No. 814,383. PATENTED MAR. 6, 1906.

A. W. MacARTHUR.

ADVERTISING DEVICE.

APPLICATION FILED DEC. 19, 1904.

2 SHEETS—SHEET 1.

Fig. 2.

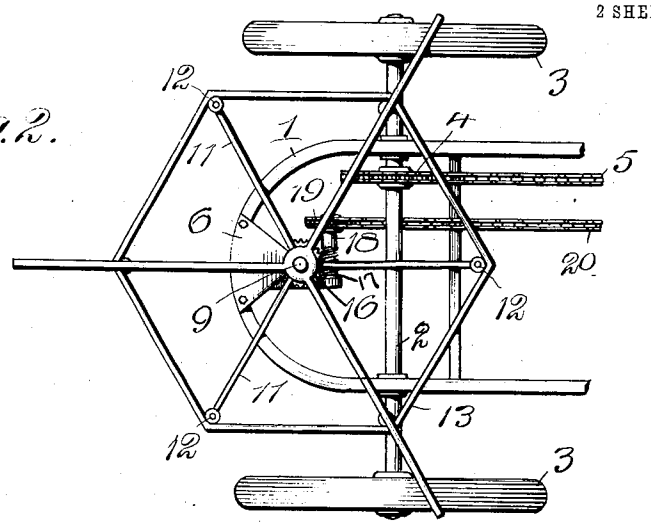
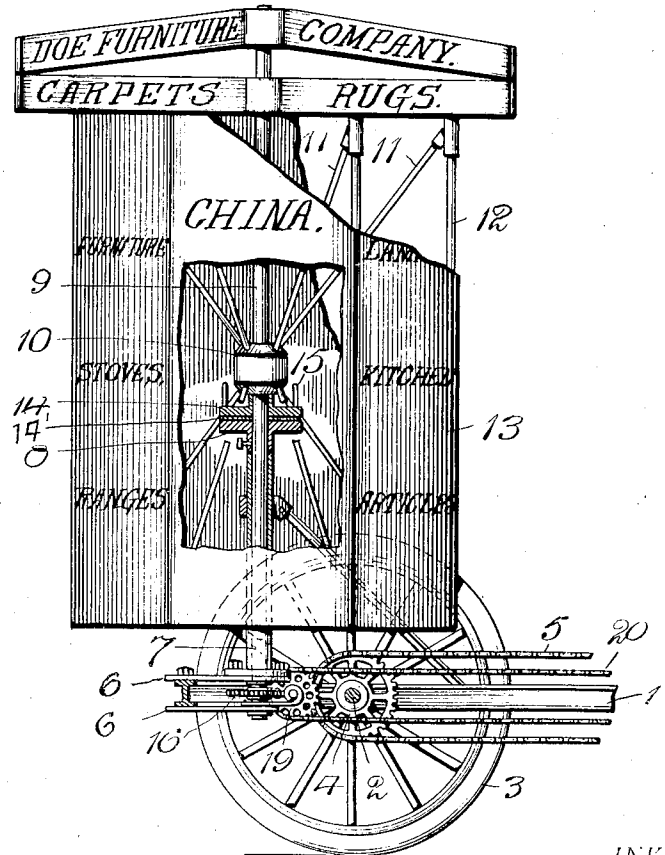


Fig. 1.



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INVENTOR

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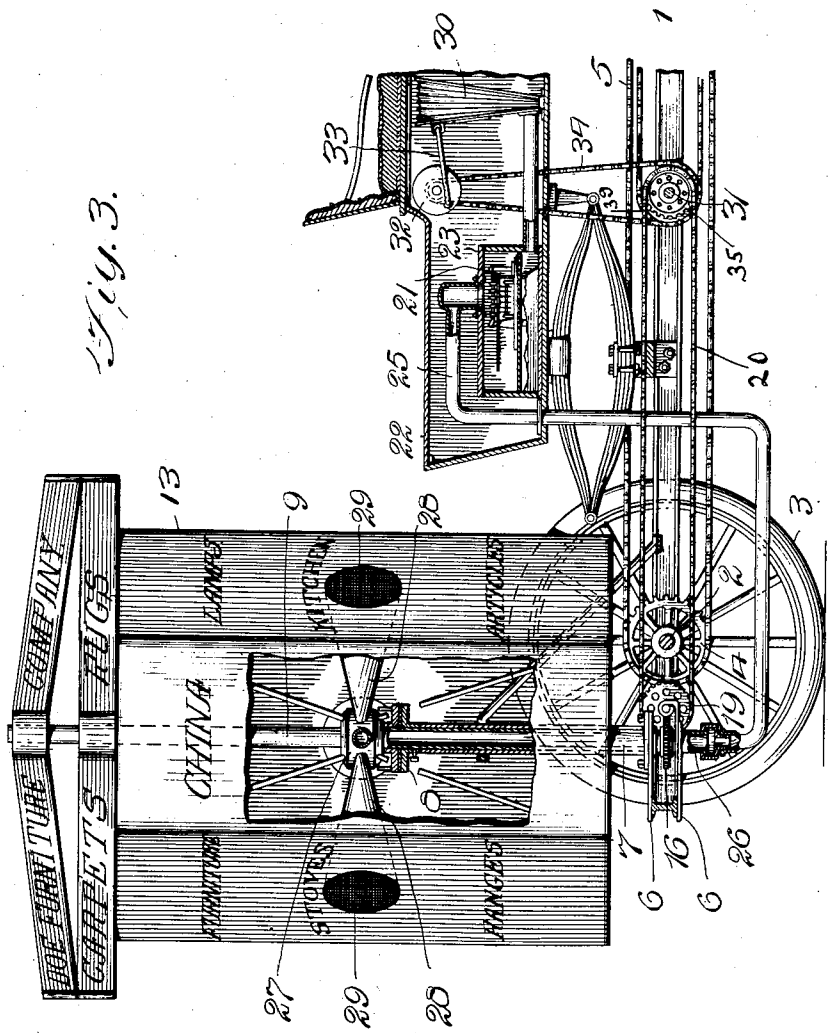
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2 SHEETS—SHEET 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

ALEXANDER W. MacARTHUR, OF PHILADELPHIA, PENNSYLVANIA.

ADVERTISING DEVICE.

No. 814,383. Specification of Letters Patent. Patented March 6, 1906.

Application filed December 19, 1904. Serial No. 237,401.

To all whom it may concern:

Be it known that I, ALEXANDER W. MacARTHUR, a citizen of the United States, and a resident of the city of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Advertising Devices, of which the following is a full, clear, and complete disclosure.

The object of my invention is to provide a device for advertising purposes, such that the attention of the public will be attracted to the signs or pictorial or other advertisements for wares or goods by means of moving parts and sound devices carried by a vehicle.

Briefly stated, my invention comprises a revolving body having the wares or goods described or pictorially represented on the surface thereof, which body may be provided with sound-conducting devices causing the sounds to issue from said body, the means for producing said sounds being invisible.

For a full, clear, and exact description of different embodiments of my invention reference may be had to the following specification and to the accompanying drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my improved advertising device, shown as carried by the rear axle of an automobile, parts being broken away and shown in section to show the operative mechanism. Fig. 2 is a plan view of the device shown in Fig. 1; and Fig. 3 is a view similar to Fig. 1, but showing the mechanism for producing and conducting the sound to the advertising device.

Referring to the drawings, the numeral 1 indicates the carrying-frame of the body of an automobile or other vehicle. 2 is the rear axle thereof, and 3 the rear wheels thereof. In the case of an automobile the rear axle carries a sprocket-wheel 4, which is adapted to be engaged by a suitable sprocket-chain 5, connected with the motor or driving-engine. The frame 1 carries a suitable bearing or support 6, to which is attached a hollow sleeve 7, on the upper end of which rests a disk or plate 8, keyed or otherwise secured to a shaft 9. Through the sleeve 7 passes the shaft or spindle 9, carrying a central enlargement or hub 10, which is loosely mounted on said shaft and from which project suitable supports or braces 11, attached to the frame 12 of the body of the advertising device 13. Also carried loosely by said spindle 9 and below the hub 10 is a disk 14, which corresponds in shape to the disk 8 and rests upon the latter, a suitable pad or plate of frictional material 14′ being imposed between said disks. The disk 14 is provided with pins 15, adapted to extend between the braces 11. To the lower end of the shaft or spindle 9 is attached a gear 16, which is adapted to mesh with a worm 17, carried by a transverse shaft 18. Attached to one end of the shaft 18 is a sprocket-wheel 19, which is adapted to be connected with the driving mechanism through a suitable sprocket-chain 20.

It will now be seen that when the motor carried by the automobile or other vehicle is put in operation the sprocket-wheel 19 will be revolved and owing to its connection with the spindle 9 will revolve the same, together with the disk 8 secured thereto. The said disk 8 will in turn rotate the disk 14 through the body or plates of frictional material 14′, and the pins 15, contacting with the braces 11, will rotate the whole advertising device. This motion of the advertising-body will successively present all sides and surfaces of said body to the public, thereby calling attention to the wares or other goods pictorially described thereon. It will thus be seen that the rotating frame may be revolved at all times when the motor of the vehicle is in operation, and this is true whether the vehicle itself is moving or not, and, further, provides the means whereby the advertising device may be turned on its shaft whether the said shaft is rotated or is stationary.

In addition to the above-described device I may provide a sound device which comprises a suitable musical instrument—such as a music-box, organ, talking-machine, whistle, &c.—as indicated at 21, which is preferably located within the box of the vehicle 22. Said instrument is preferably inclosed within a casing 23 and has a pipe or conduit 25 extending therefrom and beneath the vehicle, so as to communicate with the vertical spindle 26, which in this case will be hollow and which communicates with the hub 27, also made hollow. Extending from the hub 27 and passing through or terminating at the surface of the advertising-body 13 are a series of amplifying-horns 28, the openings for which may be provided with screens 29 to give the appearance of an uninterrupted surface to the body of the advertising device. The other parts of this form of my invention are similar to that described in connection with the first form. In order to more effectively convey the sound from the sounding de

vice to the body of the advertising device, I prefer to compress the air and make the same more dense about the sounding device 21 and also to cause a blast to be carried through the tube 25 and the hollow spindle 26. For this purpose I provide a bellows 30 or other similar air-compressor, which is preferably driven from the counter-shaft 31 through a crank-disk 32 and pitman 33, connected to said shaft by means of a sprocket-chain 34. In this form of my device I preferably mount the shaft 31 to sprocket-wheels 35 36, upon the former of which I pass the sprocket-chain 20, connected to the sprocket-wheel 19, while the latter (36) is connected with the driving-motor by means of the driving-chain 20'. It will now be seen that when the driving-motor is in operation the body of the advertising device 13 will be rotated in the manner before described, and at the same time the bellows 30 will be operated to compress the air within the casing 23, which will thereby carry the sound of the sounding device 21 through the tube 25, the spindle 26, and out through the amplifying-horns 28. This will not only cause the ears of the public to be affected by the proximity of the advertising device, but will also cause wonder and astonishment by the apparent lack of visible means for producing the sounds.

I claim—

1. An advertising device, comprising a vehicle, a rotating body carried by said vehicle having advertising matter represented thereon, a vertical spindle upon which said body is carried, a sleeve carried by the body of the vehicle, and having a bearing at its upper end for supporting said spindle, the lower end of said spindle being connected with driving mechanism carried by said vehicle.

2. An advertising device, comprising a vehicle, a rotating body carried by said vehicle having advertising matter thereon, a vertical spindle, a hub on said spindle, and having supports or braces extending therefrom to said rotating body, a sleeve carried by the frame of the vehicle through which said spindle passes, a bearing carried by the upper end of said sleeve adapted to support said spindle, and means connected with the lower end of said spindle for rotating the same, said means being connected with a suitable motor-driven means carried by the vehicle.

3. An advertising device comprising a vehicle, a sound-conveying spindle carried thereby, a body carried by said spindle, having advertising matter thereon, sound-producing means carried by said vehicle, and connections between said sound-producing means and the said spindle.

4. An advertising device comprising a vehicle, a sound-conveying spindle carried thereby, a rotating body having advertising matter thereon carried by said vehicle, and mounted on said spindle, sound-producing means carried by said vehicle, and connections between said sound-producing means and the said spindle.

5. An advertising device, comprising a vehicle, a rotating body carried by said vehicle, a hollow spindle upon which said body is carried, sound-conveying means connected with said spindle and extending to the surfaces of said body, a sound-producing device, and means connecting said sound-producing device with said spindle.

6. An advertising device, comprising a vehicle, a rotating body carried by said vehicle having advertising matter thereon, a hollow spindle upon which said body is mounted, a hollow hub carried by said spindle, sound-conducting means radiating from said hub and extending to the surfaces of said body, a sleeve carried by the frame of the vehicle, and having a bearing at its upper end for said spindle, a sound-producing device, and a tube connecting said sound-producing device with said spindle.

7. An advertising device, comprising a vehicle, sound-amplifying means carried by said vehicle, a sound-producing device, means connecting said amplifying means with said sound-producing means, and means for causing an air-pressure about said sound-producing means, the blast produced by said pressure being adapted to aid in carrying the sound-waves to said amplifying means.

8. An advertising device, comprising a vehicle, a body having an advertising member carried thereon, sound-amplifying devices within said body, a sound-producing device, and means for causing an air-pressure about said sound-producing device, and a conduit connecting said sound-producing device with said amplifying means.

9. An advertising device, comprising a vehicle, a rotating body carried by said vehicle having advertising matter thereon, amplifying-horns located within said body, a sound-producing device, a casing inclosing said sound-producing device, means for producing an air-pressure within said casing, and a conduit connecting said casing with said sound-amplifying means.

In witness whereof I have hereunto set my hand this 16th day of December, A. D. 1904.

ALEXANDER W. MACARTHUR.

Witnesses:

JOHN F. GRADY,

EDW. W. VAILL, Jr.