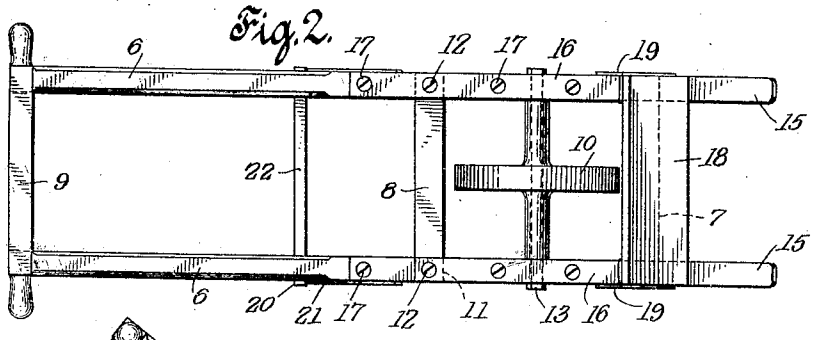
March 9, 1926. 1,575,863

D. OTTAVIANI

SPECIAL TRUCK FOR CEMENT BLOCKS

Filed Oct. 21, 1924

Fig. 2.



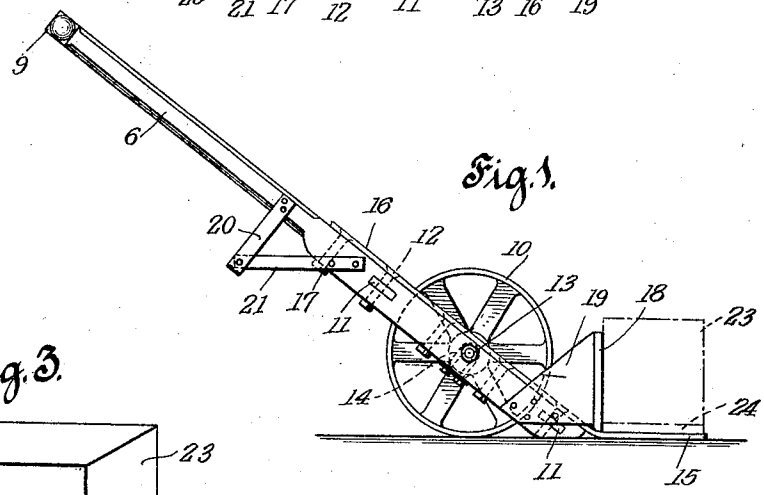


Fig. 1.

Fig. 3.

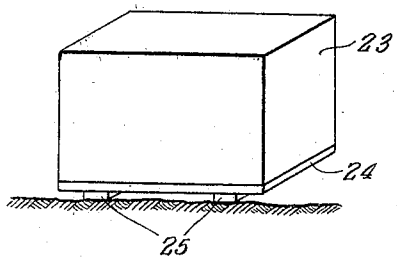


Fig. 4.

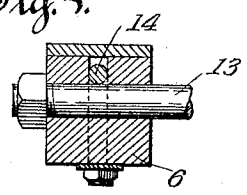
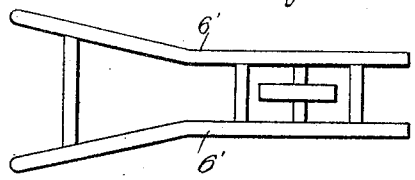


Fig. 5.



INVENTOR

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BY

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Patented Mar. 9, 1926.

1,575,863

UNITED STATES PATENT OFFICE.

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SPECIAL TRUCK FOR CEMENT BLOCKS.

Application filed October 21, 1924. Serial No. 745,017.

To all whom it may concern:

Be it known that I, DOMENICO OTTAVIANI, a citizen of the United States of America, residing at the borough of Brooklyn, county of Kings, city and State of New York, have invented a new and useful Special Truck for Cement Blocks, of which the following is a specification.

Blocks molded of sand and cement are customarily supported on platens while they are allowed to set or harden. These blocks are ordinarily moved by two men using tongs as the blocks have to be handled very carefully. In order to permit one man to handle a block I have devised a special truck by means of which a single person can very readily pick up a block on its platen and move it from place to place with ease.

This truck has a frame provided with a wheel for supporting it and two long arms adapted to be readily inserted beneath the platen on which the block is temporarily supported.

Fig. 1 is a side view of one form of truck embodying the improvements of my invention, showing it in position to lift a block.

Fig. 2 is a plan view of the truck of Fig. 1.

Fig. 3 shows a block supported on a platen.

Fig. 4 is an enlarged sectional view of a detail.

Fig. 5 is a plan view showing a modified frame construction.

The frame consists of side bars 6, 6 connected together by a number of cross bars such as 7, 8 and 9 and is supported by a wheel 10. The cross bars may be secured in the side bars for instance by means of mortise and tenon joints such as 11 and reinforced by bolts such as 12. The wheel 10 may conveniently be mounted upon a bolt 13 which extends through the side bars and through the hub of the wheel. For reinforcing the side bars I may provide U shaped hangers 14.

The arms 15 which project from the front of the frame are preferably integral with reinforcing bars 16 and are preferably of metal and may be bolted to the side bars 6, 6 by means of bolts or screws such as 17. A back plate 18 is mounted on the rear ends of the arms 15 and may be supported by brackets or side plates 19 secured to the back of the plate 18 and to the sides of the bars 6, 6 in any suitable manner.

Supporting legs such as 20 may be provided if desired with braces 21 and a reinforcing cross rod 22 if necessary.

The cement block 23 as above mentioned is usually temporarily supported on a platen 24 usually formed of wood and provided with cleats 25 on the bottom which extend parallel to each other and reinforce the platen and serve to support it elevated a slight distance above the ground. In order to pick up a block before it has hardened it is necessary to engage the platen instead of the block. I therefore proportion and position the parts so that the arms 15 can be readily inserted beneath the platen 24 and alongside of the cleats 25. The thickness of the arms should therefore be somewhat less than the thickness of the cleats and the spacing apart of the arms 15 is preferably somewhat less than the space between the cleats or somewhat greater so that the same truck can be used to pick up different sizes of blocks. When the arms 15 have been inserted beneath the platen the handle end of the frame can be tilted down so as to lift the block from the ground. The block is then supported by the platen and by the plate 18 so that the platen and plate reinforce and support the block and prevent it from being injured while the truck is being wheeled around from place to place.

The form of construction shown with a single wheel is preferred to a two wheel truck since it is much easier to handle and insert the arms beneath the platen particularly on uneven ground. A single wheel truck is also preferable in many cases since on rough ground it is easier to find a suitable trackway or path over which the truck can be wheeled without unnecessary jolting which would tend to crack or injure the uncured block.

It should be understood, however, that modifications of details can be made within the scope of the claim without departing from the spirit of my invention. For instance in Fig. 5 I have shown a modification in which the handle ends of the side bars 6′ are spread apart so that the workmen can

get between them. Although I have shown a construction in which the frame is intended to be made of wood reinforced with metal rods and bars, it should be understood that the material of which the truck is made is immaterial to my invention.

I claim:

A cement block truck comprising side bars, a shaft supported thereby, a single wheel on said shaft midway between said bars, spaced-apart pick-up extensions secured to said side bars and extending forwardly therefrom at an obtuse angle, brackets secured to said side bars and extending upwardly and forwardly therefrom, and a back plate secured to said brackets at right-angles to said extensions and in front of said wheel.

DOMENICO OTTAVIANI.