

June 24, 1924.

1,499,016

R. E. GUYTON

ADVERTISING DIRECTORY

Filed Aug. 17, 1922

2 Sheets-Sheet 1

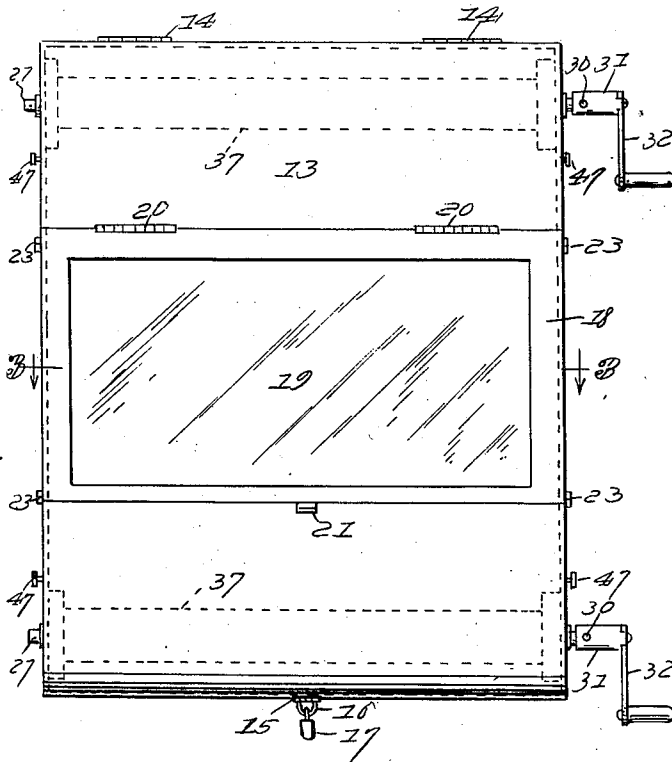


Fig. 1.

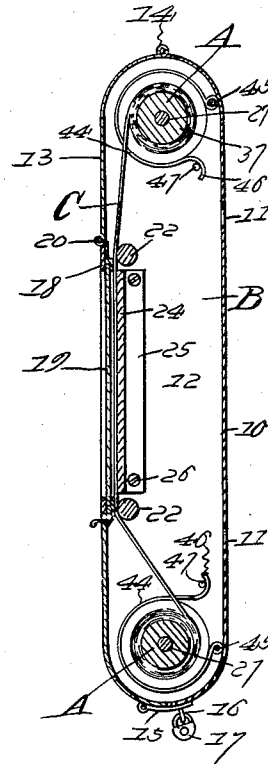


Fig. 2.

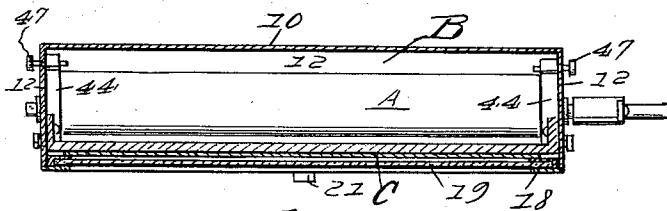


Fig. 3.

Inventor
R. E. Guyton,

By

J. Hume Talbot,

Attorney

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2 Sheets-Sheet 2

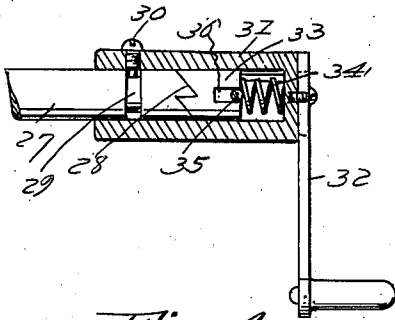


Fig. 4.

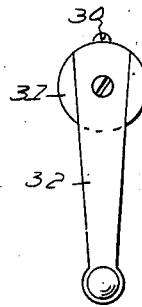


Fig. 5.

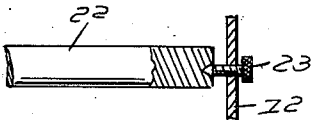


Fig. 6.

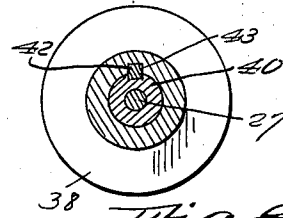


Fig. 8.

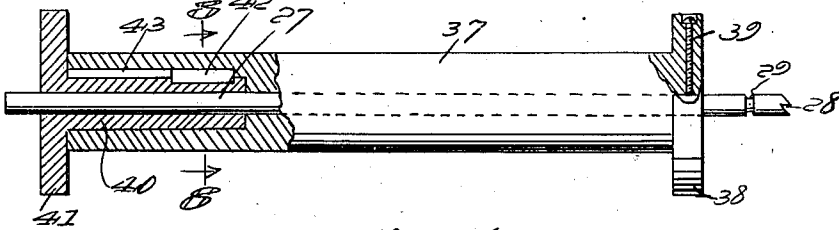


Fig. 7.

Inventor
R. E. Guyton,

By

G. M. T. T. T.

Attorney

UNITED STATES PATENT OFFICE.

RAYMOND E. GUYTON, OF ROANOKE, VIRGINIA, ASSIGNOR OF THIRTY-FIVE PER CENT TO WILLIAM H. BURT, OF ROANOKE, VIRGINIA.

ADVERTISING DIRECTORY.

Application filed August 17, 1922. Serial No. 582,473.

To all whom it may concern:

Be it known that RAYMOND E. GUYTON, a citizen of the United States of America, residing at Roanoke, in the county of Roanoke and State of Virginia, has invented new and useful Improvements in Advertising Directories, of which the following is a specification.

The purpose of the invention is to provide a simple and efficient device adapted to keep in compact form data such as the directory to an office building or other useful commercial data, the device being adapted at the same time to carry appropriate advertising matter and being also adapted for receiving inscriptions in the form of memoranda.

Illustrated and described in a specific embodiment, the invention is not to be restricted to such, further than is imposed by the appended claim.

In the accompanying drawings:

Figure 1 is a front elevational view of a device embodying the invention.

Figure 2 is a central vertical sectional view through the structure of Figure 1.

Figure 3 is a transverse sectional view taken on the plane indicated by the line 3—3 of Figure 1.

Figure 4 is a detail view partly in section and partly in elevation showing the ratchet connection between the operating handle and the rolls carrying the web or tape.

Figure 5 is an elevational view of the structure of Figure 4.

Figure 6 is a detail view partly in section and partly in elevation showing the pivotal mounting of the idle or direction roll.

Figure 7 is a view partly in elevation and partly in section of one of the web or tape rolls.

Figure 8 is a transverse sectional view taken on the line 8—8 of Figure 7.

Essentially the invention comprises a pair of spaced rolls A housed in a casing B and traversed by a web or tape C, the latter being adapted for the reception of the directory of an office building or for other useful commercial data together with advertising matter and, in cases where such is essential, adapted for the reception of necessary memo-

randa which may be inscribed with a pencil or pen.

The casing B in side profile is of oval construction as clearly indicated in Figure 2, being made preferably of metal the back wall 10 of which is provided with the perforations 11 by means of which the back wall may be secured to the wall of a building or permanently secured to a desk if the device is to lie on a desk. The side walls 12 are of oval shape as shown, and the back wall terminates half way of the width of the side walls both at the upper and lower ends, a front wall or cover 13 being hingedly connected as indicated at 14 with the rear wall at the upper edge of the latter and corresponding in shape to the rear wall but being of complementary construction and designed when in the position of closure to be held in such position by means of a hasp 15 engaging a staple 16 from which disengagement is prevented by means of a lock 17 or other appropriate means.

At an intermediate portion in its length the front wall or cover is provided with a supplemental frame 18 provided with a glass panel 19 through which the data on the web or tape C may be inspected. The panel frame 18 is hingedly connected with the cover as indicated at 20 and normally held in its position of closure by means of a spring latch 21, the latter permitting the panel to be swung upward or back so that the exposed portion of the web is accessible for the inscription of memoranda.

In order that the web or tape C may be maintained in a position so as to be readily observable through the glass panel, idler rolls 22 are provided and span the casing transversely above and below the glass panel, having pivot bearings consisting of screws 23 operable from the exterior of the casing and having coned extremities engaged in correspondingly shaped counterbores in the extremities of the rolls 22 which in practice are simply metal rods.

In order to provide a backing for the tape when the latter is to be used for the reception of memoranda, a table plate 24 is employed, this consisting preferably of a metallic plate of a width nearly equal to the dis-

tance between the two rolls 22 and having its extremities flanged as indicated at 25, these flange portions being secured by screws 26 or other means to the side walls 12 of the casing. Thus when it is desired to write on the tape or inscribe any desired memoranda on the same, the table plate 24 provides the backing to receive the thrust of the pencil or pen and thus damage or puncture of the tape or web is precluded.

The rolls A which the tape traverses are located respectively at the top and bottom of the casing and are mounted on shafts 27 journaled in the side walls of the casing, the shafts being extended at one side of the casing, preferably the right, and formed with axially disposed ratchet teeth 28, the exterior portions of the shafts being peripherally grooved as at 29 for the reception of the extremity of the set screw 30 carried by the hub 31 of an operating crank 32. The hub is of tubular construction and interiorly carries a ratchet 33 which is longitudinally movable in the hub but maintained normally in engagement with the ratchet teeth 28 of the shaft by a compression spring 34. Relative angular or turning movement between the hub and the ratchet is precluded by a transverse pin 35 engaging in the slot 36 formed in the ratchet. Thus turning movement of the handle positively imparts turning movement to the ratchet and if the teeth 28 of the shaft are in engagement with the teeth of the ratchet, the movement imparted to the crank handle is transferred to the shaft. It will be noted, however, that the ratchet provides for turning of the shaft only in one direction. Retrograde movement of the crank will, therefore, not tend to include the tape and thus cause a looseness or slackness between the two rolls. This is the reason for the provision of the ratchet handles. In order to cause the tape to traverse the rolls it is necessary to turn either the one handle or the other, depending upon the direction in which the tape is to be moved and if inadvertently the wrong handle be grasped and turned in the opposite direction, there will be no tendency to cause a slackness in the tape and a possible tangling due to the unwinding on one roll without a winding up on the other roll.

The rolls A comprise the cylindrical body portions 37 formed with terminal flanges 38. These rolls are made preferably of wood as well as the flanges 38, the latter receiving radial set screws 39 which bear upon the shaft 27 to secure the rolls to the shaft. Opposite the flanges 38, however, the body portions 37 are bored axially for the reception of thimbles 40 with which the remaining flanges 41 of the rolls A are formed. The thimbles are longitudinally movable with respect to the body portions of the rolls except when the rolls are disposed in the

casing when the side wall of the casing will preclude relative longitudinal movement but the thimbles are always precluded from angular movement with respect to the body portion 37 by means of keys 42 carried in thimbles and engaging keyways 43 in the body portions 37. This arrangement provides for detachable flanges at one end of the rolls A so that when necessary the tape may be slipped off the rolls without the necessity for having to unwind it therefor. In moving the tape or web to replace with another, the set screws 39 are loosened and the shafts 28 thereafter removed by sliding them longitudinally from their bearings in the side walls of the casing. This will permit the two rolls with their attached tape being lifted out of the casing after the cover has been raised. Thereafter the thimbles may be detached from the rolls and the tape slid off sideways, the reverse of this operation being performed in the attachment of a new tape or web.

That the movement of the rolls in the winding operation of advancing the tape before the side panel 19 may not move too freely, brakes or retarding elements or springs 44 are employed, these consisting simply of circular flat springs anchored as indicated at 45 by means of eyes formed in the extremities of the springs and engaging pins fixed in the side walls of the casing. The springs are made to embrace the peripheries of the flanges 38 and 41 of the rolls A and are held into close frictional contact by having their looped or hooked ends 46 engaged behind the pins 47 mounted in the side walls of the casing. In order to relieve the rolls from the action of the spring 44, the hooked ends are released from the pins and the expansive force of the springs releases them of peripheral contact with the flanges and thus the rolls are free to rotate and the set screws 39 become accessible so that the rolls may be removed in the manner hereinbefore described. The springs act as brakes to maintain a uniform tension on the web or tape and because of the ratchet connection of the operating handles with the drum shafts, the inadvertent slacking or buckling of the tape due to the careless turning of the handles in the wrong direction is positively precluded.

Having described the invention, what is claimed as new and useful is:—

A device for the purpose indicated comprising a casing having a front wall provided with a glass covered inspection opening, spaced rolls mounted in the casing, a web traversing said rolls, means for keeping the intermediate portion of the web adjacent the glass of said inspection opening, transverse shafts journaled in the casing and carrying said rolls of which the latter comprise cylindrical body portions and

flanges at one end, set screws radially disposed in said flanges and bearing upon said shafts, and thimbles carried on said shafts and telescoping the rolls at the ends opposite the flanges, the thimbles being precluded from angular movement with respect to the rolls and being provided with flanges corresponding to the flanges of the rolls, and operating handles having ratchet connections with the extremities of the shafts. 10

In testimony whereof he affixes his signature.

RAYMOND E. GUYTON.