

No. 741,352.

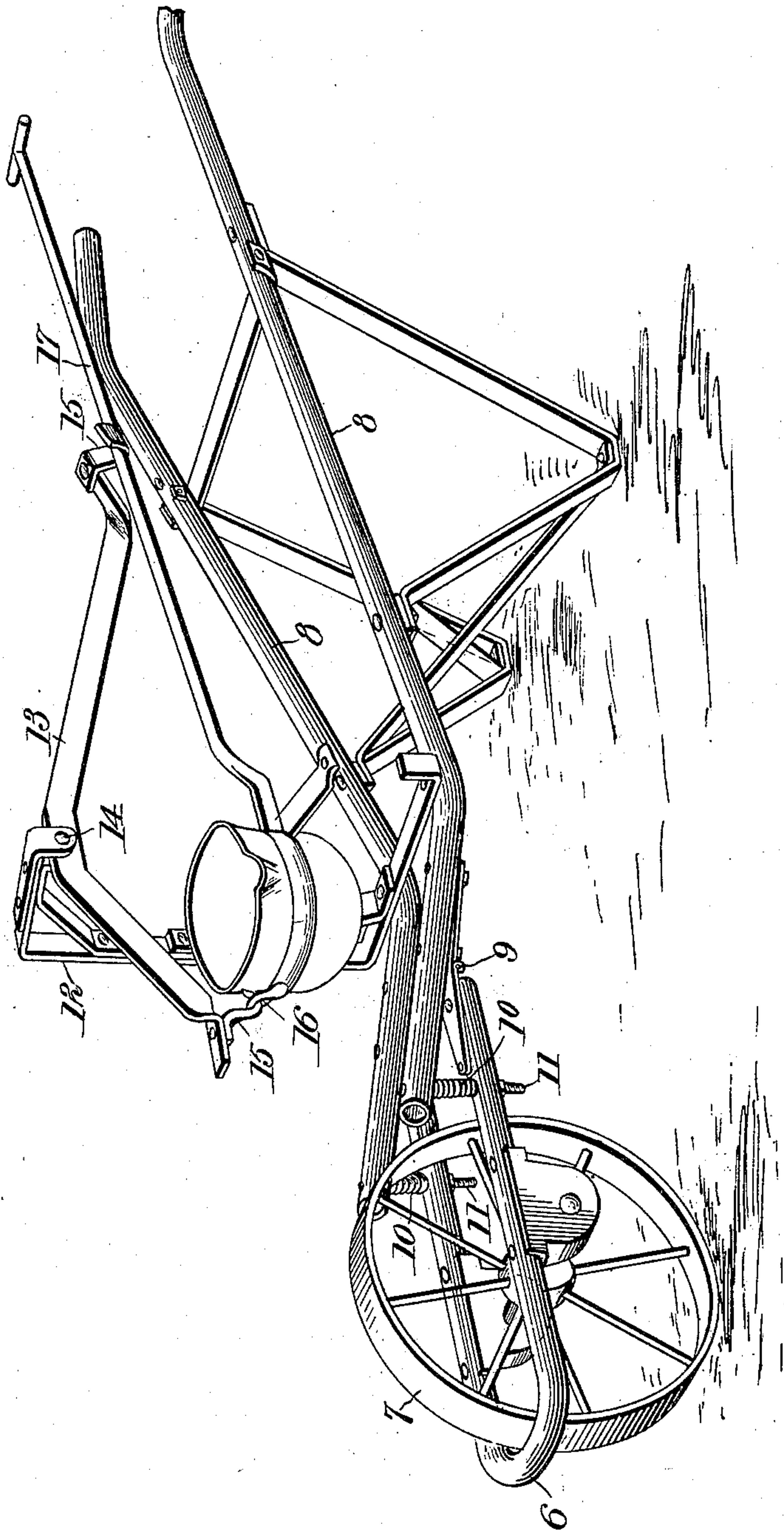
PATENTED OCT. 13, 1903

W. F. & O. E. MAINS.

FOUNDRIY TRUCK.

APPLICATION FILED APR. 7, 1903.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM F. MAINS AND OLIVER ELROY MAINS, OF CLEVELAND, OHIO.

FOUNDRY-TRUCK.

SPECIFICATION forming part of Letters Patent No. 741,352, dated October 13, 1903.

Application filed April 7, 1903. Serial No. 151,473. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM F. MAINS and OLIVER ELROY MAINS, citizens of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Foundry-Trucks; and we do hereby 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 drawing, and to the figures of reference marked thereon, which forms a part of this specification.

This invention comprises particularly a foundry-truck for carrying a ladle of hot metal; and the object of the invention is to obviate the necessity for carrying a ladle by hand from one part of the foundry to the other.

A further object of the invention is to provide a truck in which the ladle will hang from a poised beam, so that it will hang level in all positions on the truck.

A further object of the invention is to form such a truck with a spring-frame to avoid spilling the metal when passing over rough ground or obstructions.

With these and other objects in view the invention is hereinafter described and is illustrated in the accompanying drawing, in which the figure is a perspective view of the truck with a ladle hung thereon.

Referring specifically to the drawing, 6 indicates the wheel-frame, and 7 the wheel journaled therein. This frame is preferably formed of tubing bent around the wheel and is hinged at its rear ends to the handle-frames 8, the hinges being indicated at 9. This permits relative movement of the wheel-frame and handles, which movement is cushioned by springs 10, coiled around bolts 11, which

extend loosely through the handles and wheel-frame and allow the vertical play.

An overhanging post 12 is supported on the handle-bars and carries a poised beam 13, to which it is joined by a pivot at 14. At the ends of the beam are hooks 15, from which the ladle is hung. One of the hooks engages an eye 16 on the ladle-handle and the other engages the shank 17 of the ladle-handle. The post overhangs the middle of the truck, so as to bring the weight at the median line, above the wheel, and the beam in connection with the hooks and ladle-handle form a gimbal-hanger, whereby the ladle will always hang level.

In use the ladle is hung on the beam at the furnace whence it may be wheeled to the molds without danger of spilling either from tilt of the truck or unevenness of the ground. The pivotal hanging connection accommodates the former and the cushioned frame takes up vibration due to the latter.

What we claim as new, and desire to secure by Letters Patent, is—

1. A ladle-truck comprising a one-wheeled frame, a pair of handles connected thereto, a post supported thereon, and a swinging hanger hung from the post and having means to engage a ladle.

2. A ladle-truck comprising a wheeled frame, a cushioned frame hinged thereto at one end and having handles at the other end, a post thereon, and a poised beam hung from the post, having hooks at the ends to engage a ladle.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM F. MAINS.

OLIVER ELROY MAINS.

Witnesses:

JOHN A. BOMMARDT,
LOTTIE NEWBURN.