

O. R. BUCK.

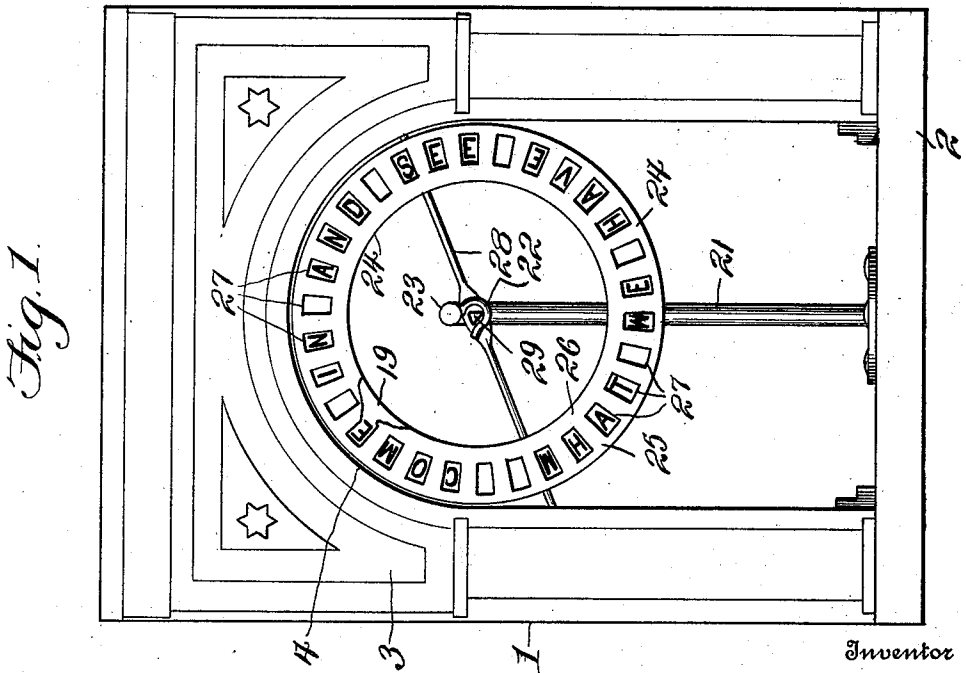
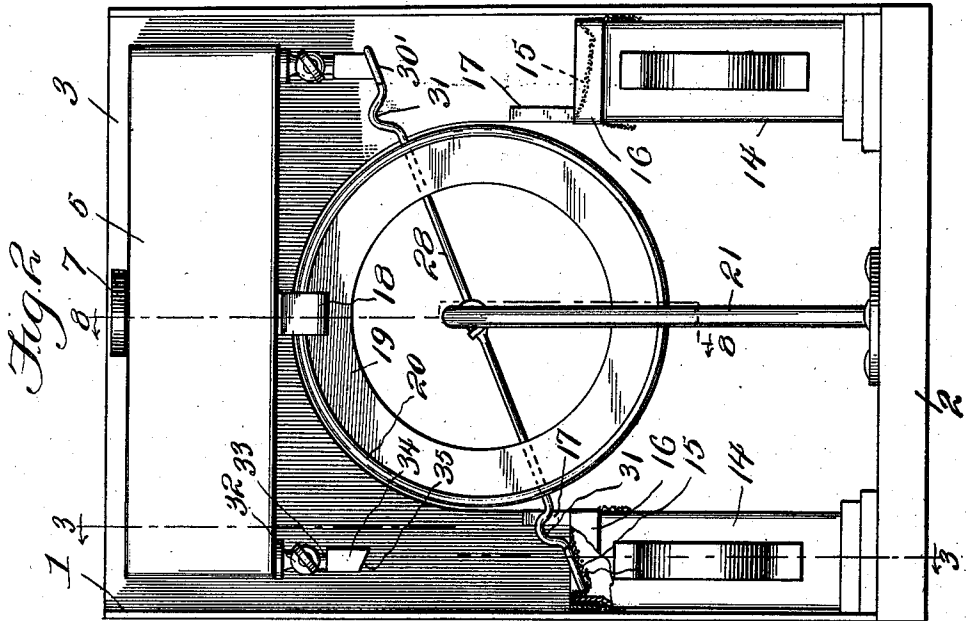
SIGN.

APPLICATION FILED DEC. 31, 1910.

1,014,564.

Patented Jan. 9, 1912.

3 SHEETS-SHEET 1.



Witnesses

J. L. Wright
James E. Welch

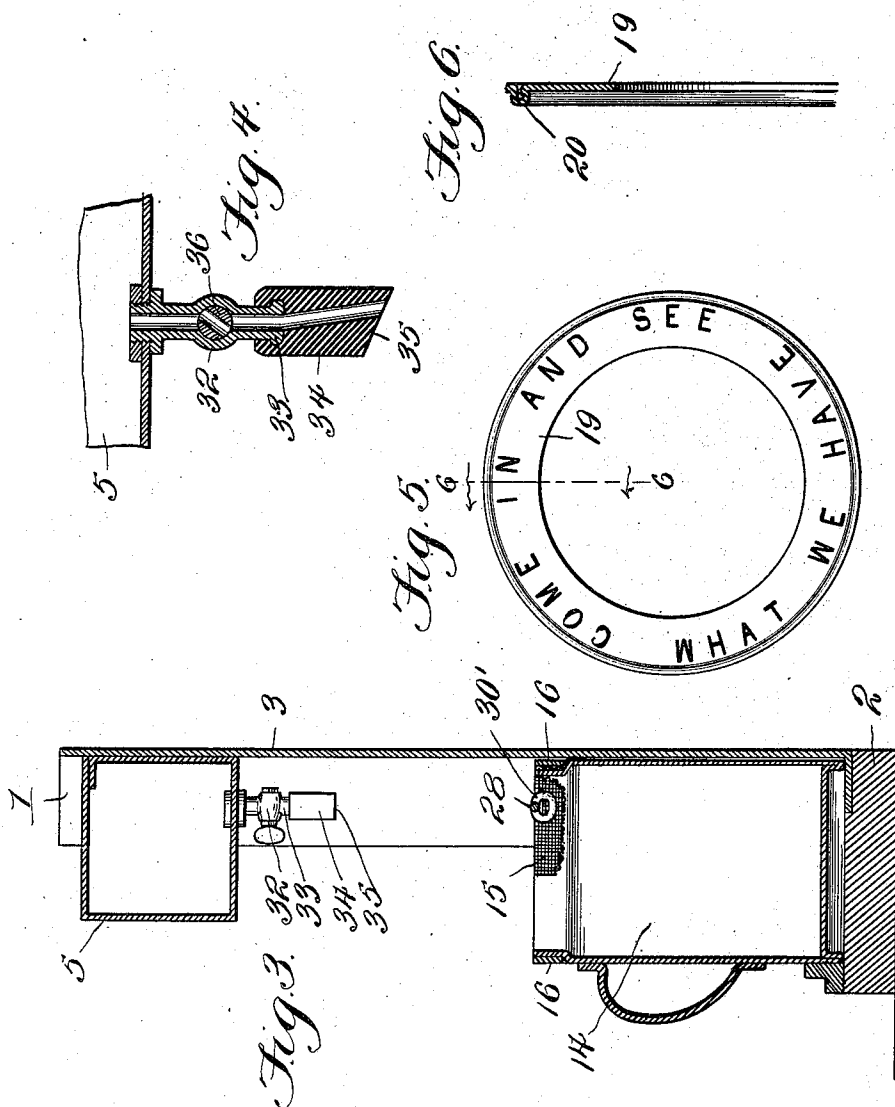
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3 SHEETS—SHEET 2.



Witnesses

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3 SHEETS—SHEET 3.

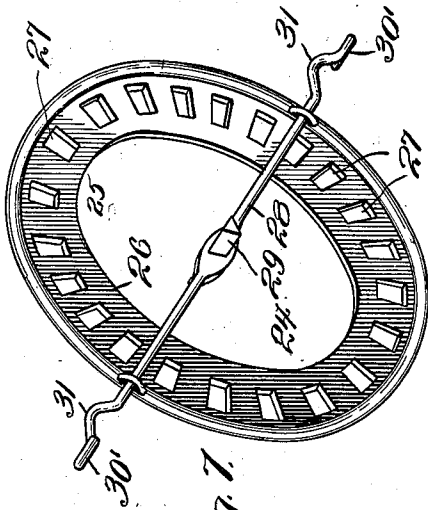


Fig. 7.

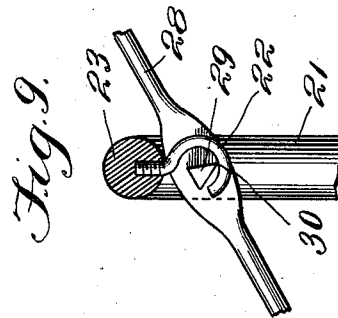


Fig. 9.

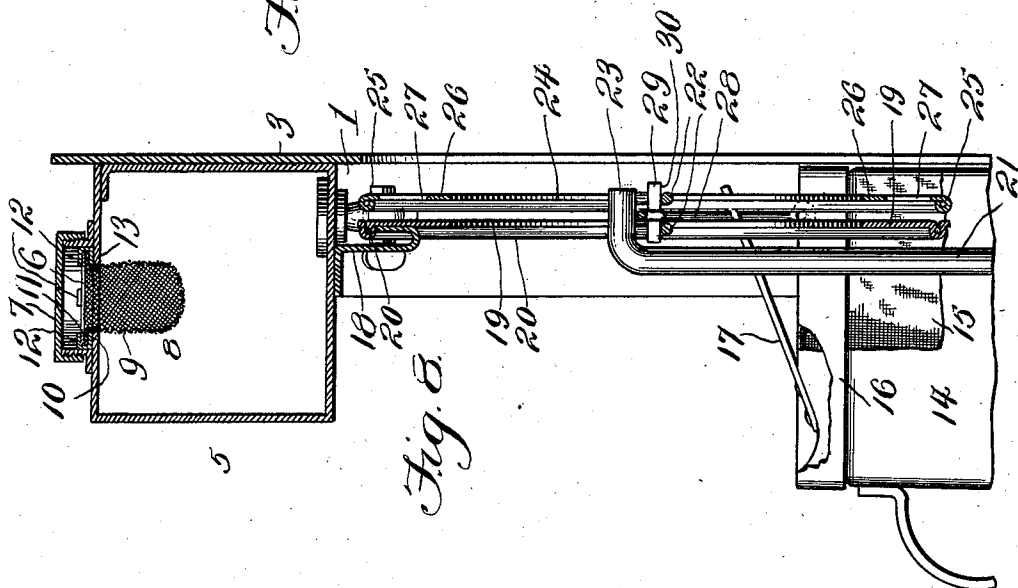


Fig. 8.

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UNITED STATES PATENT OFFICE.

OLIVER R. BUCK, OF HOTCHKISS, COLORADO.

SIGN.

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Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed December 31, 1910. Serial No. 600,306.

To all whom it may concern:

Be it known that I, OLIVER R. BUCK, a citizen of the United States, residing at Hotchkiss, in the county of Delta and State of Colorado, have invented new and useful Improvements in Signs, of which the following is a specification.

This invention relates to an advertising device and particularly to a sign, the object of the invention being to provide in a device of this character a movable attention attracting element in front of the sign and to provide novel and efficient means for moving the said attracting element.

In the drawings, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views—Figure 1 is a front view of the device. Fig. 2 is a rear view thereof. Fig. 3 is a section taken on the line 3—3 of Fig. 2. Fig. 4 is a detail section through a portion of the tank and through one of the valves. Fig. 5 is a plan view of the sign. Fig. 6 is a section therethrough on the line 6—6 of Fig. 5. Fig. 7 is a perspective view of the attention attracting element. Fig. 8 is a section taken on the line 8—8 of Fig. 2. Fig. 9 is a section through the supporting standard showing the manner of connecting the attention attracting element thereto.

The advertising device comprises a suitable frame, preferably the one shown at 1 in the drawings. The frame comprises a base 2 having a vertically extending front 3 in which is formed a view opening 4. At the top, the frame is provided with a horizontally disposed tank 5 in the top of which is a filling opening 6. A removable cap 7 closes the opening so as to prevent the entrance therinto of foreign matter. A strainer 8 extends downwardly into the receptacle from the opening, and as shown, the strainer comprises a suitable fabric receptacle 9 whose upper edge is secured between the clamping rings 10 and 11. The ring 10 is provided with a series of tongues 12 which are bent into overlapping engagement with the ring 11 so as to hold both rings operatively applied to the upper open end of the receptacle. When the receptacle is operatively associated with the tank 5 the ring 10 is seated against the shoulder 13 in the tank so as to prevent the strainer from being accidentally dropped into the tank as will be understood.

At each side of the opening 4 in the front

3 of the frame is a removable receptacle 14 and extending partly over the receptacle is a piece of cheese-cloth 15 or other suitable absorbent material to form a collector for a purpose to be hereinafter described. The absorbent material is secured to the receptacle by means of a suitable clamping band 16. At the top, and near one of the longitudinal edges the receptacle 14 is formed with a longitudinally extending leaf spring 17.

A depending hook 18 is secured to the bottom of the tank 5 immediately in line with the central portion of the opening 4 in the front 3, and as shown, this hook removably supports the sign 19 which consists preferably of a ring stamped from flat sheet material and having the desired descriptive matter on its front side. At the rear side, the ring is formed to provide an annular bead 20 which is engaged with the supporting hook 18 so as to hold the sign centrally with respect to the view opening in the front 3 of the frame. A supporting standard 21 extends upwardly from the base 2 of the frame and at the upper end, the standard is provided with a bearing 22. This bearing is preferably mounted on a forwardly extending portion 23 of the standard, and as illustrated, the bearing is disposed immediately at the center of the sign when the sign is operatively supported on the hook 18. A movable attention attracting element 24 is supported by the standard, and as illustrated, it comprises a ring 25 formed of flat material and providing a circular continuous portion 26 which is formed with an annular series of openings 27 to register with the characters of the sign on movement of the attracting element. A balance rod 28 is secured to the attracting element on the rear side thereof, and as shown, such balance rod is formed at its center with a balance pin 29 which is of substantially V-form in vertical section so as to present a knife edge 30. The balance pin 29 is mounted in the bearing 22 on the forwardly extending portion 23 of the standard which rises from the base 2 so as to provide most perfect means whereby the rod can be rocked but normally balanced so as to assume a horizontal position. The rod is extended at each end outwardly beyond the attention attracting element and at each extremity is formed a horizontal eye or weight-carrying element 30'. Immediately adjacent the eye the rod is formed with an

obstruction 31 which is substantially of V-form, the purpose of which will be herein-after described.

Near each end, the tank 5 is provided at its bottom with a valve 32 having a depending nipple 33 to which is secured a collector 34. The collector preferably comprises a short rubber tube which is formed on its lower surface to provide a relatively flat face 35. The valve may be of any well known construction which may be found most desirable for the purpose intended, but as illustrated, it is provided with a turning plug 36 whose port-way may be brought into the desired registration with the collector. The tank 5 is designed for the reception of water or any other liquid and the valves at the opposite ends of the tank are located immediately above the receptacles 14.

In operation of the advertising device herein described and shown, the sign is operatively supported by the hook 18, after which the attention attracting element is mounted in its bearing on the supporting standard 21 so as to be disposed immediately in front of the sign. When the attracting element is operatively supported on the standard the eye portions or weight-carrying elements at the ends of the balance rod are disposed immediately beneath the discharge tubes on the valves. The discharge tubes or collectors as herein previously termed on the discharge ends of the valves are of a construction which will permit the water discharged from the valves to collect or accumulate immediately on the flat lower surfaces of the tubes so that through capillary attraction in contact with the eye portions with the discharge ends of the tubes the water accumulated by the tubes will be taken up by the eye portions of the attention attracting element and through the weight of the water the element will be rocked. The rocking movement of the attention attracting element causes an alternating contact of the eye portions with the respective valves as will be understood. The absorbent material covering for the receptacles 14 are disposed in the path of travel of the eye portions of the collecting element so that the water on the collecting element will be taken up by the absorbent material. The spring at the top of each receptacle 14 is disposed in the path of the

eye portion of the attention attracting element so as to engage the same to cause a rebounding action to assist the attention attracting element to obtain a reverse movement. By providing the obstruction on the balance rod of the attention attracting element the water will be held against flowing longitudinally onto the rod. The openings in the attention attracting element while permitting one to readily view the advertising matter on the sign also accommodate the entrance of light rays which, from practice, in connection with a revolving element of the character specified operates to produce considerable attraction. The source of water supply described and the means for discharging the water from the receptacle and for depositing it onto the attention attracting element, forms a most efficient motor which can be manufactured and operated at a minimum cost. From the construction of the hook 18, I provide for the interchangeable engagement therewith of signs, each bearing different advertising matter. The outer surface of the attention attracting element may be colored in any suitable manner.

I claim:—

1. An advertising device embodying a supporting member, an apertured attention attracting member mounted thereon for rocking movement and having detachable engagement with the support, a hook located above the axis of the apertured member, and a sign removably mounted on the hook and disposed at one side of the apertured member and displayed therethrough on movement thereof.

2. An advertising device comprising a support, an apertured attention attracting member mounted for rocking movement thereon, a hook fixedly mounted above the axis of the apertured member, a sign disposed at one side of the apertured member and displayed therethrough and having a beaded portion for detachable engagement with the hook, and means for moving the apertured member.

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

OLIVER R. BUCK.

Witnesses:

H. L. BUCK,

G. S. HENDERSON.