No. 726,092. PATENTED APR. 21, 1903.

R. H. NEFF.

CONVEYANCE FOR DISPLAYING ADVERTISING MATTER.

APPLICATION FILED JULY 26, 1902.

NO MODEL. 3 SHEETS—SHEET 1.

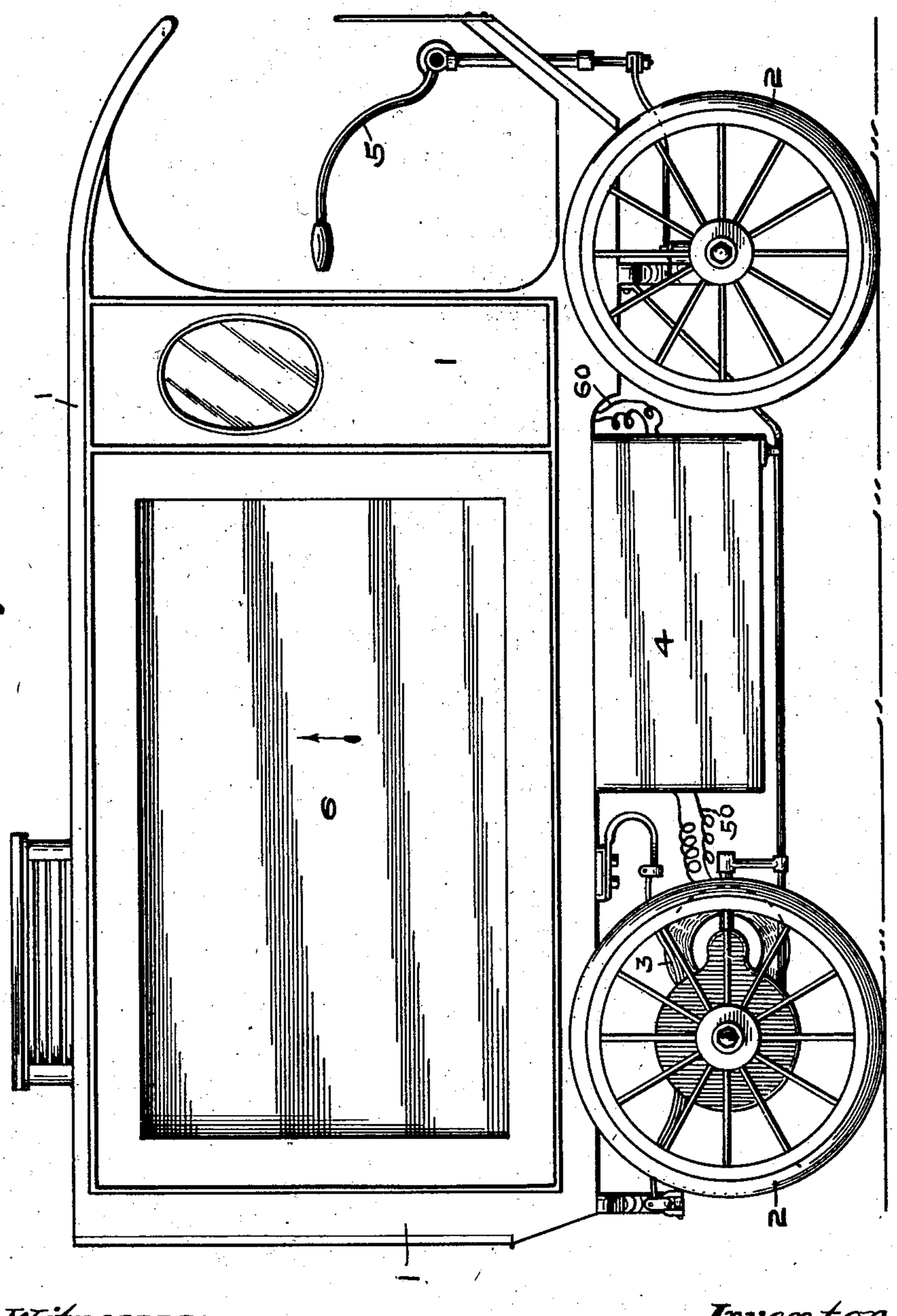

Fig. 1.

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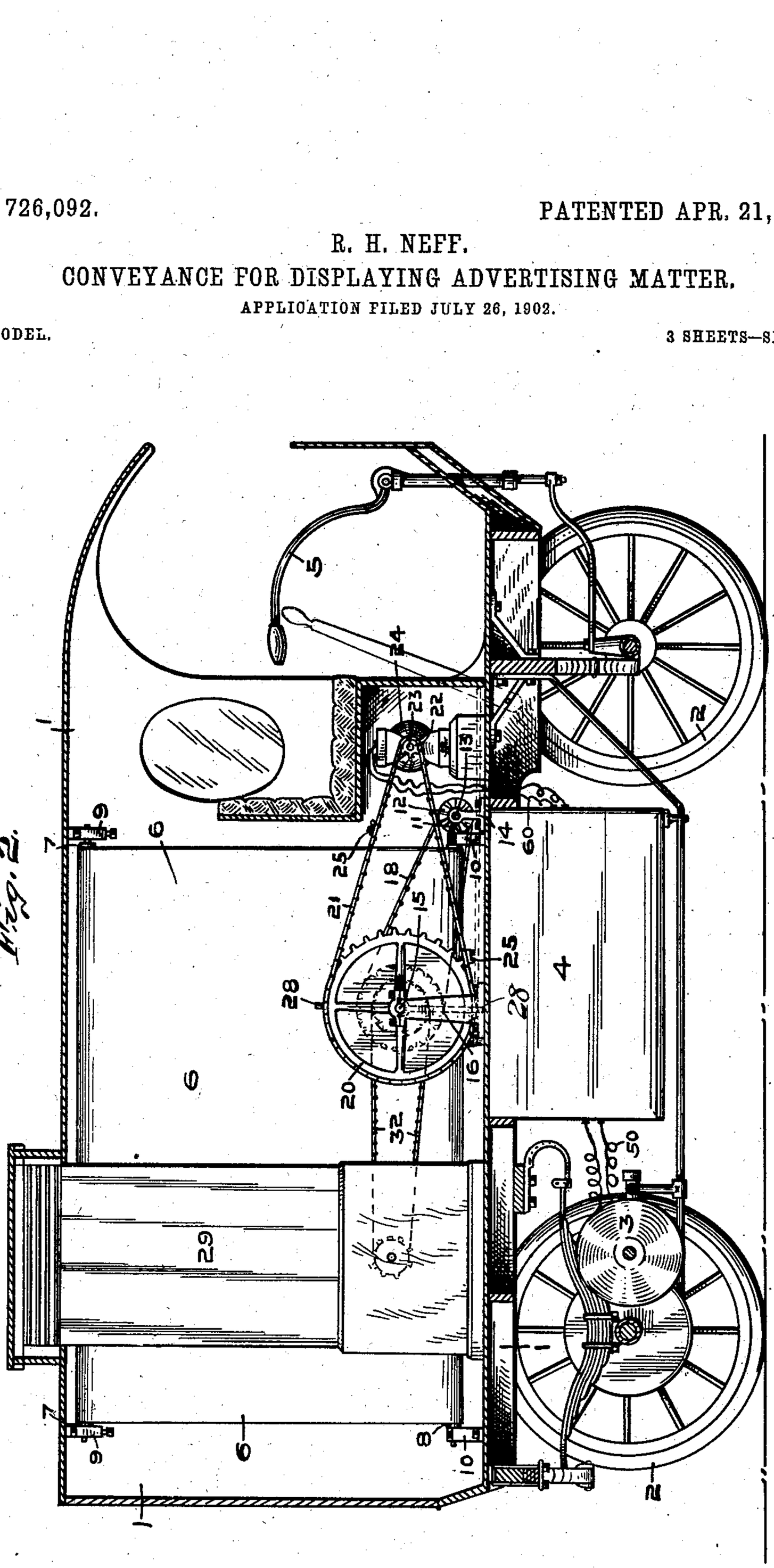

Fig. 2.

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NO MODEL. 3 SHEETS—SHEET 3.

Fig. 3.

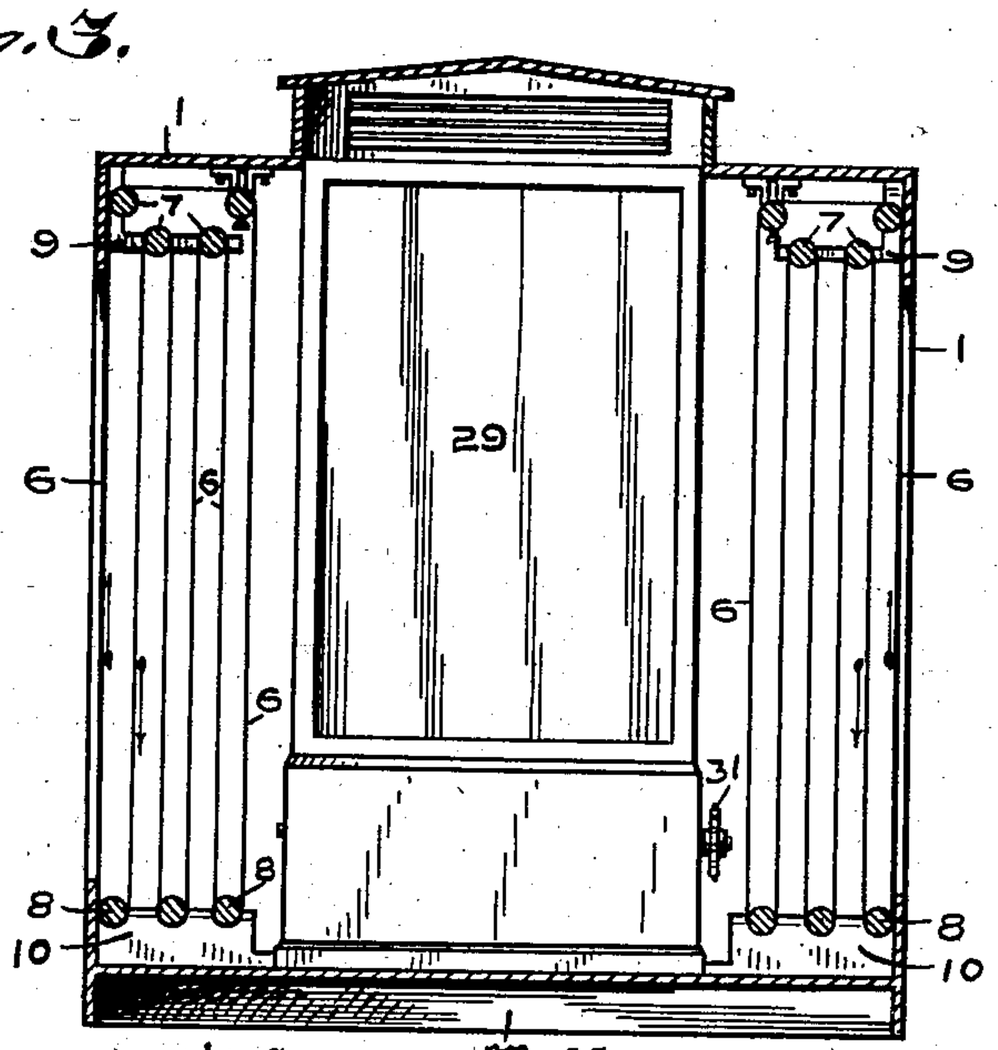


Fig. 5.

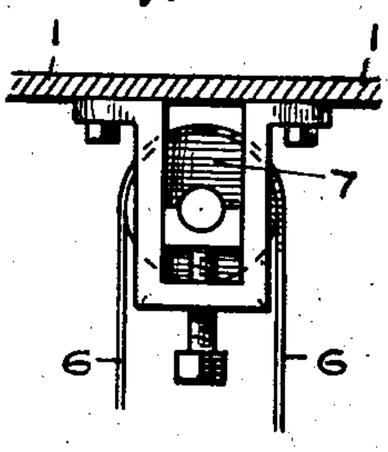


Fig. 6.

Fig. 4.

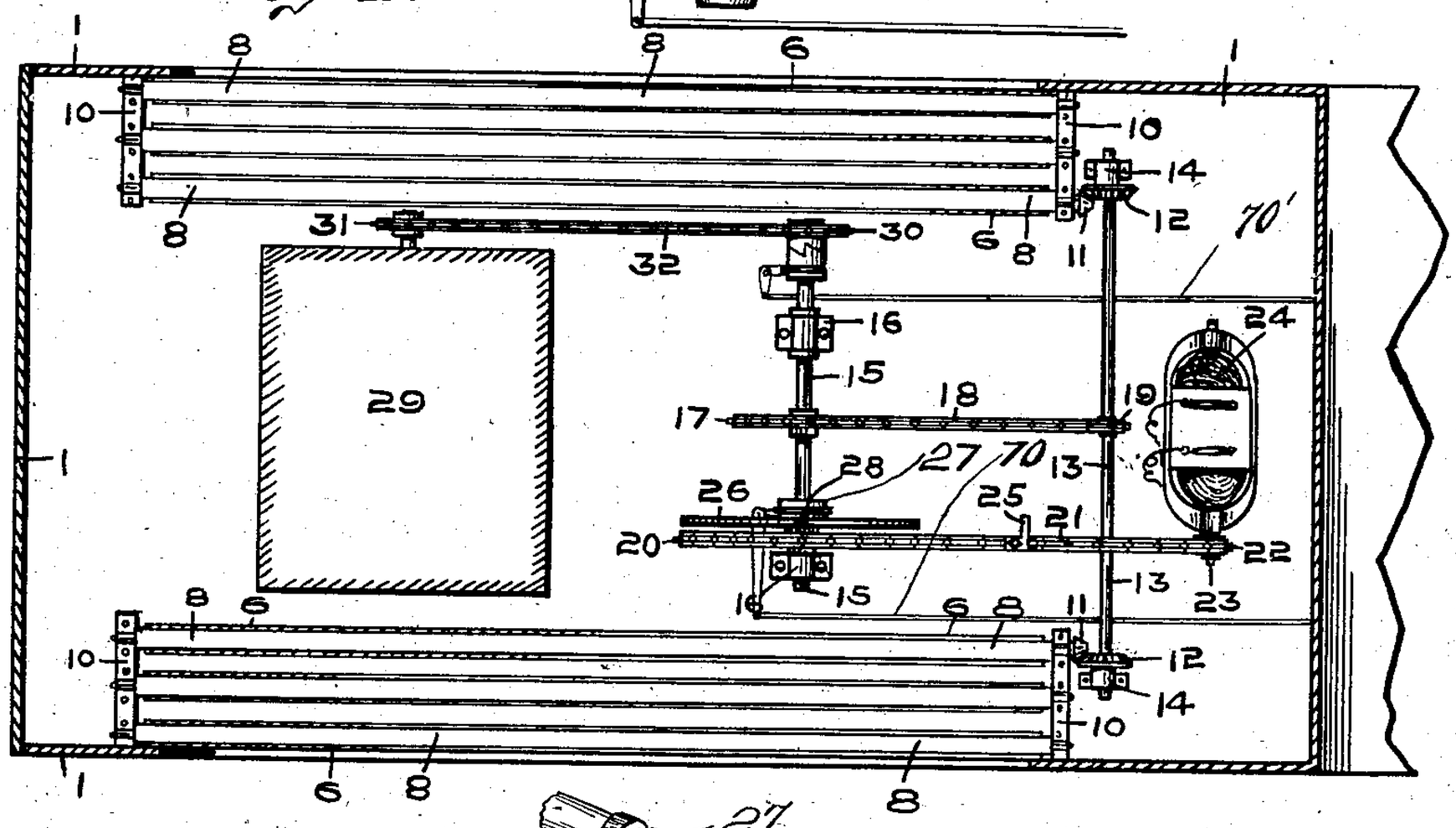
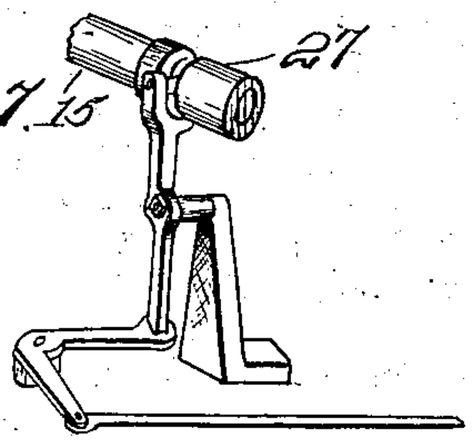


Fig. 7.



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UNITED STATES PATENT OFFICE.

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CONVEYANCE FOR DISPLAYING ADVERTISING MATTER.

SPECIFICATION forming part of Letters Patent No. 726,092, dated April 21, 1903.

Application filed July 26, 1902. Serial No. 117,129. (No model.)

To all whom it may concern:

Be it known that I, RICHARD H. NEFF, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Conveyances for Displaying Advertising Matter, of which the following is a specification.

This invention relates to a device for displaying advertising matter, and has for its object a means for exposing a series of advertisements on a movable curtain in an alternating manner.

The object consists, further, in a device for exposing display advertisements which is mounted in a movable structure, the said advertisements being placed on endless curtains and are exposed at intervals and which are driven by suitable mechanism mounted in a movable structure.

The object consists, further, in a continuous display advertising device which is mounted in a moving structure and has an organ or other similar musical instrument, both of which are driven by suitable mechanism mounted within the movable structure, the said musical device providing a means for attracting the public's attention to the various advertisements which are displayed.

The object consists, further, in the mounting of such an advertising device together with a musical device, all of which is mounted within a suitable movable structure and which is adapted to be drawn or driven about. There are other features, and the construction and arrangement of the several parts will be hereinafter more particularly described and then pointed out in the claim.

Referring to the accompanying drawings, which are made a part hereof and on which similar numerals of reference indicate similar parts, Figure 1 is a side elevation of a vehicle embodying the various features of my invention. Fig. 2 is a longitudinal vertical sectional view of the vehicle, which discloses the internal mechanism mounted within the main structure thereof and showing the relative positions they occupy. Fig. 3 is a vertical cross-section of the vehicle-body and showing the position occupied by my invention. Fig. 4 is a horizontal sectional view of the vehicle-body and shows the relative position of the mechanism employed in the operation of my invention. Fig. 5 is a detail view of the bearing whereby the rollers are adjusted and the curtains drawn taut. Fig. 6 is an enlarged top plan view of the disk and sprocket wheels, showing the shifting-yoke attachment; and Fig. 7 is a detail perspective view of the shifting-yoke.

In the drawings, 1 is the body of the vehicle or any suitable movable apparatus employed for transporting and exhibiting my advertising device. The body 1 is mounted on suitable running-gears 2, which in this instance are driven by an electric motor 3. The motor 3 is connected by the wires 50 in a suitable manner to a storage battery inclosed in the box 4, which is secured to the body 1. I have shown in the drawings an electrically-driven vehicle, which I consider the most modern and convenient force known for propulsion; but I do not wish to limit myself to any particular movable apparatus or to any particular propelling medium. I might also state that horse-power can be employed for drawing and operating the same. 5 is the steering mechanism, which may be of any suitable construction.

Each side of the body 1 is provided with an opening through which the advertising matter is exposed to view. Passing across each of the openings and inside the body 1 is a curtain 6, which is composed of any suitable flexible material and is formed in an endless piece like a belt. The curtains 6 pass over a series of rollers 7 and 8, which rollers are mounted in suitable bearings 9 and 10, which are secured to the body 1. One roller 7 of each series is mounted in an adjustable manner and by which construction a tension is procured and maintained on the curtains 6, a simple and effective means being shown in Fig. 5 of the drawings. As before stated, the curtains 6 pass over the rollers 7 and 8, the curtains extending to and from the different series in a parallel manner, which arrangement provides an abundant advertising-space on the

curtains. This space can be increased by increasing the number of rollers in the different series and by lengthening the curtains.

Each side of the body 1 is provided with a curtain 6 and mounted on the series of rollers, as heretofore described. As shown in Fig. 4, one roller 8 in each of the series is provided with a bevel-gear 11, each of which mesh with a gear 12, which is secured to the transverse shaft 13. The shaft 13 is mounted in bearings 14, which are secured to the body 1. The shaft 13 connects the various groups of rollers 8 by the gears 11 and 12, which gears are so arranged as to move the curtains 6 in the desired direction. A counter-shaft 15 is mounted in the bearings 16, which are secured to the body 1. The counter-shaft 15 carries the sprocket-wheel 17, which wheel carries the sprocket-chain 18, which leads to the sprocket-wheel 19, secured to the shaft 13 and whereby motion is imparted to the shaft 13. By the operation of the shaft 13, through its connection with the rollers 8, the curtains are operated.

The counter-shaft 15 is provided with the sprocket-wheel 20, which is loosely mounted thereon. A sprocket-chain 21 leads from the wheel 20 to a similar wheel 22, secured to the motor-shaft 23, mounted in the motor 24.

The motor 24 is independent from the driving-motor 3, but derives its power from the same source as the motor 3 by the wires 60. The motor being independent from the motor that propels the vehicle provides a means for displaying my advertisements or playing the instrument while the vehicle is moving or at rest.

The sprocket-chain 21, which runs from the motor 24 to the counter-shaft 15, is provided with the adjustable lugs 25. The object for said lugs will be hereinafter described.

The counter-shaft 15 is provided with a disk-wheel 26, which rotates with the shaft, but is allowed longitudinal movement thereon. The disk-wheel 26 is provided with an extended hub 27, which carries an annular groove for a shifting-yoke for shifting the wheel 26 to and from the sprocket-wheel 20. The shifting-yoke is of an old and well-known variety and is preferably connected by means of a rod, lever, or similar device at the driver's seat, so that the mechanism can be shifted from that point. The disk-wheel 28 is of a diameter equal to the diameter of the sprocket-wheel 20 and carries the lugs 28 on its periphery, which lugs engage with the adjustable lugs 25 on the sprocket-chain 21 when said disk-wheel 26 is thrown into engagement with the sprocket-wheel 20. It will be noted when the lugs 25 on the chain 21 come into contact with the lugs 28 on the disk-wheel 26 the disk-wheel is turned one-half of its diameter before the lugs 25 on the chain 21 are disengaged from the lugs 28 on the disk-wheel 26. The movement of the disk-wheel 26 turns the shaft 15 and the sprocket-wheel 17, and through the chain 18 and the sprocket-wheel 19 on the shaft 13 the said shaft is rotated. The shaft 13, together with the varied diameters of the bevel-gears 11 and 12, move or rotate the rollers sufficiently to move the curtains 6 a distance equal the diameter of the openings in the body 1, through which the advertisements are exposed. It will be seen that at each movement a new series of advertisements are exposed. When the disk-wheel 26 is thrown out of engagement with the sprocket-wheel 20, an advertisement may be exposed for an indefinite period, while by throwing the disk-wheel 26 into engagement with sprocket-wheel 20 I can expose a different advertisement at each movement of the curtains 6.

Suitably mounted within the body 1 is a musical instrument 29 of a suitable character, a style being preferable which will imitate a brass band. This instrument is driven through suitable mechanism from the shaft 15, preferably by a sprocket-wheel 30 on the shaft 15 and the sprocket-wheel 31 and a chain 32. The sprocket-wheel 30 is loosely mounted on the shaft 15 and carries a toothed hub which engages with a corresponding toothed collar, which collar has longitudinal movement on the shaft 15. The toothed collar can be thrown into or out of engagement with the sprocket-wheel 30 in a manner similar to shifting the disk-wheel 26 from the driver's seat. The object of equipping my advertising apparatus with a musical instrument is to attract attention and place the advertisements on the display-curtains 6 conspicuously before the public. It will be seen that through my peculiar driving mechanism I can exhibit my advertisements, play the instrument while the vehicle is in motion or while the vehicle is at rest. It will be seen, too, that I can operate all the different functions simultaneously or individually and that I have combined in portable or movable manner a neat-appearing, new, and novel feature in the display of advertising matter.

Having thus fully described my said invention, what I desire to secure by Letters Patent is—

In a conveyance for displaying advertising matter, a body mounted on suitable running-gears and having openings in its walls, means for propelling said body, endless curtains mounted on rollers and passing across the openings, rollers suitably mounted in bearings fixed to the main frame, gear-wheels secured to the rollers, a transverse shaft carrying gear-wheels which mesh with the gears on the rollers, a counter-shaft carrying a sprocket-wheel rigidly secured thereto, a power-generator suitably mounted within the main frame, a chain connecting with the power-generator and leading to the sprocket on the counter-shaft, a disk-wheel mounted on the counter-shaft and having longitudinal movement thereon, means for shifting said

wheel, lugs on the disk-wheel, means for engaging with the lugs which imparts movement to the disk-wheel, a sprocket-wheel mounted on the counter-shaft, a sprocket-wheel mounted on the transverse shaft, and means for connecting the shafts together, substantially as described and for the purposes set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 16th day of July, A. D. 1902.

RICHARD H. NEFF. [L. S.]

Witnesses:
L. B. SHAFER,
F. W. WOERNER.