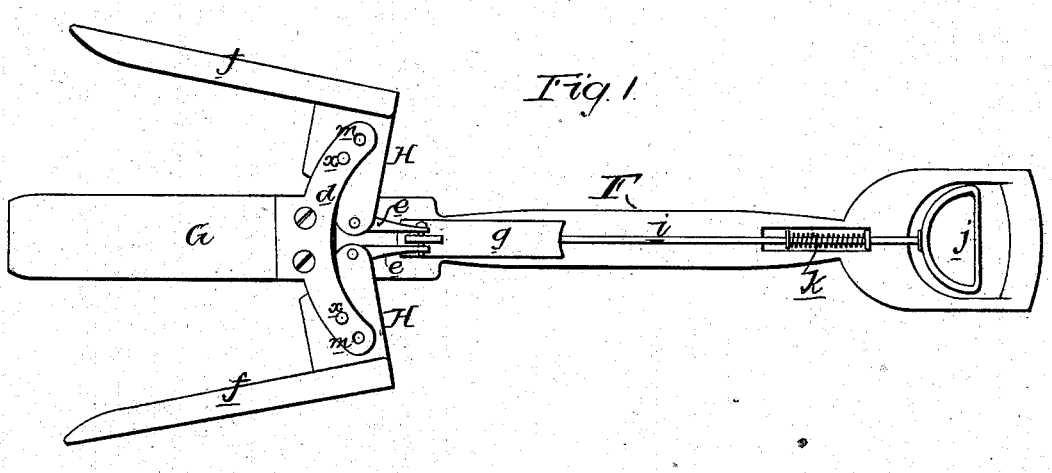


Fig. 1.



Witnesses. Henry Laus, Jr.
Harry Smith

John Braislin
and
James a. Wood
by their Attorneys.
Howson & Howson

N. PETERS. PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN BRAISLIN AND JAMES A. WOOD, OF CROSSWICKS, NEW JERSEY.

IMPROVEMENT IN BRICK AND TILE LIFTERS.

Specification forming part of Letters Patent No. **186,303**, dated January 16, 1877; application filed August 16, 1876.

To all whom it may concern:

Be it known that we, JOHN BRAISLIN and JAMES A. WOOD, of Crosswicks, Burlington county, New Jersey, have invented certain Improvements in Brick and Tile Lifter, of which the following is a specification:

The object of our invention is to construct a device for lifting the bricks or tiles, as they pass from the delivery-die of the machine, without affecting their shape. These objects we attain in the manner which we will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is an inverted plan view of the lifter, and Fig. 2 an enlarged vertical section of part of the same.

Bricks or tiles as they are delivered from the finishing-die of a brick or tile machine are generally so soft that they cannot be directly handled without risk of being indented by the hand, or of falling and being broken. In order to overcome this difficulty our invention has been designed.

In Figs. 1 and 2, F is a stem or handle similar to that of a shovel, and having at the end a central bar, G, to arms *d*, on which are pivoted blocks H, carrying side arms *f f*, projecting on the blocks H, being connected by rods *e* to the long arm of a lever, J, hung to the handle F, and capable of being operated either by pressure upon a finger, *g*, or by pulling upon a rod, *i*, attached at one end to the lever, and provided at the other end with a handle, *j*, a spring, *k*, tending to restore the rod *i* to its normal position, when the handle *j* is released. Both means of operating the lever may be employed at once, if desired.

Both the arms *d* and lever J are provided with a number of openings, *m*, the blocks H and handle F being provided with corresponding openings, so that by shifting the pivoting-pin *x* from one set of openings to another the center of vibration of the lever and blocks H may be changed, and the extent of movement of the side arms *f* governed at pleasure.

By drawing upon the lever J the arms *f* are caused to approach the central bar G, and thus clamp the bricks or other articles between them and the said bar, an even pressure being exerted upon both sides of the bricks or tiles, and the slipping of the same, or injury to their form, thus prevented.

We claim as our invention—

1. A device for lifting and conveying bricks or tiles, in which are combined a central bar, G, and its handle F, and vibrating side arms *f*, as set forth.

2. The combination of the arms *f* and pivoted blocks H with the pivoted lever J.

3. The combination of the pivoted lever J and its finger *g* with the rod *i*, as set forth.

4. The combination of pivoting-pins *x* with the arms *d*, blocks H, lever J, and handle F, each having a series of openings for the reception of said pins, as and for the purpose set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN BRAISLIN. [L. S.]
JAMES A. WOOD. [L. S.]

Witnesses:

AMOS E. MIDDLETON,
REUBEN M. HARTMAN.