

(No Model.)

E. NEW.  
LOADING BARROW FOR BRICK MACHINES.

No. 472,138.

Patented Apr. 5, 1892.

Fig. 1.

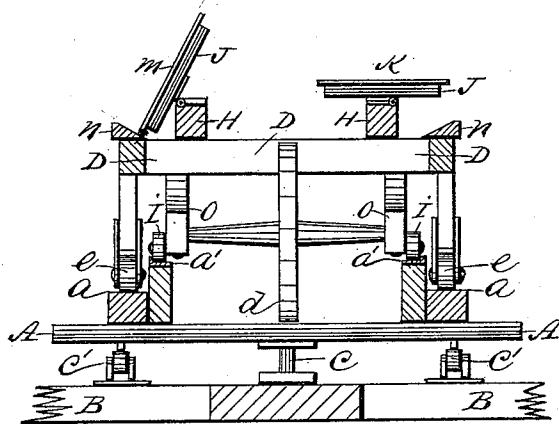
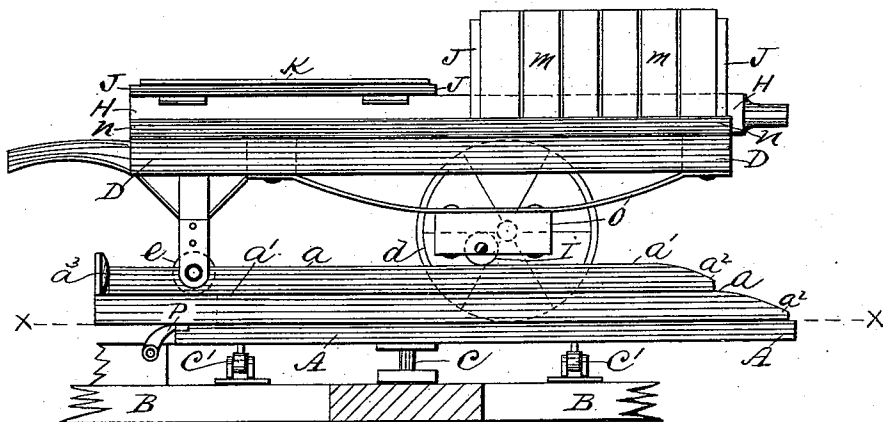


Fig. 2.

Witnesses.  
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# UNITED STATES PATENT OFFICE.

EDWARD NEW, OF HAMILTON, CANADA.

## LOADING-BARROW FOR BRICK-MACHINES.

SPECIFICATION forming part of Letters Patent No. 472,138, dated April 5, 1892.

Application filed July 18, 1891. Serial No. 399,910. (No model.) Patented in Canada May 5, 1891, No. 36,548.

*To all whom it may concern:*

Be it known that I, EDWARD NEW, a citizen of the Dominion of Canada, residing at Hamilton, in the county of Wentworth, in the Province of Ontario, Canada, have invented a new and useful Improvement in Loading-Barrows for Brick-Machines, (for which I have obtained a patent in Canada, No. 36,548, bearing date May 5, 1891,) of which the following is a specification.

My invention relates to improvements in loading-barrows and turn-tables for brick-machines, consisting of a barrow constructed with two or more adjustable hinged leaves or folding boards on each side, each leaf provided with one or a series of pallets for the loading of bricks and carrying of same, and also a turn-table so constructed, arranged, and devised that the barrow may easily be brought into exact position to facilitate the loading of bricks. This is accomplished by both the turn-table and by means of raised tracks on the table suitable to receive the roller-wheels with which the barrow is supplied to enable it to move backward and forward on the said turn-table.

The most important object and chief element in my invention is to provide means to accomplish the loading and carrying from the machine unburned bricks in a speedy and satisfactory manner, and, second, to afford facilities for the proper adjustment of the bricks on the barrow, thus enabling the operator to keep the edges and corners of the bricks uniform and intact. I attain these objects by the device illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a wheel-barrow and turn-table in position. Fig. 2 is a sectional end elevation of the same, showing very fully one of the leaves adjusted on an angle in position to receive the bricks from the machine, and another leaf on the opposite side is shown flat down in position for carrying the bricks when being wheeled.

Similar letters refer to similar parts throughout the two views.

In the drawings, the turn-table is indicated by A and when in operation rotates on its center pin C and rollers C', supported on the frame-work B. The floor of this turn-table is level with the ground, which is denoted by

the broken lines  $x x$ , and upon this table are the raised tracks  $a$  and  $a'$ , lower and upper rounded off at the entrance, (designated as  $a^2$ ), in order to allow the barrow D to enter upon the turn-table freely. It will be perceived that by the construction of the tracks one being lower than the other prevents the barrow from getting out of position sidewise, and as regards the end of the track  $a$  it is provided with a rubber stop  $a^3$ , so that the barrow may go to a certain place on the platform or table and there stop, and to prevent the said table from moving when the barrow is loaded a catch or hook P is applied to the table in the most convenient place, so as to be manipulated by the operator's hand or foot. The said barrow D, besides its own center wheel  $d$ , has small wheels or rollers  $e$  attached to the barrow-legs and the small wheels or rollers I in position, as shown, in close proximity to the common spring-bearing O of large wheel  $d$ . The former rollers  $e$  are arranged to run on the above-mentioned or lower track  $a$  and the latter rollers I to run on the above-mentioned or upper track  $a'$ , and as a consequence of the said small roller-wheels elevation and their lower radii being higher from the ground than the lower radius of said barrow center wheel  $d$  they are free from the ground directly the barrow is wheeled off the turn-table onto the surrounding level ground. The small roller-wheels I prevent the barrow from tipping when being loaded, and are also kept in position on their track by means of metal guards or flanges secured on the said track, these being very important in the loading and manipulation of the barrow. The barrow is also provided with side pieces H and H, running longitudinally with handles, as shown, these handles being at the opposite end of barrow-handles, and to the said pieces H are hinged on their outer sides two or more leaves or folding boards J, their number being regulated according to the number of bricks to be wheeled and to the number of bricks in molds of different machines. Each said leaf is provided with a large pallet K or with a series of pallets  $m$ , as may be deemed most requisite for the purpose set forth.

As shown very clearly in Fig. 2, one leaf or folding board, as seen at an angle, is adjusted to receive the brick from the mold. The

other leaf is shown in position, as before mentioned, for wheeling. N N are longitudinal angle side pieces, which are placed directly underneath to be at right angles to and with the said hinged leaves when they are in position for loading, as seen in Fig. 2 of the drawings.

To these ends my invention chiefly consists in its novel construction, and the combination of its several parts constitute a portable rotary as well as a forward and backward movement. These, combined with the adjustable leaves or folding boards and their pallets, form the principal element in my invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a loading-barrow for brick-machines, the combination of the barrow D, the small roller-wheels *e*, attached to the barrow-legs,

and the roller-wheels I, placed near the center of the barrow on each side thereof, the longitudinal pieces H and N, and the hinged leaves or folding boards J, substantially as described and set forth.

2. In a loading-barrow and turn-table for brick-machines, the barrow D, provided with the roller-wheels *e* and I, the longitudinal pieces H and N, and the hinged leaves J in position, as described, in combination with a turn-table having stop-hook P and provided with a raised track *a*, having rubber stop *a*<sup>3</sup>, and an inner and upper track *a'*, provided with a metal flange to act as guards for the said wheels I, substantially as described and set forth.

EDWARD NEW.

Witnesses:

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