G. A. STAFFORD.

ADVERTISING EXHIBITOR AND PHONOGRAPHIC ANNUNCIATOR.

APPLICATION FILED MAY 16, 1910.

998,721. Patented July 25, 1911.

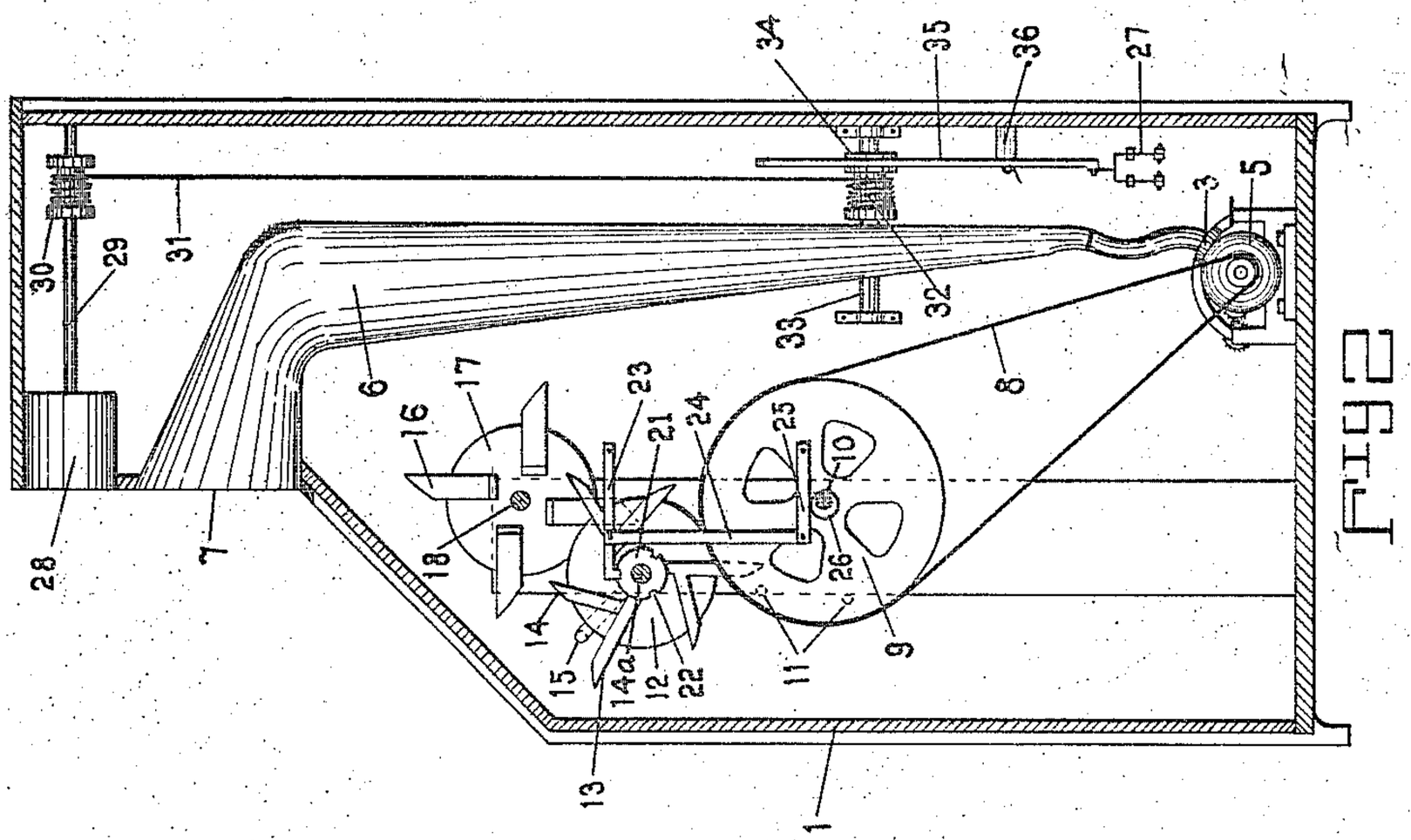

FIG 2

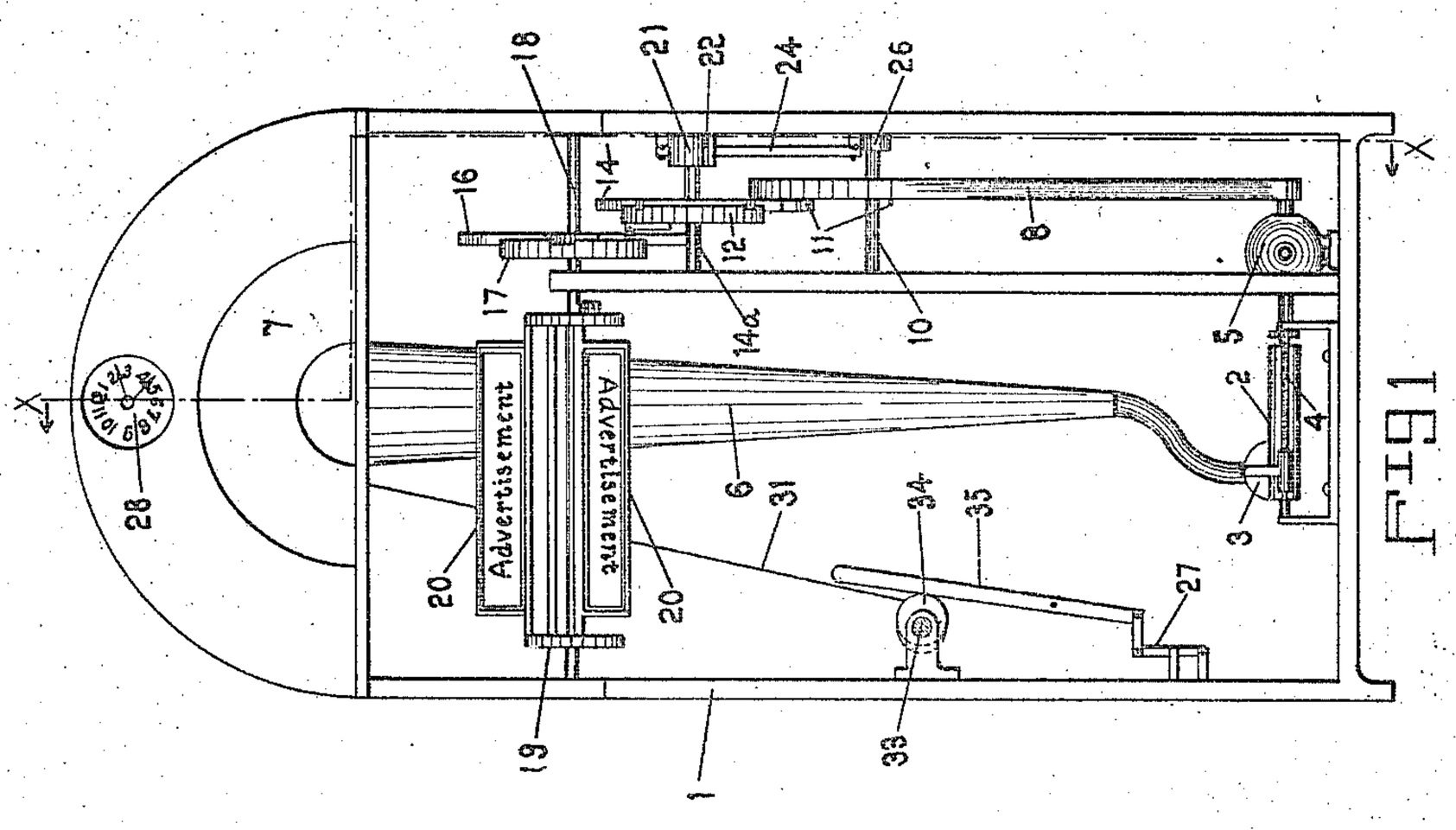

FIG 1

WITNESSES:

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GEORGE A. STAFFORD, OF BELCHERVILLE, TEXAS.

ADVERTISING-EXHIBITOR AND PHONOGRAPHIC ANNUNCIATOR.

998,721. Specification of Letters Patent. Patented July 25, 1911.

Application filed May 16, 1910. Serial No. 561,564.

To all whom it may concern:

Be it known that I, GEORGE A. STAFFORD, a citizen of the United States, residing at Belcherville, in the county of Montague and State of Texas, have invented certain new and useful Improvements in Advertising-Exhibitors and Phonographic Annunciators, of which the following is a specification.

My invention relates to new and useful improvements in advertising exhibitors and phonographic annunciators. Its object is to provide a changeable advertising exhibitor, which may be displayed in any public place, which exhibitor will make visible a new advertisement at regular intervals, and which will be provided with a phonograph adapted to call out the advertisements at the same time that they are displayed.

A further object of the invention is to provide a suitable periodic mechanism which will produce a displacement of the device for receiving the advertisements at the proper intervals.

A still further object is to provide means by which the mechanism may be automatically set in motion at any desired time by means of clockwork.

Finally the object of the invention is to provide a device of the character described that will be strong, durable, simple and efficient, and comparatively easy to produce, and also one, the various parts of which will not be likely to get out of working order.

With these and various other objects in view, my invention has relation to certain novel features of construction and operation an example of which is described in the following specification, and illustrated in the accompanying drawing, wherein:

Figure 1 is a front view of the exhibitor, the front wall of the casing of said exhibitor being removed. Fig. 2 is a sectional elevation of the exhibitor taken on the line x—x of Fig. 1.

Referring now more particularly to the drawing wherein like numerals of reference designate similar parts in all the figures, the numeral 1 denotes the casing of the exhibitor. In the bottom of this casing is provided a phonograph of the usual construction. 2 designates the cylinder thereof, 3 the reproducer, and 4 the feed screw. A horn 6, having connection with the reproducer, extends to the upper portion of the casing where it is provided with an outlet 7. An electric motor 5 is adapted to operate the phonograph. Through a belt 8 and a pulley 9 the motor 7 is also adapted to communicate rotation to a shaft 10 mounted transversely of the cabinet. The pulley 9 is provided with two pins 11 near its rim, which pins are adapted to contact with a star wheel of peculiar construction. This wheel consists of a disk 12 provided with a number of pairs of arms 13 and 14 said wheel being mounted upon a shaft 14^a. The pins 11 are adapted to contact successively with these arms, a partial rotation of the star wheel resulting. The star wheel is provided with a radial arm 15 which once in each revolution contacts one of a plurality of arms 16 carried by a disk 17 mounted on a shaft 18. Upon the shaft 18 is mounted a drum 19 which carries a number of advertising signs 20.

In order that each advertisement may remain stationary after reaching its proper position to be displayed, a collar 21 having a number of transverse grooves 22 upon its face is mounted on the shaft 14^a, and a pawl, 23, is pivoted adjacent to said collar, its extremities being adapted to engage the grooves thereof. This pawl is connected by a vertical lever 24 with the extremity of a pivoted lever 25 resting upon a cam 26 carried by the shaft 10. During each revolution of the shaft 10 the lever 25 is lifted by the cam 26 causing the pawl 23 to release the collar 21 and thus permitting a new advertisement to be displayed.

An electric switch 27 by which the motor 7 may be started is adapted in the following manner to be set into operation at any set time by an alarm clock 28 mounted in the upper portion of the casing. The key 29 by which the alarm is wound is extended to the rear of the casing forming a shaft to receive a drum 30. A cord 31 having one of its extremities wound on the drum has its other extremity extending to a drum 32 mounted upon a spindle 33. Said spindle also carries a cam 34 which bears against one extremity of the lever 35 pivoted at 36. The other extremity of the lever is attached to the switch 27, being adapted to close the same. This switch will be opened manually when it is desired to stop the phonograph.

In the operation of the machine, if it be desired to start the mechanism at any given time the alarm of the clock is set for the desired time. As the alarm goes off there

takes place a rotation of the key 29, which rotation is communicated through the cord 31 to the cam shaft 33, and thus to the above described mechanism for closing the switch.

It is obvious that an endless web or apron might be substituted for the revolving reel 19 and that various other changes might be made in the above described device without departing from the spirit or sacrificing the advantages thereof. I therefore reserve the right to make such changes and alterations in said device as fairly come within the scope of the following claim:

What I claim is:

In an advertising device, the combination with a rotatable receiver for a plurality of advertisements; of a motor, a shaft driven by said motor, a cam on said shaft, a second shaft carrying means adapted to rotate the receiver periodically from the first named shaft, a collar on said second named shaft, said collar having a series of grooves therein, a pawl pivoted adjacent to said collar and having one end in engagement therewith, a lever pivotally mounted with one end resting on said cam, a connection between said pawl and lever, whereby when said cam is rotated, said pawl will be disengaged from the grooves to display a new advertisement, a phonograph arranged to be operated by said motor adapted to announce each advertisement as it is displayed and a mechanism by which the aforesaid motor may be set in operation at any desired time.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE A. STAFFORD.

Witnesses:

J. S. MURRAY,

S. R. HICKMAN.