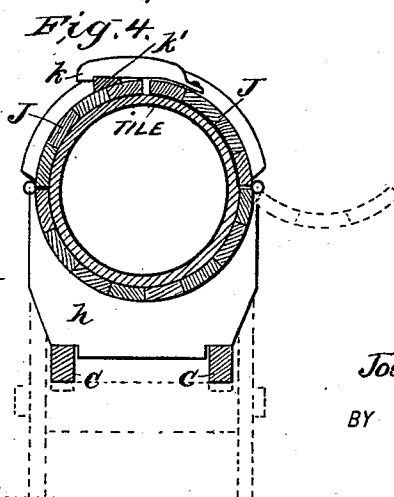
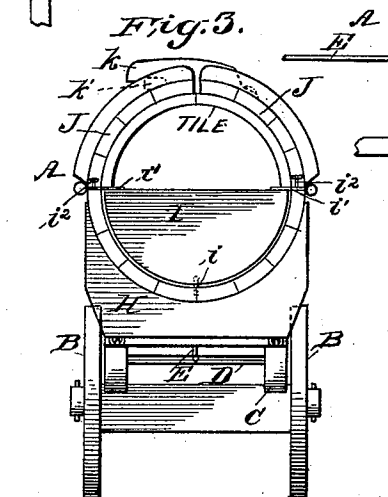
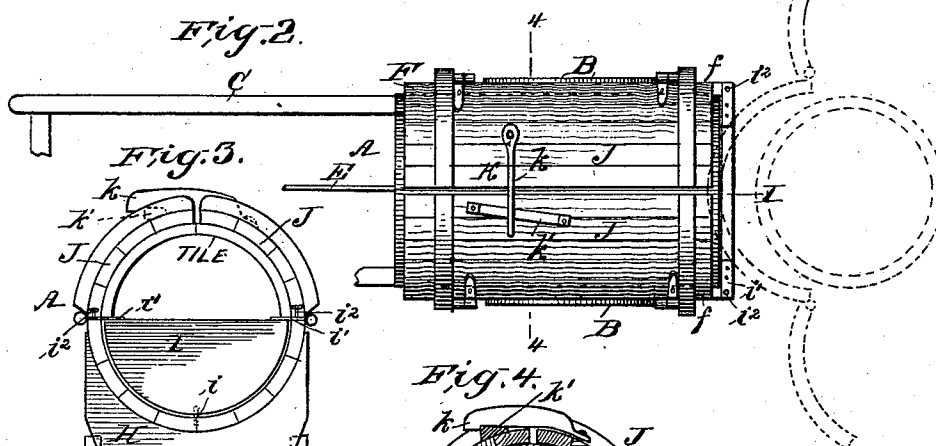
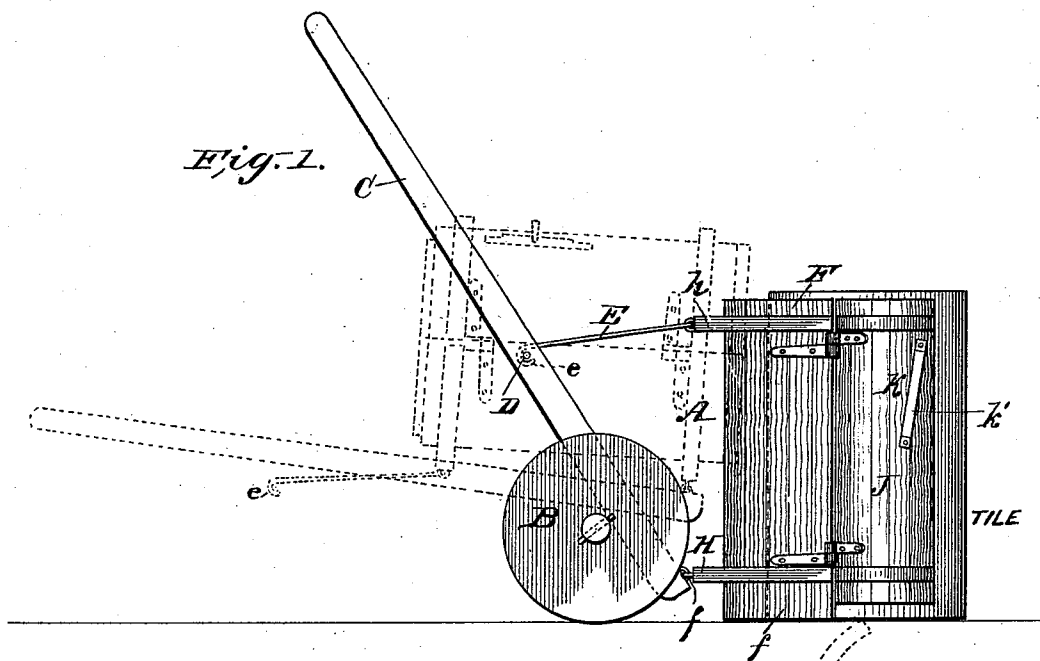


(No Model.)

J. W. BIENZ.
TILE TRUCK.

No. 527,653.

Patented Oct. 16, 1894.



WITNESSES:
Fred G. Dietrich
P. B. Turpin.

INVENTOR
Joseph W. Bienz
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH W. BIENZ, OF ROCKFORD, OHIO.

TILE-TRUCK.

SPECIFICATION forming part of Letters Patent No. 527,653, dated October 16, 1894.

Application filed June 9, 1894. Serial No. 513,990. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. BIENZ, of Rockford, in the county of Mercer and State of Ohio, have invented a new and useful Improvement in Tile-Trucks, of which the following is a specification.

My invention is an improvement in tile trucks and has for an object to provide a simple, easily operated truck adapted to safely carry either green, or dry tile and readily convertible to suit it for one or the other kind of tile and the invention consists in the novel construction, combinations and arrangements of parts as will be hereinafter described and pointed out in the claims.

In the drawings—Figure 1 is a side view of truck. Fig. 2 is a partial top plan view thereof. Fig. 3 is a rear end view and Fig. 4 is a transverse section on about line 4—4 of Fig. 2.

The truck proper A has at one end wheels B and at its other end suitable handles C and is provided between its ends with a rod or other suitable portion D for engagement by the stay rod E. To the truck proper is hinged at one end of the tile cradle or bed and F the other end which may be termed the upper end of the bed is preferably movable toward and from the truck and is limited in its outward movement by a stay which may preferably be as shown a rod E jointed at one end to the bed and having a hook e to engage the rod D of the truck when the bed F is tilted outward to its greatest angle with the truck. The cradle or bed is preferably a semi-cylindrical concave having on its under side near its lower end the flange plate H hinged to the truck frame and having on its under side near its top the flange plate h which bears upon the truck to rest thereon. At its lower end there is provided within the cradle or bed a detachable stop piece I which is used in conveying dry tile and detached when carrying green tile. As shown the stop piece is curved to fit in the concave bed, has a central pin i to fit a socket in the bed and end lugs i' perforated to fit over pins i² on the bed. Thus it will be seen the stop can be easily removed by lifting it out of the bed or if one or both of the pins i² are headed they can be withdrawn to permit the removal of the stop piece.

The removable side pieces J J which are quarter-cylindrical are hinged at their outer

edges to the bed and fit close together at their adjacent edges when closed and are secured together at such edges by means of a latch K formed to clamp the side pieces together and composed of a section k pivoted to one piece J and engaging an inclined or cam like section k' on the other side piece so the latch may be operated to tighten the side pieces upon the tile.

Large tile are usually two feet long and are always set on end after they are cut off at the mill. To handle the green tile the stop piece or bottom should be removed, the side pieces applied and thrown open and the truck run up to the tile, the handles being thrown up so the concave and side pieces forming the drum will embrace the tile. The side pieces should then be closed around the tile, the latch secured, the handles brought down and the tile is loaded and may be readily dumped on end by reversing such operation.

In handling dry tile the side pieces are removed and the stop piece applied to the bed or cradle and the tile loaded thereon and readily unloaded.

It is manifest that by my improved truck large tile whether green or dry can be handled by one man instead of requiring the services of two as is now the case.

In practice by the stay rod E the drum can be held while the truck is being moved, in nearly a vertical position which may be found desirable in handling such green tiles as may be softer than usual.

In handling green tile the latter rests on end and the cradle also rests on end on the floor and is so adjusted and clamped around the tile that it lifts it squarely off the floor without tipping over and in unloading the tile is brought square down so the drum strikes the floor as soon as the tile avoiding any danger of the tile being forced out of shape or otherwise injured.

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

1. A tile truck comprising the truck proper and the cradle or bed hinged at one end to said truck proper and movable at its other end toward and from the same substantially as set forth.

2. A tile truck comprising the truck proper,

the cradle or bed hinged at its lower end thereto and a stay connection between the other end of the bed and the truck substantially as set forth.

- 5 3. A tile truck comprising the truck proper the bed or cradle hinged at its lower end thereto, and the stop piece fitted removably to the lower end of the bed or cradle substantially as set forth.
- 10 4. In a tile truck the combination of the truck proper the bed or cradle hinged thereto, the side pieces hinged to the cradle or bed and latch devices connecting said side pieces substantially as set forth.
- 15 5. A tile truck having a truck proper, a cradle or bed hinged thereto, the side pieces hinged to and detachable from the cradle or

bed and a latch adapted to clamp such side pieces together substantially as set forth.

6. The improved tile truck herein described 20 consisting of the truck proper, the cradle or bed hinged at one end thereto and movable toward and from said truck proper at its other end, the stay rod jointed at one end to the cradle or bed and hooked at its other end, 25 the side pieces hinged to the cradle or bed, the latch by which to connect and clamp said side pieces together and the removable stop piece all substantially as and for the purposes set forth.

JOSEPH W. BIENZ.

Witnesses:

MARTIN WINKLER,
C. H. BIENZ.