No. 722,569. PATENTED MAR. 10, 1903.

J. E. DILGER.

PORTABLE TRUCK.

APPLICATION FILED DEC. 17, 1902.

NO MODEL.

Fig. 1.

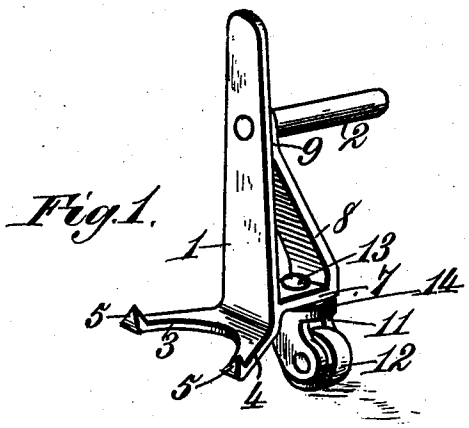


Fig. 2.

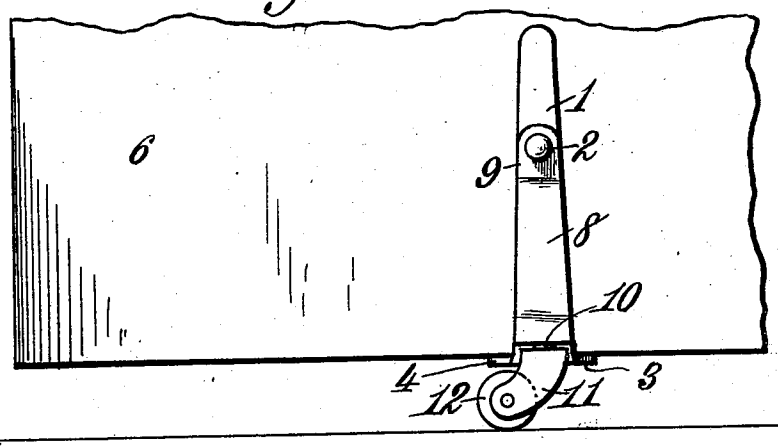
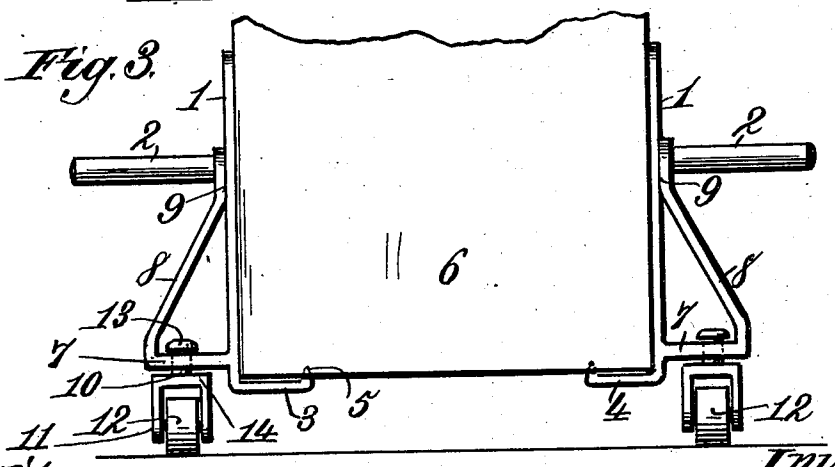


Fig. 3.



Witnesses.
Robt Ewalt.
James L. Norris, Jr.

Inventor.
John E. Dilger.
By James L. Norris.
Atty.

UNITED STATES PATENT OFFICE.

JOHN E. DILGER, OF YANKTON, SOUTH DAKOTA.

PORTABLE TRUCK.

SPECIFICATION forming part of Letters Patent No. 722,569, dated March 10, 1903.

Application filed December 17, 1902. Serial No. 135,577. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. DILGER, a citizen of the United States, residing at Yankton, in the county of Yankton and State of South Dakota, have invented new and useful Improvements in Portable Trucks, of which the following is a specification.

This invention relates to certain new and useful improvements in portable trucks.

The invention aims to provide a simple and effective truck for use in moving articles, which shall be capable of easy handling and quick adjustment and which will occupy but little room whether in use or not.

The invention further aims to provide a truck which shall be extremely simple in its construction, strong, durable, efficient in its use, and comparatively inexpensive to manufacture.

With the above and other objects in view the invention consists of the novel construction and arrangement of parts hereinafter more specifically described, illustrated in the accompanying drawings, and particularly pointed out in the claim hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like reference characters denote corresponding parts throughout the several views, and in which—

Figure 1 is a perspective view of the truck detached. Fig. 2 is a side elevation of the truck placed upon one side of an object; and Fig. 3 is a rear elevation of an object, showing the truck applied thereto.

Referring to the drawings by reference characters, 1 denotes a vertical standard, which is provided below its top with a handle 2, this handle extending at right angles to the standard 1. The latter at its lower end terminates in a fork extending at an angle thereto in an opposite direction to that of the handle 2. The fork is formed of a pair of tines 3 4, which terminate at their free ends in an upwardly-extending sharp or tapering lug 5. The tines 3 4 form the support for the object 6 to rest upon, as indicated in Figs. 2 and 3, and project away from each other slightly at an inclination. Secured to the standard 1 and extending at an angle thereto or in the same manner as the handle 2 is a short supporting-arm 7, its outer end secured in the lower end of the hanger-arm 8. The supporting-arm 8 is connected at its upper end to the standard 1, as at 9, by means of the handle 2, and projects away from the standard 1 downwardly at an inclination. The bearing-stud 7 is provided with an opening, through which extends a trunnion 10 of the bearing-bracket 11, carrying the caster-wheel 12. The opening 10 in the arm 7 is of such a diameter that the trunnion 10 can swivel therein. The trunnion 10 is provided with a head 13 and also carries a bearing-plate 14, to which is connected the bearing-bracket 11. It will be evident from the foregoing construction that the caster-wheel is arranged at the side of the standard 1, adjacent to the supporting-tines 3 4 of the fork.

When using the truck for transporting an article or object, generally three of the trucks are employed, one at each side of the article or object and the other at the rear, although it is not essential to employ three of the trucks, as two would answer every purpose, one placed at each side of the article or object, and from the fact that the caster-wheel is swivelly connected to the truck-frame a person moving the object or article can readily turn the same in any direction. If an ordinary wheel is supported by the truck-frame—that is to say, an ordinary wheel mounted upon the arm 7—it could not be turned as readily as is the case when swivelly connecting the wheel in a manner as hereinbefore set forth. If desirable, four of the trucks can be employed for moving an article or object, one at the front, one at each side, and one at the rear of the object. When the object or article is mounted upon the supporting-tines of the forks of the truck, the weight of the object will be such as to cause the sharp lugs of the tines to enter it, and therefore it will be securely held in position and the operator can transport the article or object without any danger of it becoming displaced, and it is thought that the many advantages of a truck constructed in accordance with the foregoing description, taken in connection with the accompanying drawings, can be readily understood, and it will furthermore be evident that changes, variations, and modifications can be resorted to without departing

from the spirit of the invention or sacrificing any of its advantages, and I therefore do not wish to restrict myself to the details of construction hereinbefore described and as shown in the accompanying drawings, but reserve the right to make such changes, variations, and modifications as come properly within the scope of the protection prayed.

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

A truck comprising a vertically-extending standard having its lower end terminating in a fork extending at right angles to the inner face of the standard, the tines of said fork projecting outwardly and having their free ends provided with an upwardly-extending sharp lug, a hanger-arm connected at its lower end to the outer end of said supporting-arm and having its upper end engaging the outer face of said standard below the top thereof, said hanger-arm extending toward the standard at an inclination, a handle extending through the upper end of said hanger-arm and through the standard for connecting the hanger-arm to the standard, said handle projecting laterally from the outer face of the standard, a vertically-extending bracket swivelly connected to said supporting-arm, and a wheel connected to said bracket.

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

JOHN E. DILGER.

Witnesses:
E. H. STONE,
C. W. TAYLOR.