V. WEIDLINGER.
WEIGHING MECHANISM FOR BARROW TRUCKS.
APPLICATION FILED APR. 23, 1902.

No Model.

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Witnesses.

Inventor,

Vincenzo Weidlinger.

By: Farnsworth, Attorney.

The Harms Peters Co., Patented: (DC), Washington, D.C.
To all whom it may concern:

Be it known that I, VINCENZ WEIDLINGER, a subject of the Emperor of Austria-Hungary, residing at Weitenegg, near Melk, Austria-Hungary, have invented certain new and useful Improvements in Barrow-Trucks, of which the following is a specification.

The present invention has reference to improvements in barrow-trucks, and relates more especially to the combination of a barrow-truck with a weighing mechanism, so that goods—such as sacks, boxes, casks, or the like—when placed upon the truck to be carted away can be weighed at the same time, thereby effecting a saving in time in handling the goods over the present method, where the goods are carted to a separate weighing-machine and then weighed.

In order to make my invention more readily understood, I have illustrated it on the accompanying sheet of drawings, Figure 1 of which represents a vertical sectional elevation of a barrow-truck embodying my invention. Fig. 2 is a rear view of Fig. 1. Fig. 3 represents a horizontal sectional elevation on line A A of Fig. 1, and Fig. 4 shows a detail.

Upon the truck proper, consisting of the skeleton or frame 2 and wheels 1, is arranged a platform for receiving the goods. The lower end of this platform 4 is angularly bent, forming a lip 3. By means of braces 5 this platform is connected to the hangers 6. According to the construction shown in the drawings, the platform rests upon the double scale-beams 7, 8, which by means of the knife-edges 9 and 10 are pivotally connected with the truck-frame and carry the platform by means of the arms 11 and 12, respectively. The link 15, with knife-edges, connects the arms 13 and 14. The arm 14 is extended and is in engagement with the rod 17, the upper end of which engages the shorter arm of a steel-yard-beam 18, pivotally journaled on the depending arm 19. The longer arm of the beam 18 is connected, by means of a rod 20, to the balance-beam 22, fulcrumed at 21 upon the truck-frame. This balance-beam carries on the longer arm a shiftable weight 23 for balancing the beam with reference to the fixed tongue 24 and upon the shorter arm a counterpoise-weight 25 for balancing the platform. The weight bearing upon the platform 34 is taken up by the double levers 11 and 12, and is transmitted by the arms 14, rod 17, steel-yard-beam 18, and rod 20 to the scale-beam 22, where it can be read off on graduations provided on the beam.

For the purpose of setting the weighing mechanism at rest when not needed there is provided a shaft 26, Figs. 1, 2, and 4, journaled in the truck-frame. This shaft is provided with two eccentricities or cams 27, 28, arranged diametrically opposite each other, and carries the crank-handle 29. One of these cams co-operates with a yoke 30 on the platform 4, and the other cam co-operates with the depending arm 19, adapted to slide up and down in the truck-frame to a limited extent. If the cam 27 is in its lowestmost position and the cam 28 in its uppermost position, in which it does not touch the yoke 30, the platform 4 is free to be acted upon for weighing purposes. If, however, the crank 29 is rotated through one hundred and eighty degrees, the arm 19, and consequently the beam 18, will be raised, the lip of the platform will settle down upon the projections 31, and recesses in the upper end of the platform will engage corresponding noses 32, provided on the truck-frame, and the parts will be held in this position by the cam 28 pressing down upon the yoke 30.

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

1. The combination of a frame, a platform, rests for said platform on the frame, a scale mechanism mounted in said frame and adapted to sustain said platform, and means for locking the platform against said rests, substantially as described.

2. The combination of a frame, a platform, rests for said platform on the frame, a scale mechanism mounted in said frame and adapted to sustain said platform, and means controlling said scale mechanism, for effecting the engagement of said platform with said rests, and for locking said platform against said rests, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

VINCENZ WEIDLINGER.

Witnesses:
FRANZ RISTRUE, ALVESTO S. HOGUE.