

**No. 627,055.**

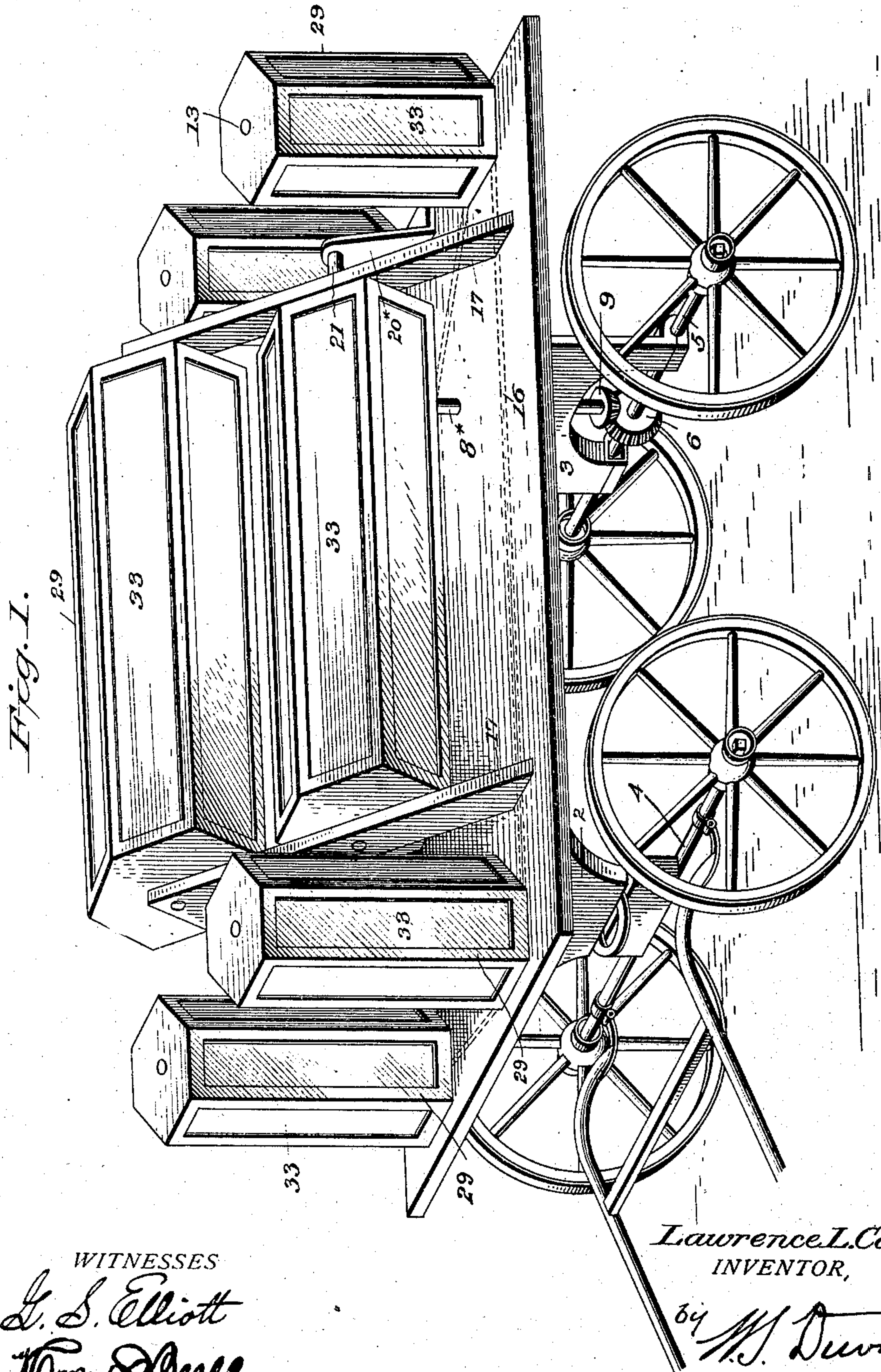
**Patented June 13, 1899.**

**L. L. CORNELL.**  
**ADVERTISING WAGON.**

(Application filed Aug. 8, 1898.)

(No Model.)

**2 Sheets—Sheet 1.**



*WITNESSES*

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No. 627,055.

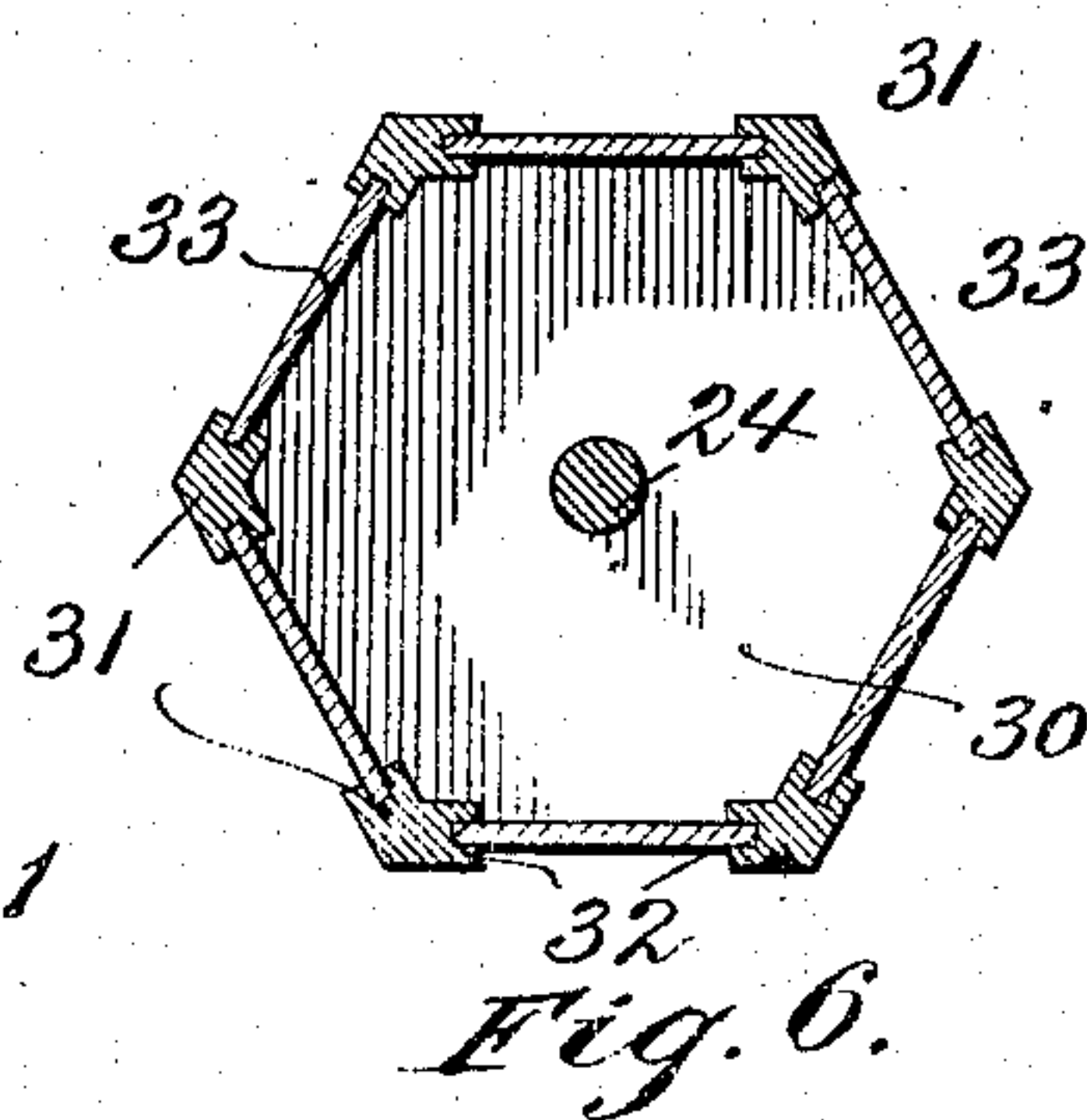
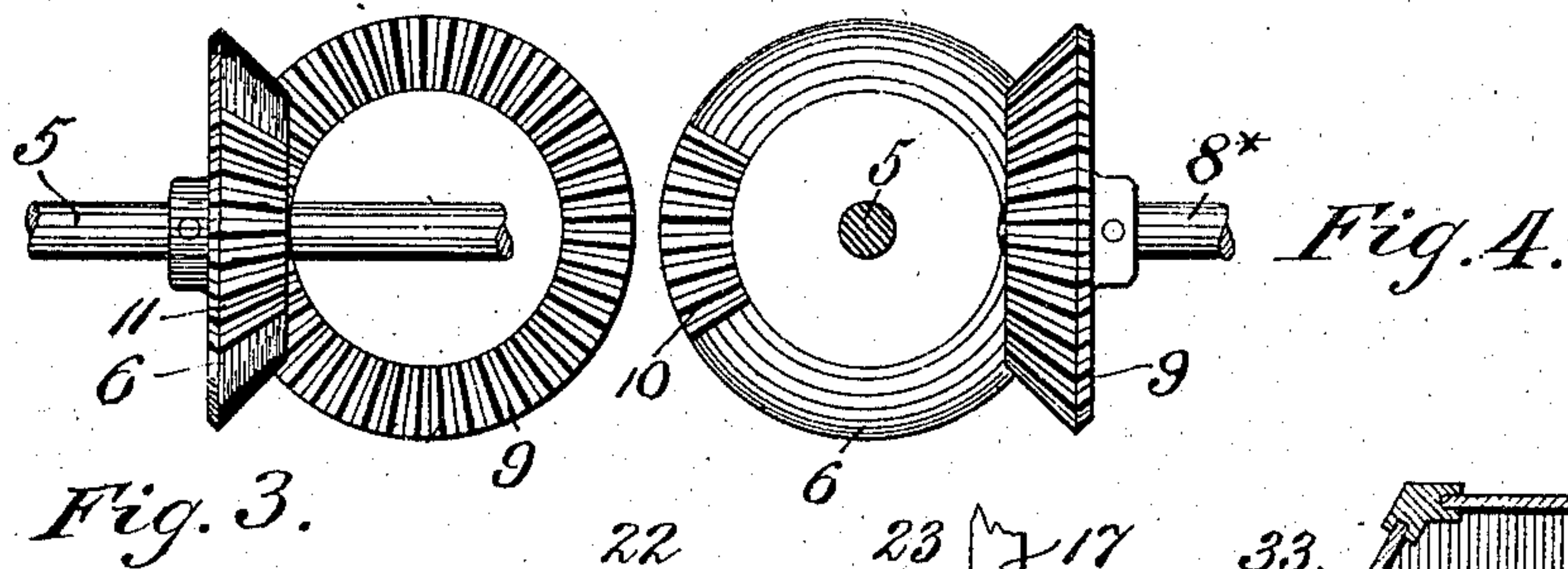
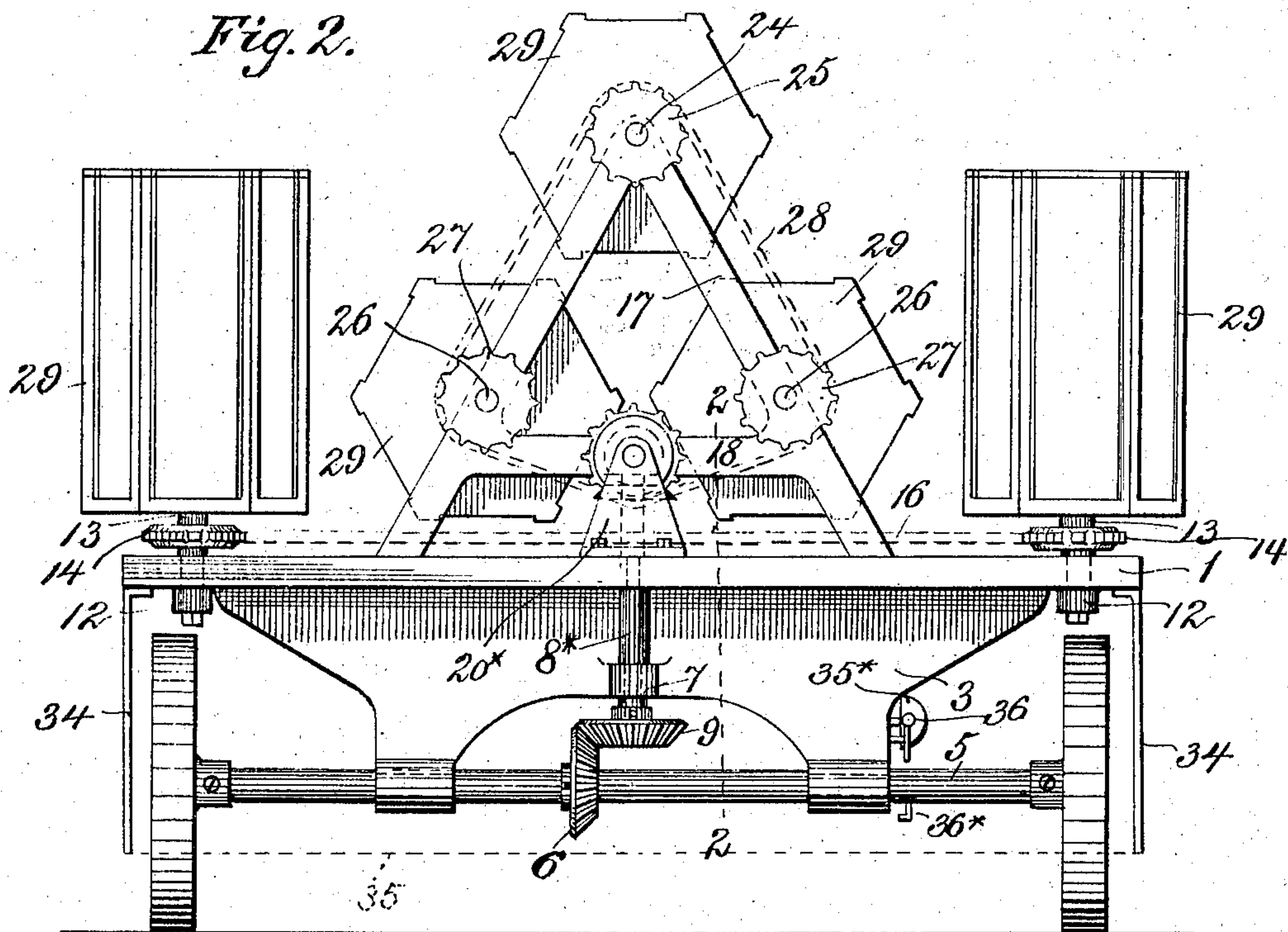
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WITNESSES:

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# UNITED STATES PATENT OFFICE.

LAWRENCE LEE CORNELL, OF RICHMOND, VIRGINIA.

## ADVERTISING-WAGON.

SPECIFICATION forming part of Letters Patent No. 627,055, dated June 13, 1899.

Application filed August 3, 1898. Serial No. 688,071. (No model.)

*To all whom it may concern:*

Be it known that I, LAWRENCE LEE CORNELL, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Advertising-Wagons; and I 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.

This invention relates to improvements in advertising-wagons; and the objects of the invention are to produce a simple construction or combination of advertising displays, each adapted to be presented successively or several collectively to the attention of the public as the wagon passes along the streets of a city.

A further object of the invention is to provide a ready means whereby different advertising-cards may be used—that is, the advertisement changed at will—and also to operate the advertising medium through a suitable gear receiving motion from the drive-axle of the wagon.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

Referring to the drawings, Figure 1 is a perspective view of an advertising-wagon embodying my invention. Fig. 2 is a rear end elevation of the same. Figs. 3 and 4 indicate the construction of gearing that may be employed for transmitting an intermittent motion from the drive-axle to the revolving advertising-drums. Fig. 5 is a longitudinal sectional view through Fig. 2, said section being taken on the lines 2 2. Fig. 6 is a transverse sectional view through one of the advertising-drums.

Similar numerals of reference indicate similar parts in all the figures of the drawings.

In practicing my invention I preferably employ a rectangular wagon bed or platform 1, the same being supported by front and rear bolsters 2 and 3, respectively, upon axles 4 and 5, at the ends of which latter are located suitable ground-wheels. The rear bolster may be arched, as shown, and within its arch

there is mounted on the rear or drive axle a gear-wheel 6. The rear bolster may also be provided with vertically-aligning bearings 7, in which may be mounted a vertically-disposed counter-shaft 8\*, provided at its upper and lower ends, respectively, with beveled gears 8 and 9, the latter being designed to mesh with and be driven by the aforesaid gear 6 on the rear or drive axle. These gears 6 and 9 may be toothed throughout their periphery, as shown in Fig. 2, or the gear 6 may be toothed merely at intervals, as indicated at 10 in Fig. 4, or the gear 9 may be toothed at intervals, as indicated at 11, Fig. 3. It will, however, be apparent that whichever is the case the result will be the same—the vertical counter-shaft will be partially rotated at intervals, or it may be continuously rotated by the continuous toothing of both gears, as shown in Fig. 2. By properly proportioning these gears the desired speed may be secured.

If desired, I may locate vertical bearings 12 at the four corners of the platform 1, and in each bearing I may journal a vertical rotatable shaft 13, each of which is provided near its lower end with a sprocket-wheel 14, the sprocket-wheels of the four shafts being in the same horizontal plane. A similar driving sprocket-wheel 15 may be mounted on the vertical counter-shaft 8\* and all five of the sprocket-wheels 14 and 15 connected by an endless sprocket belt or chain 16.

Near the front and rear ends of the platform 1 I may secure in any suitable manner a pair of aligning inverted-V-shaped or triangular frames 17, the same being connected near their lower ends by transverse braces 18. The rear transverse brace 18 is provided with a central horizontal bearing 19, which aligns with a similar bearing 20, formed in the upper end of a short rear vertical standard 20\*. In these two bearings there is journaled a short horizontal shaft 21, which carries near one end a bevel-gear 22 and near its opposite end a sprocket-wheel 23, the bevel-gear 22 meshing with the upper bevel-gear 8 by which it and the shaft 21 are rotated.

At the apices of the two triangular frames 17 is journaled in suitable bearings provided for the purpose a transverse rotatable shaft 24, the rear end of which extends beyond



the rear bearing, at which point it carries a sprocket-wheel 25. Similar shafts 26 may be journaled in similar bearings formed in the said triangular frames near their lower ends, and said latter shafts may also have their rear ends extended beyond or in rear of their bearings and there provided with sprocket-wheels 27. Connecting the several sprocket-wheels 25, 27, and 23 is a sprocket-chain 28, the latter sprocket-wheel receiving motion from the horizontal shaft 21 and transmitting motion to the remaining sprocket-wheels and the shafts that carry them in a manner that will at once be obvious.

Each of the shafts 12, 24, and 26 carries an advertising cylinder or drum 29, the surface of which may be covered with one or a series of separate and distinct advertisements. The cylinder or drum 29 may be of any desired form or construction. I prefer, however, to construct the same polygonal in cross-section and as best illustrated in Fig. 6 of the drawings. By reference to said figure of the drawings it will be seen that each drum consists of two opposite heads 30, which are in the present instance hexagonal in shape, said heads being connected at each of its angles by a longitudinal rib 31, the opposite longitudinal edges of which are grooved, as indicated at 32, to receive removable panels 33, each of which is designed to carry on one or both sides any desired advertising matter.

It will be obvious from the foregoing description, in connection with the drawings, that motion will be imparted to the shaft 8\* by the drive-axle 5, such motion being intermittent or continuous, as may be desired, and that the motion will be carried by the gears, sprocket-wheels, and belts described to the several advertising-drums and their shafts, whereby said drums will be either continuously or intermittently rotated, thus presenting successively different business signs to the public as the vehicle passes along the city's streets.

The advertising-space of the wagon may be increased by locating at the corners of the platform depending standards 34, secured to which and surrounding the running-gear may be a depending curtain 35. If preferred, also, an organ or other sound or music giving device or instrument may be carried by the wagon and mechanically operated as the wagon moves along. In the present instance I have shown a gong 35\* located on the rear bolster, the same being adapted to be sounded at intervals by an ordinary trip-hammer 36,

pivoted adjacent thereto and operated by a trip 36\*, carried by the axle.

Having described my invention, what I claim is—

1. In an advertising-wagon, the combination with a platform, opposite triangular frames mounted on the same and arranged in longitudinal alinement, and provided with alining bearings, of a rotatable shaft journaled in the apices of the said frames and opposite similar shafts journaled in the side bearings of said frames, sprocket-wheels carried at the rear ends of the said shafts, an advertising-drum located on each of the said shafts, a vertical counter-shaft journaled in the rear end of the platform, beveled gears at the upper and lower ends of the same, an upper horizontal shaft, a gear thereon meshing with the upper gear of the vertical counter-shaft, a sprocket on said horizontal shaft, and a chain connecting the same with the sprocket-wheels of the rotatable shafts, of an axle having ground-wheels, and a gear carried by the axle and meshing with the lower gear of the counter-shaft.

2. In an advertising-wagon, the combination with a rectangular platform having vertical bearings at its corners, vertical shafts rotatably mounted therein and sprocket-wheels and advertising-drums carried by the shafts, of opposite frames mounted on the platform and provided with alining bearings, shafts journaled in said bearings and carrying advertising-drums and provided with sprocket-wheels, of a vertical counter-shaft, beveled gears located at the upper and lower ends of the same, a drive-axle having wheels, a bevel-gear carried by the axle and meshing with and driving the lower gear of the counter-shaft, an upper horizontal shaft located upon the platform, bearings for the same, a sprocket-wheel carried by said shaft, a chain connecting the same with the sprocket-wheels of those shafts journaled in the opposite frames mentioned, a bevel-gear on said shaft meshing with the upper gear of the counter-shaft, a sprocket-wheel mounted on the counter-shaft, and a sprocket-chain connecting the same with those sprocket-wheels of the vertical shafts.

In testimony whereof I affix my signature in the presence of two witnesses.

LAWRENCE LEE CORNELL.

Witnesses:

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F. C. LATANÉ.