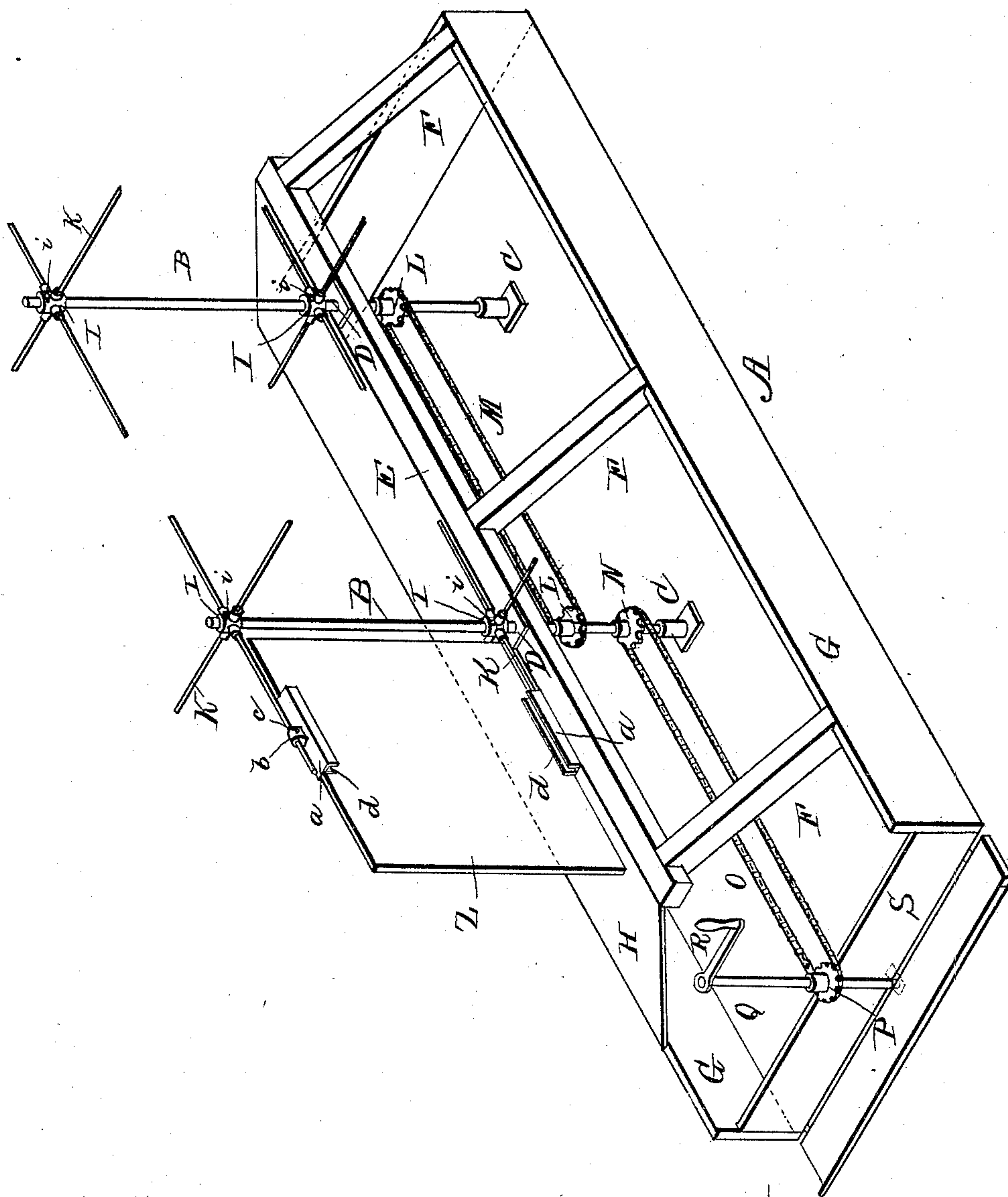


(No Model.)

W. S. CARTER.  
ADVERTISING WAGON.

No. 474,366.

Patented May 10, 1892.



Witnesses.

*E. M. Sweeney.*  
*H. Cushman.*

Inventor.

*W. S. Carter,*  
*By Mackay, Balver and Randall*  
*his Attorneys*



# UNITED STATES PATENT OFFICE.

WILLIS S. CARTER, OF WOBURN, MASSACHUSETTS.

## ADVERTISING-WAGON.

SPECIFICATION forming part of Letters Patent No. 474,366, dated May 10, 1892.

Application filed June 19, 1891. Serial No. 396,880. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIS S. CARTER, of Woburn, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Advertising-Wagons, of which the following is a specification.

Heretofore advertising devices have been contrived in which signs have been painted upon or otherwise applied to vertically-arranged rotatable or rotating supports carried by the box or body of a wagon.

My invention relates to advertising devices of this class; and it consists of an improved construction and combination of parts providing for the convenient and ready application of signs to a rotating or rotatable support and the like removal of the signs from the said support to enable changes to be made, and also providing for the movement of the signs and the proper exposure of the same to public view.

I have illustrated a practical embodiment of my invention in the accompanying drawing, which is a perspective of the box or body of a wagon having my invention applied thereto.

In the said drawing, A is the box or body of a wagon. To the same I apply one or more vertically-arranged shafts B B, which are to be suitably mounted in bearings, whereby they will be maintained in their vertical position and in which bearings they may be rotated. I have shown each shaft B provided with a step-bearing at C fixed to the bottom of the box or body A, and with a sleeve or bolster bearing D in or carried by a beam E, extending lengthwise of the wagon box or body and supported by the adjacent inner ends of the short transversely-arranged upwardly-inclined braces F F, which at their lower ends are fitted to the side-boards G of the box or body. A cover H—such as that shown on one side of the drawing—will in practice be applied over the braces F F on each side of the box or body. Upon each shaft B are fixed or mounted sleeves or collars I I, preferably one adjacent to the bearing D and the other to the upper end of the shaft. These collars may be held adjustably in place on the shaft, as by set-screws *i i*, in order to permit

of varying the distance between the upper and lower collars on a shaft, as when it is desired to provide for the supporting of signs of varying vertical heights. From each collar I project radially a number of arms K K, four being the best number to use. To each radial arm is applied a sign-holder *a*, consisting of a block having on one side thereof in the direction of its length one or more grooves *d*, and on the opposite side an ear or lug *b*, which is perforated to fit upon the arm to which it is applied, the holder being held in place upon the arm by a set-screw *c*. Each radial arm of the upper set of arms on a shaft is in the same vertical plane with one of the arms of the lower set of arms on the same shaft, and the grooved sides of the block of the corresponding arms of the two sets face each other, so that a sign Z, consisting of a board, plate, frame, or panel having the desired lettering or design thereon, may have the upper and lower edges thereof slipped into opposite grooves of a pair of sign-holders, and thus may be mounted in position.

Where both sides of the sign are to be exposed to view, but one sign or panel will be slipped into the grooves of an opposing pair of sign-holders, and then but one groove need be formed in each sign-holder; but when one side alone of the sign is intended to be exposed each sign-holder must be formed with two grooves, as shown, two signs, placed back to back, being mounted between the same pair of sign-holders.

To secure clearness in the drawing, I have omitted the sign-holders from all except one pair of arms; but in practice all the arms will be provided with the sign-holders and will support signs.

The shaft or shafts B B will in practice be rotated either continuously or intermittingly. To this end I provide sprocket-wheel and chain gearing, whereby the said shaft may be rotated from an actuating-shaft. Thus O is an endless chain passing around a sprocket-wheel N on one of the shafts B shown in the drawing, and intended to serve as a means of transmitting motion thereto from the actuating-shaft Q, the said chain passing around a second sprocket-wheel P on the said upright shaft Q, which is mounted in bearings on the front



board S and the front end of the box or body. This shaft Q may be provided with a hand-crank R, whereby it may be turned as desired; or, if preferred, any known gearing heretofore used in similar connections for imparting rotary motion to a shaft from one of the axles of the wagon may be employed to impart a movement of rotation to said shaft Q. When two shafts B are employed, as shown, each of the said shafts will be provided with a sprocket-wheel L, and an endless chain M will be passed around the two wheels L L to cause the shafts to rotate in unison.

I have herein entitled the invention as an improvement in advertising-wagons.

The invention is mainly intended for employment in connection with wagons; but the essential features thereof, as referred to in the following claims, are, however, adapted for employment on a stationary support instead of the box or body of a moving or movable wagon.

I claim as my invention—

1. The combination of a vertical shaft B, means whereby the said shaft may be rotated, upper and lower sets of arms carried by the said shaft, and oppositely-placed sign-holders carried by the said arms and open to permit of the convenient insertion and removal of the edges of signs, substantially as described.

2. The combination of a vertical shaft B, means whereby the said shaft may be rotated, upper and lower sets of arms carried by the said shaft, and oppositely-placed sign-holders *a a*, carried by the said arms and consisting of grooved blocks to which signs may removably be applied, the grooves of the said blocks being open to permit of the convenient insertion

and removal of the edges of signs, substantially as described.

3. The combination of a vertical shaft, a sprocket-wheel thereon, an actuating-shaft, a sprocket-wheel thereon, an endless chain passing around the said sprocket-wheels, upper and lower sets of arms on the said shaft, and oppositely-placed sign-holders carried by the said arms and open to permit of the convenient insertion and removal of the edges of signs, substantially as described.

4. The combination of two vertical sign-supporting shafts, an actuating-shaft, sprocket-wheels and endless chains whereby to actuate the first of said sign-supporting shafts from the actuating-shaft and the second thereof from the first thereof, upper and lower sets of arms on each sign-supporting shaft, and oppositely-placed sign-holders carried by the said arms and open to permit of the convenient insertion and removal of the edges of signs, substantially as described.

5. The combination of a vertical shaft B, means whereby said shaft may be rotated, upper and lower sets of arms carried by said shaft, and oppositely placed sign-holders *a*, carried by the said arms and consisting of blocks, each having therein two grooves into which the edges of signs may removably be slid, the grooves of the said blocks being open to permit of the convenient insertion and removal of the edges of the signs, substantially as described.

WILLIS S. CARTER.

Witnesses:

WM. A. MACLEOD,  
ROBERT WALLACE.