

No. 822,734.

PATENTED JUNE 5, 1906.

L. GREENBERG.
ADVERTISING DEVICE.
APPLICATION FILED NOV. 15, 1905.

Fig: 1

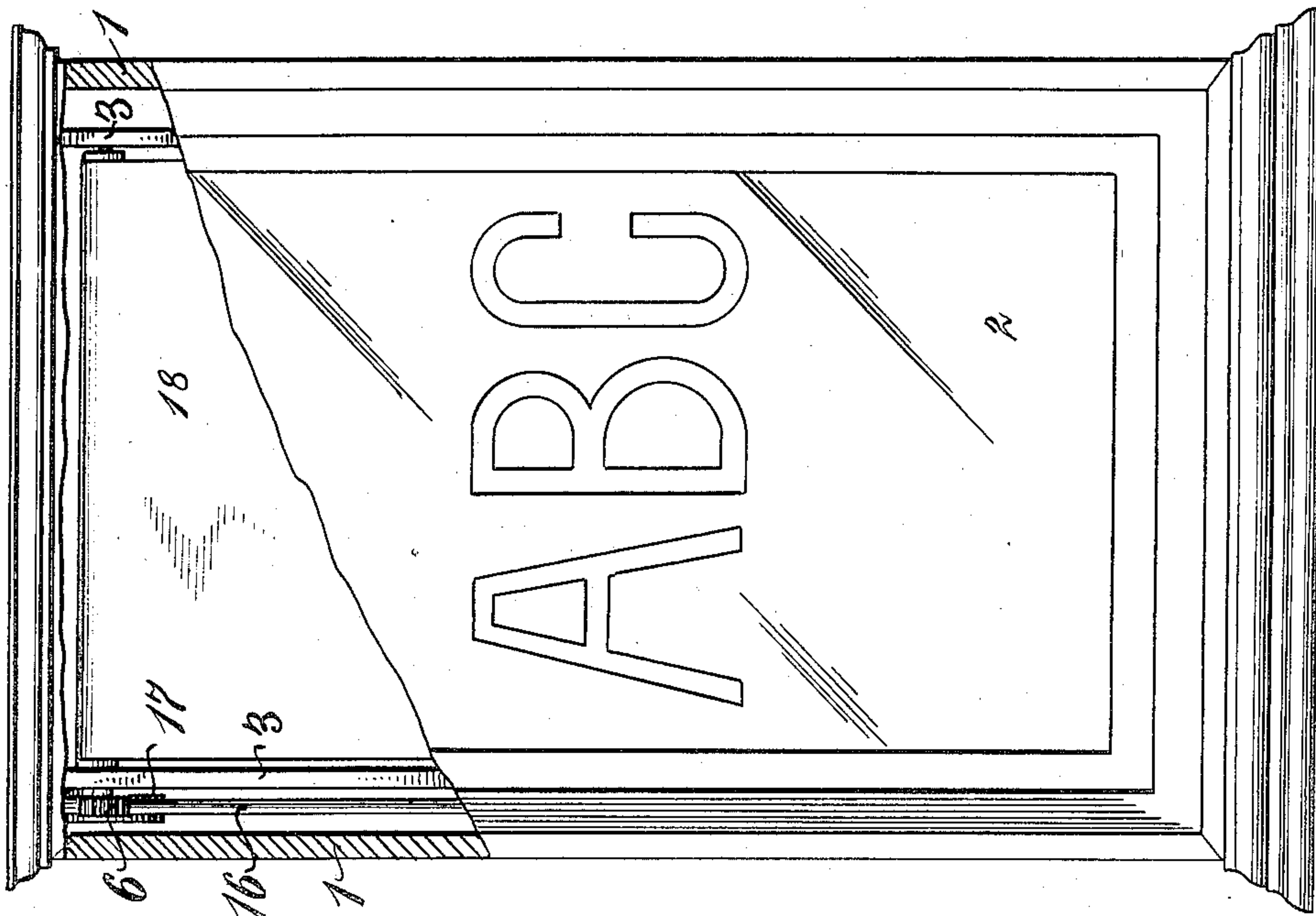
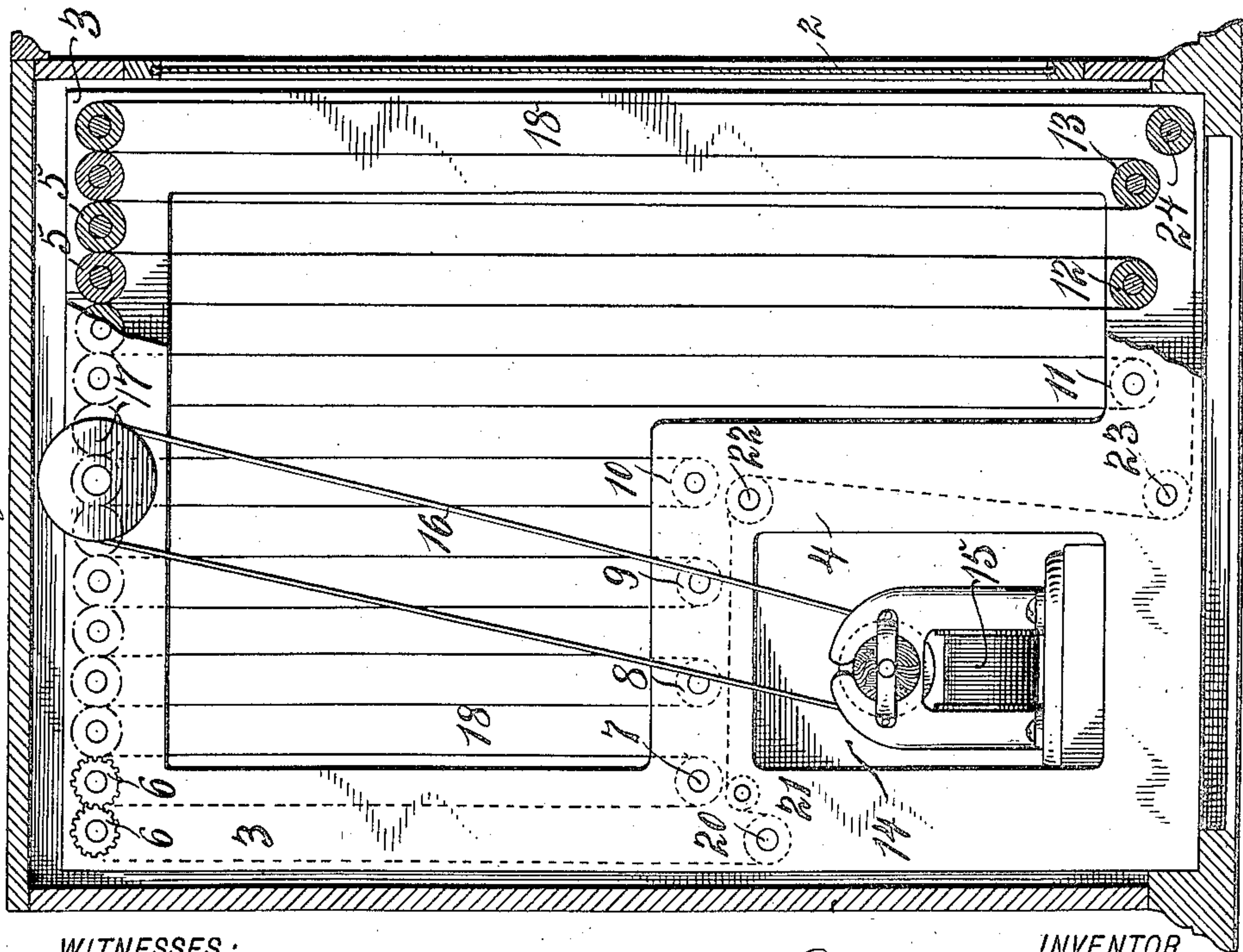


Fig: 2



WITNESSES:

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ADVERTISING DEVICE.

No. 822,734.

Specification of Letters Patent.

Patented June 5, 1906.

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To all whom it may concern:

Be it known that I, LEON GREENBERG, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Advertising Devices, of which the following is a specification.

This invention relates to advertising devices such as are intended successively to display a large number of different advertisements.

The objects of the invention are to improve and simplify the construction of such devices; furthermore, to increase their efficiency in operation and to decrease the expense attending their manufacture.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction, hereinafter described and claimed as a practical embodiment thereof.

In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation, partly in section, of an advertising device constructed in accordance with my invention. Fig. 2 is a front to rear section of the same with parts broken away to better show the construction.

Like reference-numerals indicate corresponding parts in the different figures of the drawings.

The reference-numeral 1 indicates a casing which may be of any suitable form and construction. The forward end of the casing 1 is formed with an opening 2, in which is placed a sheet of glass. The advertisements which are to be displayed show up through the opening 2. Mounted in the casing 1 in any suitable manner is a pair of side plates or frames 3, each of which is formed in one corner with an elbow-section 4.

Journaled between the upper ends of the side plates 3 is a set or plurality of friction-rolls 5. Each of the friction-rolls 5 is provided on one of its ends with a gear-wheel 6. By means of the gear-wheels 6 all the rolls 5 are geared together, so as to rotate simultaneously.

The set of idle rolls 7 8 9 10 11 12 13 is journaled between the lower ends of the side plates 3, the rolls 7, 8, 9, and 10 being preferably journaled upon the upper end of the elbow-sections 4 of the two side plates, so as to

provide a chamber 14, in which is mounted a motor 15, that may be of any suitable form and construction. The motor 15 is connected, by means of a belt 16, with a belt-wheel 17, mounted upon the shaft of one of the friction-rolls 5. The motor 15 serves to operate all of the friction-rolls 5 simultaneously through the gearing which connects said rolls with each other.

The advertising matter is printed or otherwise placed upon an endless belt 18, which extends around the friction-rolls 5, idle rolls 7 8 9 10 11 12 13, and around a set of guide-rolls 20, 21, 22, 23, and 24, journaled between the side plates, the roll 22 being journaled between the elbow-sections 24, so as to hold the endless belt out of the way of the motor 15.

It will be observed that the lower set of idle rolls is made up of seven rolls, while the upper set of friction-rolls is made up of fifteen rolls. While this number may be decreased or increased, the proportion of seven to fifteen will in most cases be maintained—that is to say, the upper set will consist of one roll more than twice the number of rolls in the lower set. By means of this arrangement the endless belt 18 after passing around the roll 24 and up past the opening 2 extends over the first roll at the top, then around the idle roll 13, then over the third friction-roll at the top, then under the roll 12, then over the fifth friction-roll at the top, and so on. By providing approximately twice as many friction-rolls 5 as are needed for actually supporting the endless belt the intermediate rolls act as friction means for pressing the endless belt against the supporting-rolls around which it passes, so that all liability of the belt slipping upon the rolls, and thus standing still when the rolls are rotating, is avoided.

Having thus described the invention, what is claimed as new is—

An advertising device comprising a casing having an opening therein, a pair of side plates in said casing, each of said side plates having an elbow-section in one corner thereof, a plurality of idle rolls journaled on the elbow-section of the two plates, a plurality of similar idle rolls journaled upon the lower edges of the two plates, a plurality of friction-rolls journaled between the upper edges of the two plates, gearing for causing said friction-rolls to rotate simultaneously, an end-

less belt extending around every one of the
idle rolls and around every other one of the
friction-rolls, a plurality of guide-rolls for
guiding said endless belt, a motor mounted
5 in the chamber formed by the elbow-sections,
and a belt connecting said motor with said
friction-rolls substantially as described.

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

LEON GREENBERG.

Witnesses:

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