

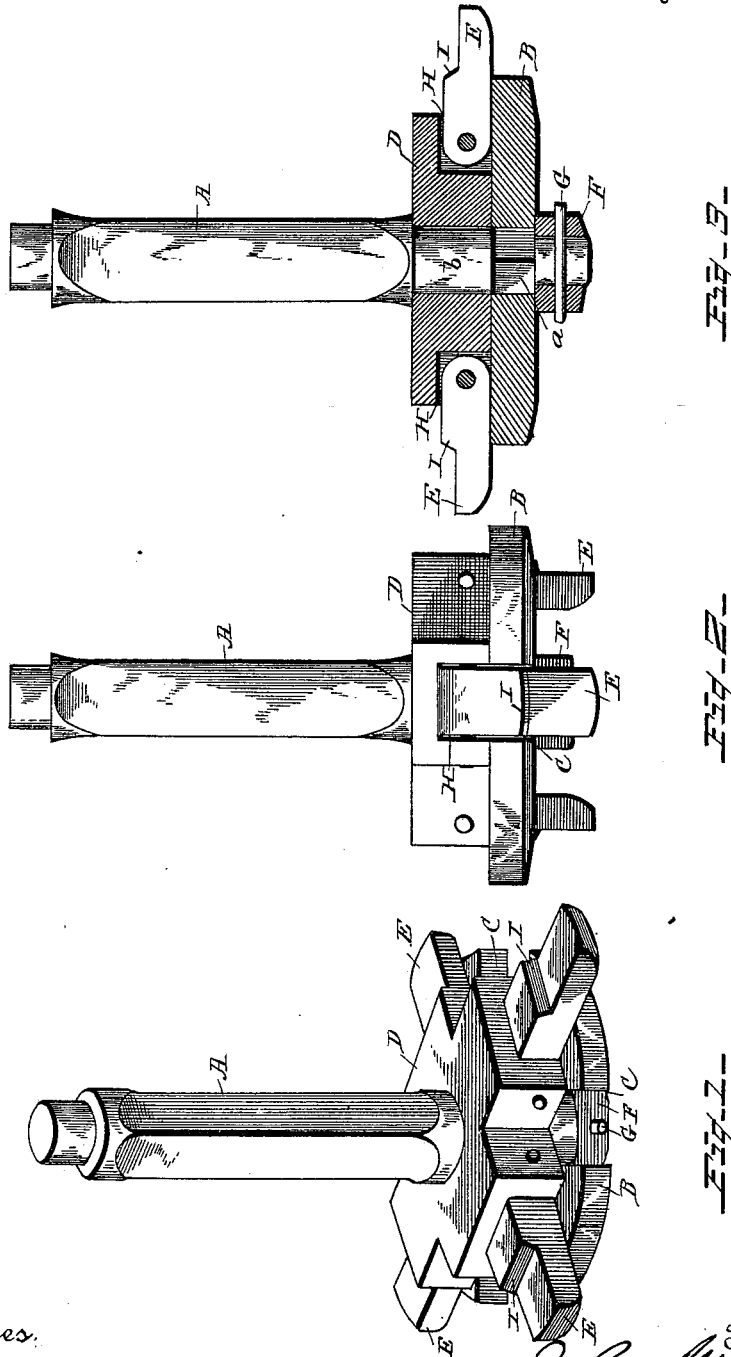
(No Model.)

J. MOSER.

APPARATUS FOR WALLING WELLS.

No. 386,928.

Patented July 31, 1888.



Witnesses,

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UNITED STATES PATENT OFFICE.

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APPARATUS FOR WALLING WELLS.

SPECIFICATION forming part of Letters Patent No. 386,928, dated July 31, 1888.

Application filed March 9, 1888. Serial No. 266,713. (No model.)

To all whom it may concern:

Be it known that I, JOHN MOSER, a citizen of the United States, residing at Perrysburg, in the county of Wood and State of Ohio, have invented certain new and useful Improvements in Apparatus for Walling Wells; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a device for lowering tiles or pipes into wells for setting the same in walling up the well, and has for its object to simplify and improve the means therefor, so that the tile or pipe can be lowered in a certain position and the carrier or table released therefrom without disturbing the position of the pipe or tile, and so that the latter will have the minimum fall or drop when the carrier or table is removed.

To the accomplishment of the foregoing and such other advantages as may result from the construction the invention consists in the construction and the combination of parts hereinafter particularly described and claimed, reference being had to the accompanying drawings, forming a part hereof.

Figure 1 is a perspective with the fingers raised. Fig. 2 is a side elevation showing the fingers dropped. Fig. 3 is a side elevation showing the table and plate in vertical section.

In the drawings, the letter A designates a stem or rod adapted to be connected to any means by which it may be lowered into and raised from a well, and having secured to its lower portion a plate or disk, B, formed with any desired number of slots, C, and also provided above said plate or disk with a table, D, carrying any desired number of pivoted, hinged, or swinging fingers, E, said fingers being sustained in a horizontal position by the disk or plate B when it is under the fingers and allowed to drop or fall when the fingers are opposite to the slots in the disk or plate.

The stem or rod A is formed square or angular in cross-section, as at *a*, so as to receive and secure the plate or disk B to the stem, so

that it will turn therewith. Above this angular portion the stem is round, as at *b*, so that the table D will fit loosely around the same, thus permitting the stem or rod and disk or plate to be turned without moving the table. The table and plate are held to the stem or rod by a nut, F, which may be screwed into the end of the rod or secured thereto by a pin, G.

The circumference described by the fingers E when in a horizontal position will of course be less than the diameter of the well, and the plate or disk will be still smaller, so as to free the tile when the device is being withdrawn.

The fingers E are preferably fitted at one end in the sockets H, formed in the table D, which will form a cover for that end, and will also brace the fingers. The fingers are also formed with shoulders I, which, when the inner face of the tile fits against them, will hold the tile or pipe against lateral movement or slipping.

By having the plate or disk B, and not the table carrying the fingers, revolve in freeing the fingers from the tile or pipe, the pipe will not be moved laterally or turned after letting it down into the well, which under some conditions will prove desirable and an advantage, and, besides, it allows the fingers to be dropped by a simple turning of the stem or rod and dispenses with the necessity of special releasing devices, and by having both the table and plate removable from the stem or rod one size may be substituted for another to suit the diameter of the pipe or well into which it is to be lowered.

In operation the plate or disk is turned so as to bring it under the fingers, and thus hold them in a horizontal position. The device, with the tile resting on the fingers, is now lowered into the well. When the point desired is reached, the stem or rod is turned sufficiently to bring the slots in the plate or disk opposite to the fingers, which drop and swing free from the tile, leaving the tile resting on its permanent support. Owing to the construction of the fingers described the tile has a distance of only about half an inch to drop after the fingers are withdrawn, so that there is no jarring of the tile or danger of chipping or breaking it. After the device is released from the tile, it is lifted to the top of the well

and the operation repeated until the well is walled up.

The device can be used for any purpose to which it is adapted, and is simple in construction, cheap to manufacture, strong and not apt to get out of order, and very efficient for the use intended.

Having described my invention and set forth its merits, what I claim is—

1. The combination of the stem or rod, the plate or disk secured thereto to turn with it, and formed with the slots, and the table fitted loosely thereto to permit the stem and slotted plate to turn about it, and provided with the fingers to drop into the slot when brought opposite to each other, substantially as described.

2. The combination of the stem or rod formed with the angular part *a* and circular part *b*,

the table fitted to said circular part and provided with the swinging fingers, and the plate or disk fitted to the angular part and formed with slots for the passage of the fingers, substantially as described.

3. The combination of the stem or rod, the plate or disk formed with the slots, the table formed with the sockets, and having pivoted therein the fingers adapted to drop into the slots when brought opposite to each other, and means for holding said parts on the stem or rod, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN MOSER.

Witnesses:

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