

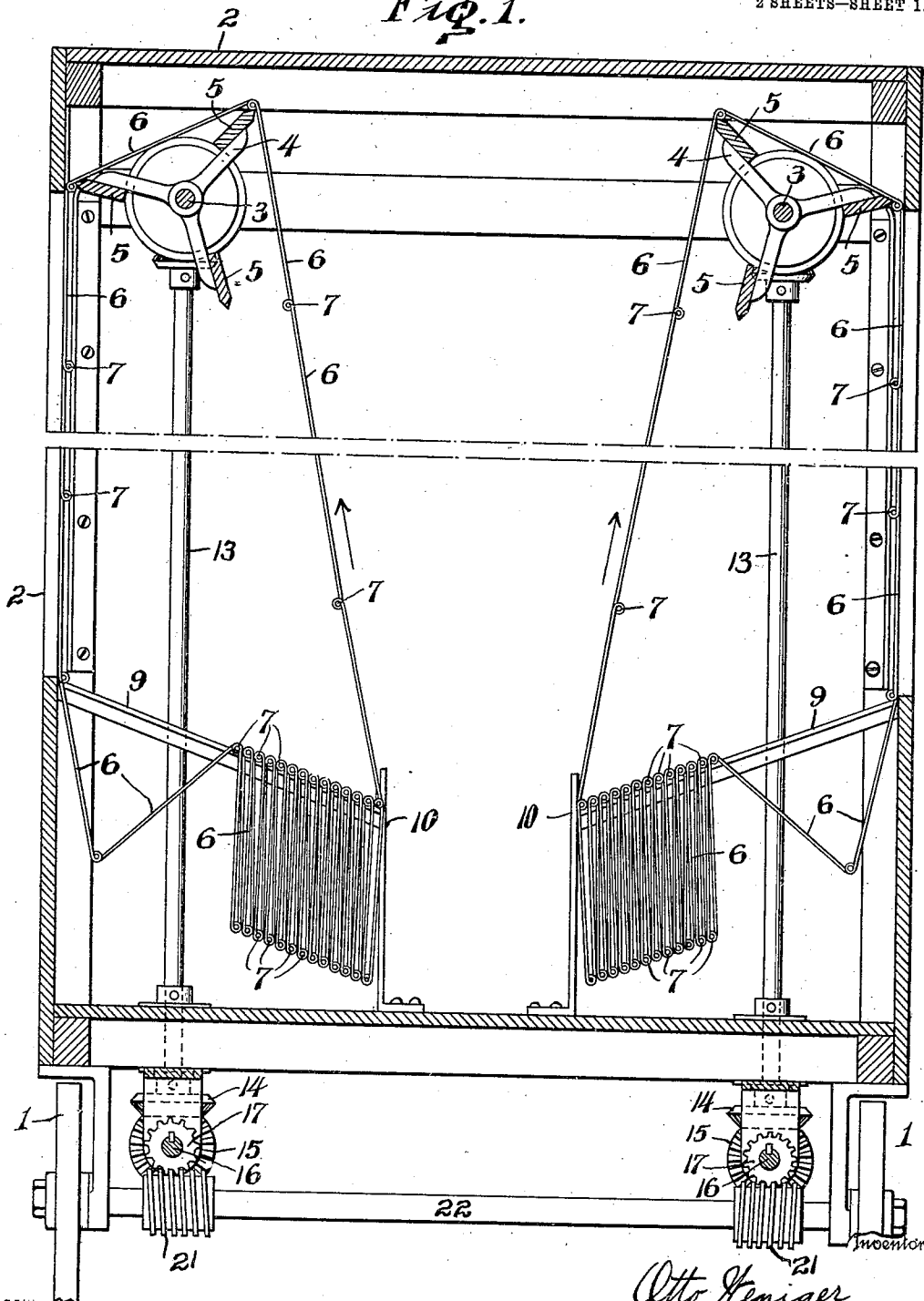
O. WENIGER.
ADVERTISING WAGON.
APPLICATION FILED MAR. 11, 1909.

945,652.

Patented Jan. 4, 1910.

2 SHEETS—SHEET 1.

Fig. 1.



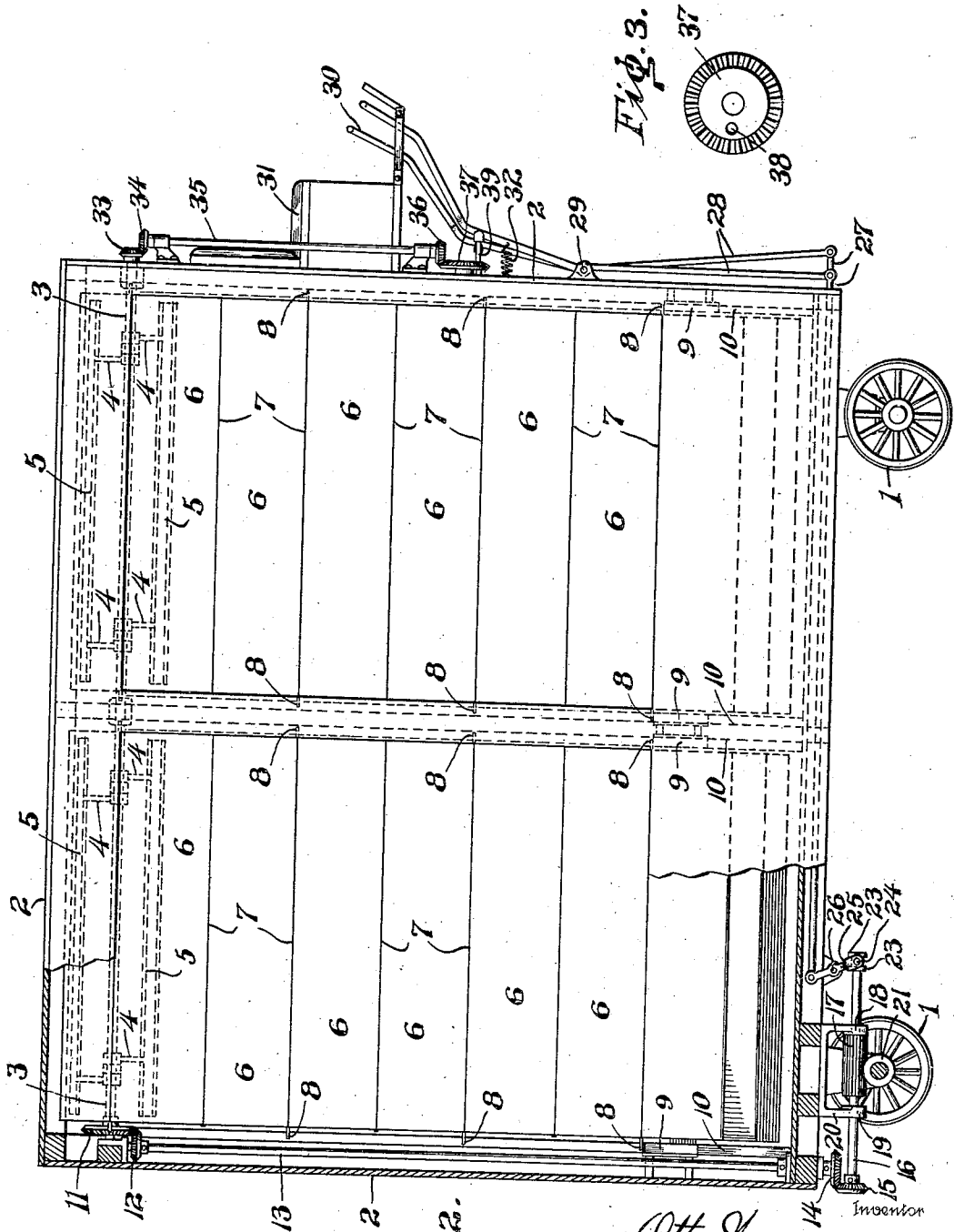
Daniel Webster, Jr.
A. E. Steinbock

Otto Weniger
by *Cornelius L. Chet*
his Attorney

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Witnesses
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Fig. 2.

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UNITED STATES PATENT OFFICE.

OTTO WENIGER, OF PHILADELPHIA, PENNSYLVANIA.

ADVERTISING-WAGON.

945,652.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed March 11, 1909. Serial No. 482,780.

To all whom it may concern:

Be it known that I, OTTO WENIGER, a citizen of the United States, residing in the city of Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Advertising-Wagons, of which the following is a specification.

My invention relates to an advertising wagon having a box or inclosure within which is a rotatable frame for moving a continuous series of plates hinged together and carrying advertising matter, the rotating frame being driven from the running gear of the wagon, and means being provided for automatically throwing the rotating frame out of gear, when a new set of advertisements is brought into position by the gearing.

For an illustration of one of the forms my invention may take, reference is to be had to the accompanying drawing, in which:

Figure 1 is a vertical cross sectional view, taken transversely to the length of the wagon, some parts being shown in elevation. Fig. 2 is a side elevational view, parts in section, of the advertising wagon, but on a smaller scale than Fig. 1. Fig. 3 is a front elevational view of the control gear.

Upon any suitable truck having wheels 1 is mounted a box or inclosure 2 having at the top and inside the rotatable shafts 3 upon which are secured spiders 4. At the outer ends of the spider arms 4 are secured longitudinally extending plates or strips 5. By the rotation of the spiders the strips 5 pick up and carry over the plates 6 which carry advertisements, and which are suitably pivoted or hinged together at 7. Alternate hinges have extensions 8 which, as the advertising sheets or plates descend along the open or transparent sides of the wagon box, engage the guides or angle irons 9 and pass downwardly on such guides 9 and are temporarily stored, the uprights 10 at either side serving to keep the plates from running off the guides 9 and to remain in temporary storage. As the spiders or rotating frames continue their rotary movement, the hinged plates are unfolded one after the other from the temporary storage, and pass upward in the direction of the arrow over the frame, and downwardly again in front of the opening or transparency in the side of the wagon box.

Each shaft 3 has secured thereto at one end the bevel gear 11 which meshes with the

bevel gear 12 secured upon the vertical shaft 13 which terminates at its lower end in the bevel gear 14. The bevel gear 15 is adapted to mesh with and drive the bevel gear 14 and is carried upon the shaft 16 which carries also the elongated gear 17, the shaft 16 being supported in the bearings 18 and 19 of the bracket 20. Meshing with the elongated gear 17 is a worm 21 secured upon the axle 22 of the truck. At one end of the shaft 16 are secured collars 23 between which engages the pin 24 carried by the lever 25 pivoted at 26. The other end of the lever 25 connects by rod 27 with the vertically extending rod 28 pivoted at 29 and terminating in a driver's foot lever 30 near the driver's seat 31. Each lever 30 is provided with a spring 32 which tends to hold it in such position as to push the shaft 16 rearwardly and move the gear 15 out of engagement with the gear 14. Thus, when the driver presses outwardly upon the lever 30, the shaft 16 moves rearwardly, the elongated gear 17 maintaining mesh with the worm 21, and the gear 15 disengaging from the gear 14.

At the forward end of each of the shafts 3 is secured a bevel gear 33 which meshes with a bevel gear 34, secured upon the vertically extending shaft 35 which carries at its lower end a bevel gear 36 meshing with the bevel gear 37. The gear 37 has in its face, as seen in Fig. 3, a hole 38 through which may freely pass a pin 39 carried by the driver's lever 30.

The operation is as follows: As the truck is moved along the highway, the axle 22, through the worm 21, gear 17, and the other gearing heretofore described, rotates the frames composed of the spiders 4 and the strips 5 to move the advertising plates as heretofore described. There being three sides or arms to each of the rotating frames, and assuming six advertising plates visible at a time, two revolutions of the shaft 3 suffice to bring an entirely new set of advertising plates to view. The gears 33, 34, 36 and 37 are chosen with such number of teeth that the shaft 3 rotates twice for each revolution of the bevel gear 37. At the end of each revolution of the gear 37, the pin 39 snaps into the hole 38, under the force of the spring 32, thus disengaging the gears 14 and 15 and stopping the rotation of the frames and the movement of the advertising plates. After the advertising plates have been in position a desired length of time, the driver

moves the lever 30 outwardly in opposition to spring 32, which simultaneously removes the pin 39 from the hole 38, and an entirely new set of advertising plates is brought to
5 view, and as soon as an entire new set of advertising plates is brought to view, the pin 39 again snaps into the hole 38 and disconnects the gearing.

What I claim is:

- 10 1. The combination with a truck, of an inclosure carried thereby, a continuous series of hinged advertising plates within said inclosure, a rotatable frame for actuating said
15 plates, gearing intervening between said frame and said truck for driving said frame, automatic means for unmeshing said gearing when a new set of advertisements is brought to view, an operator's lever for bringing said gearing again into mesh, and
20 means for maintaining said gearing in mesh until a new set of advertisements is brought to view.

2. The combination with a truck, of an inclosure carried thereby, a continuous series
25 of hinged advertising plates within said inclosure, a rotatable frame for actuating said plates, normally meshing gears intervening between said truck and said frame, an operator's lever for bringing said gears into mesh, a pin upon said operator's lever, 30
a gear having a perforation adapted to receive said pin driven by said truck, and a spring for causing said pin to enter said perforation, whereby said gearing is unmeshed when a new set of advertisements is
35 brought to view.

In testimony whereof I have hereunto affixed my signature in the presence of the two subscribing witnesses.

OTTO WENIGER.

Witnesses:

A. E. STEINBOCK,
DANIEL WEBSTER, Jr.