

(No Model.)

J. B. WILLIAMSON.
ADVERTISING DEVICE.

No. 433,841.

Patented Aug. 5, 1890.

Fig. 1.

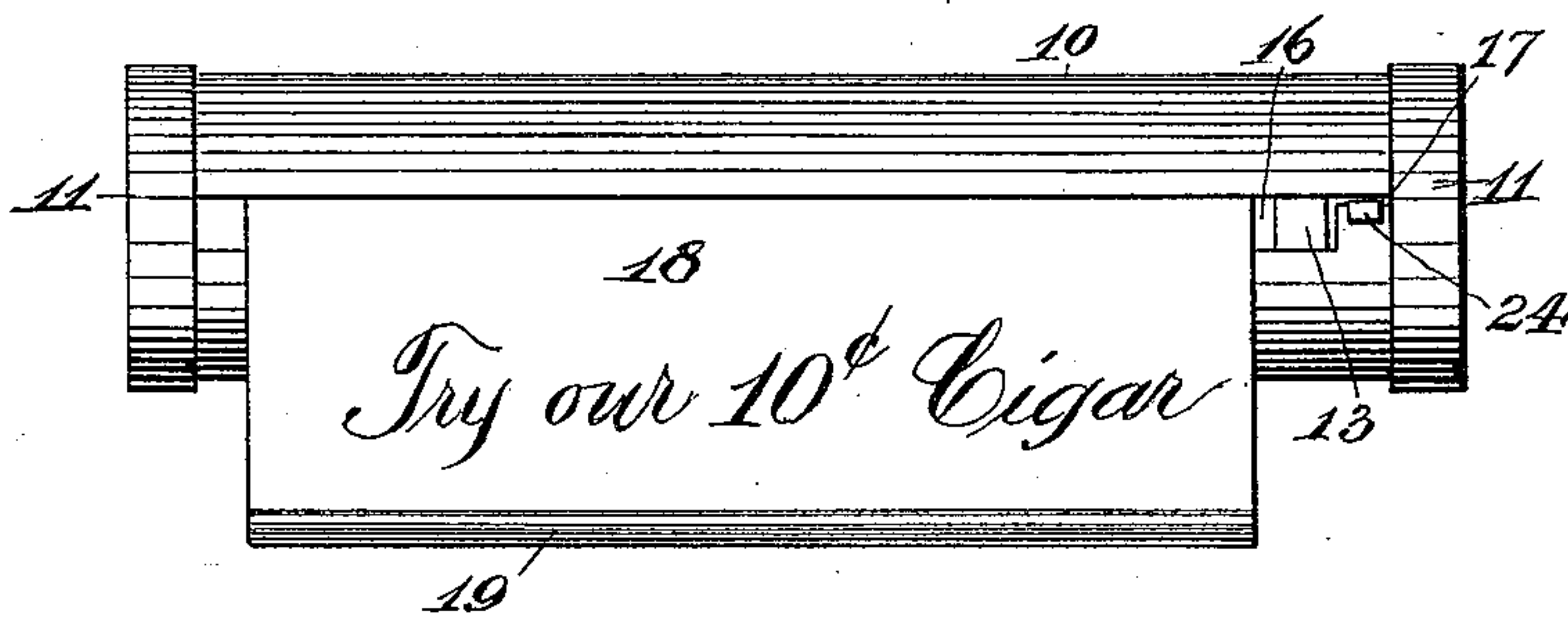


Fig. 2.

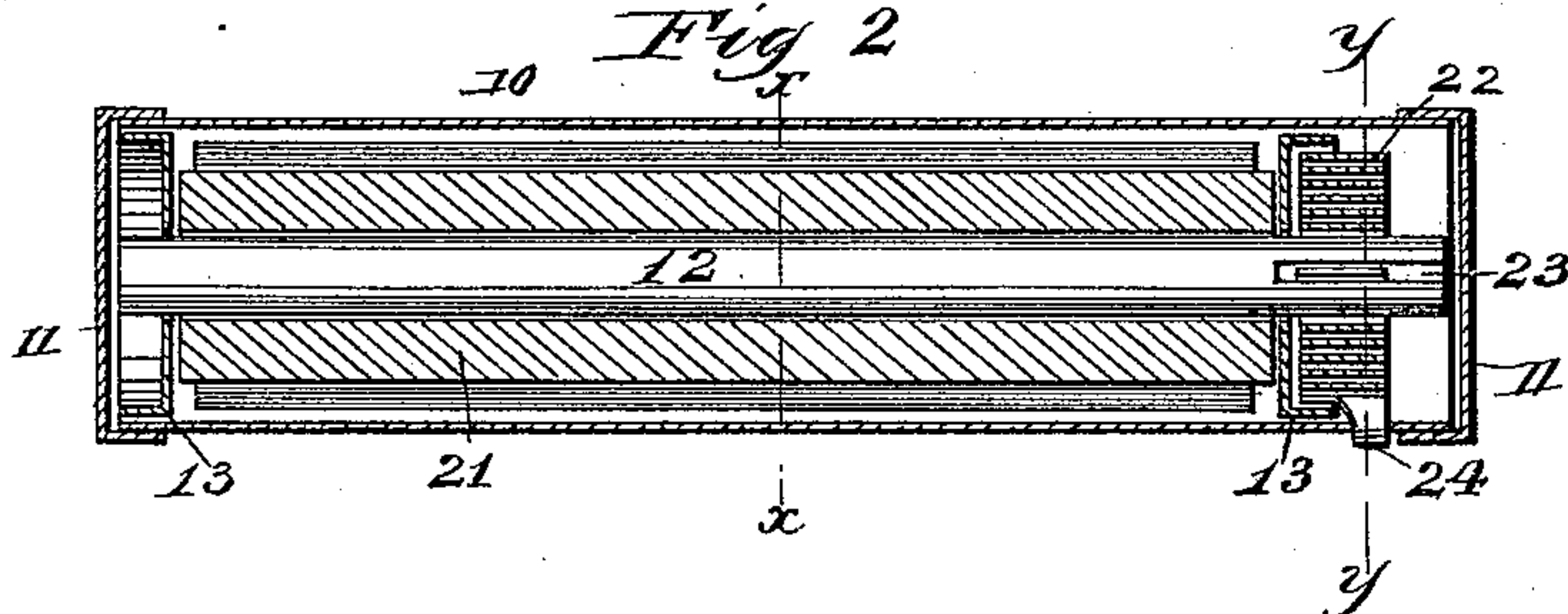


Fig. 3.

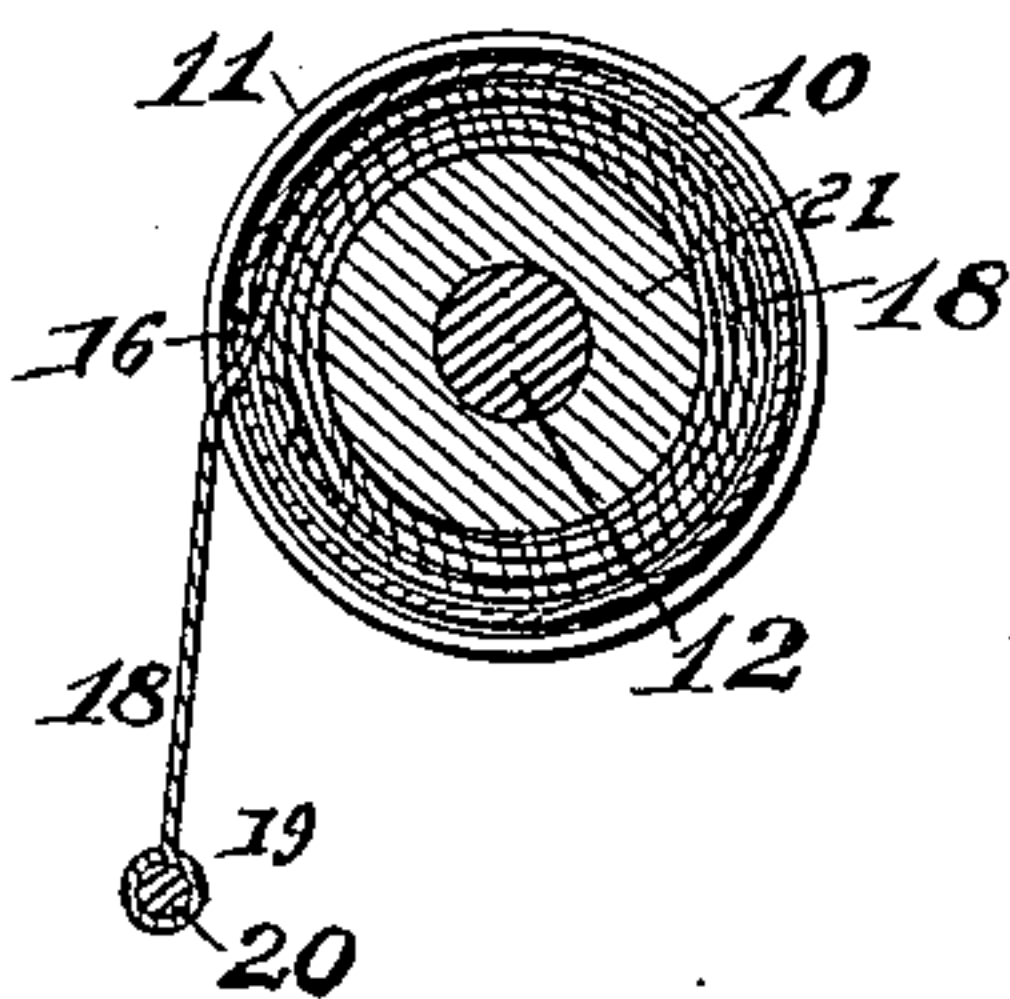


Fig. 4.

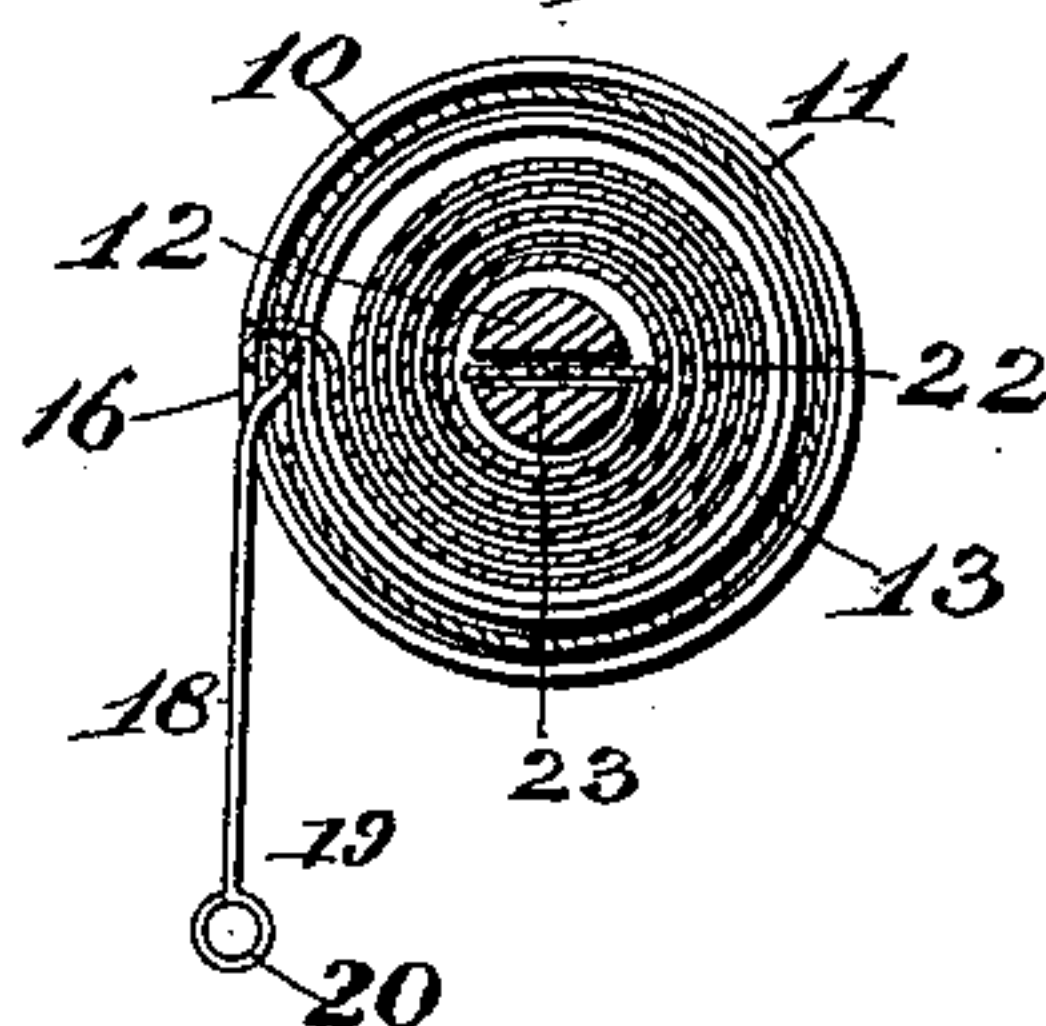
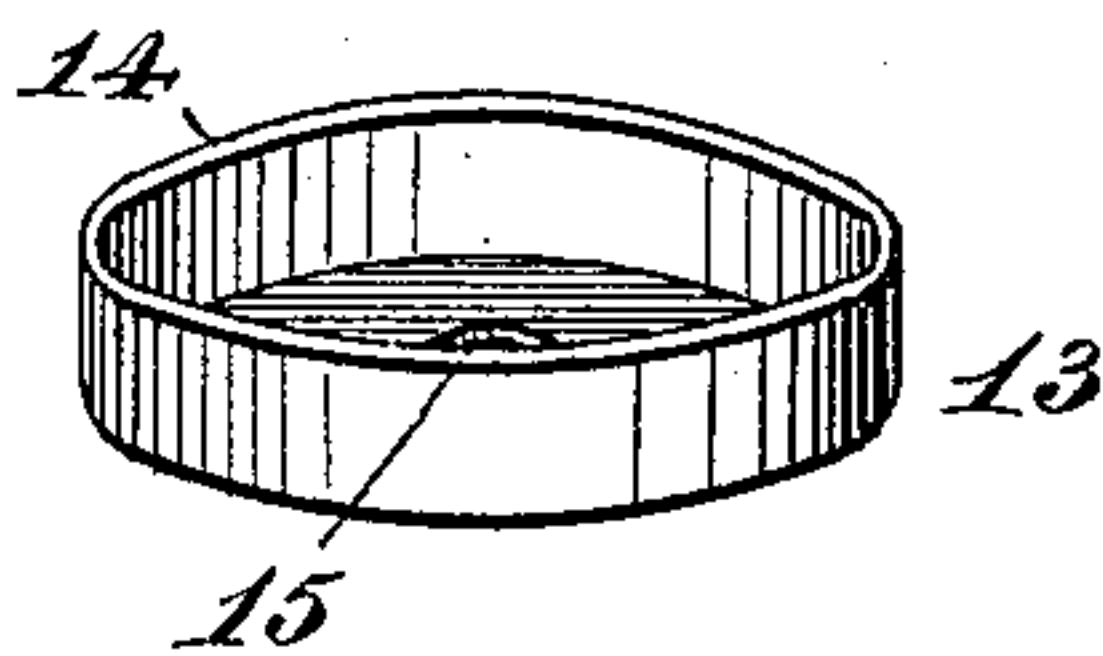


Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN B. WILLIAMSON, OF LOUISVILLE, KENTUCKY.

ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 433,841, dated August 5, 1890.

Application filed April 27, 1889. Serial No. 308,798. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. WILLIAMSON, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Advertising Devices, of which the following is a full, clear, and exact description.

My invention relates to a portable advertising device, and has for its object to so construct the device that a tape or scroll may be drawn outward therefrom and automatically returned when released, upon which scroll or tape any advertising matter or information may be printed or produced.

A further object of the invention is to provide a device of this character embodying but few parts and capable of being manufactured at a minimum cost.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter more fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the device, illustrating the tape or scroll as being drawn outward a slight distance. Fig. 2 is a central vertical and longitudinal section through the device. Fig. 3 is a section on line *xx* of Fig. 2. Fig. 4 is a section on line *yy* of Fig. 2, and Fig. 5 is a detail perspective view of one of the bearings for the scroll-shaft.

In carrying out the invention the body consists of a preferably-cylindrical body 10, constructed, ordinarily, of thin plate metal and provided at each end with a cap or head 11, which caps or heads may be detachable from the body or firmly secured thereto. Longitudinally within the body a spindle or shaft 12 is held to revolve in disk-bearings 13, one of which is illustrated in detail in Fig. 5. The said bearings are provided with an annular flange 14 and a central aperture 15 to receive the shaft, and are located within the body in such manner that the flanges will face the caps or heads 11, as illustrated in Fig. 2. The body is provided with a longitudinal slot or opening 16, which may, if desired, extend from end to end, that portion of

the opening near the extremities of the body being much reduced, as illustrated at 17 in Fig. 1.

Through the larger portion of the opening 16 one end of a tape or scroll 18 is projected, the inner end of which tape or scroll is firmly secured to the shaft or spindle 12. This tape or scroll may be of a width equivalent to the length of the larger portion of the opening or slot 16 of the body, as illustrated, or smaller, if so desired. The outer end of the tape or scroll is enlarged, as illustrated at 19, whereby the said end is prevented from being drawn through the body-opening. This enlargement may be produced by securing to the tape a metal or wooden bar or rod 20, as illustrated in Figs. 3 and 4; but I do not confine myself to such construction. The inner end of the tape is not secured directly to the spindle, but to a thimble or sleeve 21, which is fast to the spindle, and the said tape is adapted to be normally wound around said sleeve or thimble, as illustrated in the drawings. The tape or scroll is thus kept normally wound up through the medium of a coil-spring 22, one end of which spring is secured to the spindle 12, preferably by passing it through a slot 23 formed in one end, as shown in Figs. 2 and 4. The other end of the spring is passed through the reduced portion of the body-opening 16 and clamped down upon the body, as illustrated at 24 in Fig. 1, and in addition to pressing the end of the spring upon the body a rivet may be passed through it, if desired.

The spring 22 is preferably placed immediately in front of one of the disk-bearings 13, and is thereby protected by the said bearing and the flange of the same; but if in practice it is found desirable the spring may be made to face the sleeve or thimble 21 and the bearing at that end be placed between the cap of the body and the spring.

The action of the spring 22 is such that the tape will be made to normally remain wound upon the sleeve or thimble 21. Upon the faces of the tape or scroll any advertising matter or information may be printed or otherwise produced, and in practice when the tape or scroll is drawn outward from the body for the purpose of reading the said information or advertisement and is released after the

same has been read, the spring, acting automatically, returns the tape to its normal position.

Having thus described my invention, I
5 claim as new and desire to secure by Letters Patent—

An advertising device consisting in the
tubular case 10, having a longitudinal slot 16,
the disk-bearings 13, having peripheral flanges
10 14 fitting the bore of the case, the shaft 12,
mounted on said disks and having a slot 23
at one end, the flat coiled spring having its

inner end entering the slot 23 and its outer
end 24 bent over one wall of the slot 16, the
sleeve or thimble 21 on the shaft, the strip or 15
scroll secured to said thimble or sleeve and
extended through the slot, and the end caps
11, inclosing the ends of the case, substan-
tially as set forth.

JOHN B. WILLIAMSON.

Witnesses:

SAM WEBB,

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