

Jan 8, 1924.

G. ROBERTSON

1,480,469

COMBINED POSTAL AND ADVERTISING PILLAR

Filed Dec. 15, 1922

2 Sheets-Sheet 1

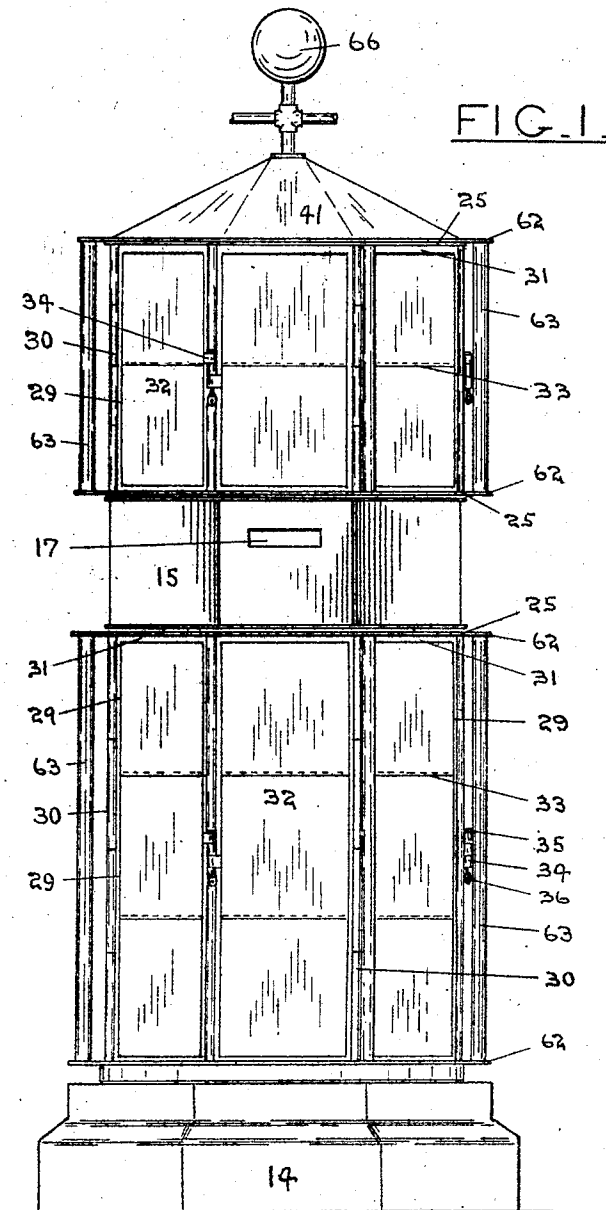


FIG. 3.

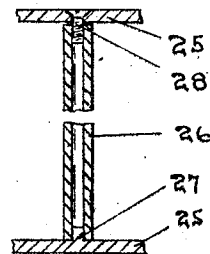
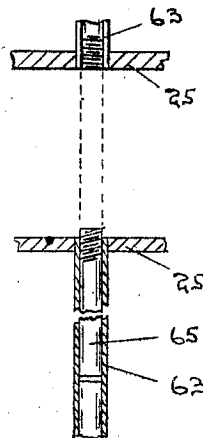


FIG. 4.



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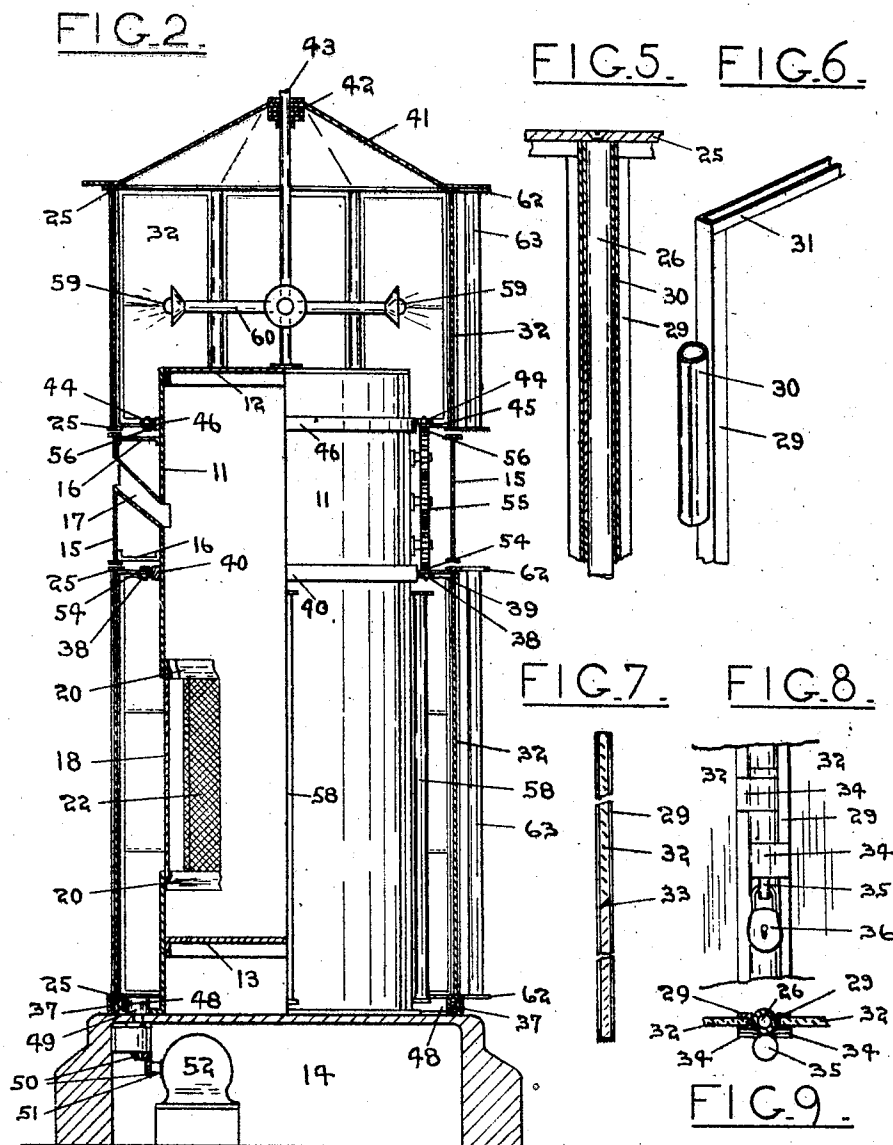
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COMBINED POSTAL AND ADVERTISING PILLAR

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

GREGOR ROBERTSON, OF ADELAIDE, SOUTH AUSTRALIA, AUSTRALIA.

COMBINED POSTAL AND ADVERTISING PILLAR.

Application filed December 15, 1922. Serial No. 607,145.

To all whom it may concern:

Be it known that I, GREGOR ROBERTSON, a subject of the King of Great Britain and Ireland, residing at 297 Carrington Street, Adelaide, State of South Australia, Commonwealth of Australia, have invented a certain new and useful Improved Combined Postal and Advertising Pillar, of which the following is a specification.

10 This invention relates to an improved combined postal and advertising pillar that may be used for all ordinary postal purposes and which also serves as an advertising medium.

15 According to my invention a plurality of advertisements are carried in a frame or frames that are rotatable relatively to a fixed postal pillar. The frames for carrying the advertisements are of special construction, and advertisements upon materials of a more or less transparent nature may be illuminated by lights in the interior of the structure. And further the frame or frames carrying the advertisements may be rotated, say by a motor, in any desired direction.

It will be understood that the parts of the structure may be constructed of any suitable materials and that the construction of the various parts and methods of operating the same may be varied according to well known practice.

One form of my invention will now be described with reference to the accompanying drawings in which—

Fig. 1 is a front elevation.

Fig. 2 is a sectional elevation with half of the postal pillar portion in section at right angles to Fig. 1.

Figs. 3 to 9 are views of details.

Fig. 3 shows the method of connecting vertical pipes 26 to the horizontal rings.

Fig. 4 shows a method of connecting the upper and lower rotatable parts.

Fig. 5 is a sectional view of the meeting edges of two of the hinged frames.

Fig. 6 is a perspective view of part of one of the hinged frames.

Fig. 7 is a sectional view showing two of the meeting panels which bear advertisements.

Fig. 8 is a front elevation of means for locking the hinged frames.

Fig. 9 is a plan of Fig. 8.

The stationary postal pillar for the receipt of mail matter has a wall 11 with top

12 and bottom 13 and is carried by a hollow base 14. Near the top of the pillar is a fixed shrouding cylinder 15 attached to the wall 11 by fixed stays 16 and carrying a chute 17 leading to the interior of the pillar. Near the bottom of the pillar is a curved door 18 that is slidable in guides 20 and the path of its travel is screened by netting 22 to prevent the moving door coming into contact with the contents of the pillar. This door may be locked by any suitable means, and any suitable alarm devices may be provided therewith to prevent unauthorized persons tampering with the contents of the pillar.

Arranged about the lower part of the pillar between the shrouding cylinder 15 and the base 14 is a rotatable frame, and another rotatable frame is provided above the shrouding cylinder.

Each of these frames comprises upper and lower horizontal rings 25 connected by vertical pipes 26 which are fixed in position by engaging studs 27 at the lower end and by screw studs 28 at the upper end, see Fig. 3. This construction permits the ready positioning and removal of the pipes. The alternate pipes 26 form hinge rods for a plurality of hinged frames 29 which are hinged thereto by means of tubular sections 30 brazed or otherwise secured to the backs of the frames 29.

The frames 29 are of channel section except at the top 31 which consists of parallel bars to permit of the insertion of the panels 32 upon which the advertisements are displayed. The meeting edges of the panels 32 are bevelled as at 33, see Fig. 7, to exclude dust, rain and the like. The hinged frames are locked in closed position by means of tubular lugs 34 brazed or otherwise secured upon the outer edges of the frames and coupled together by a vertical pin 35 having a perforation through its lower end to take a padlock 36.

The lower rotatable part is supported upon runners 37 or ball bearings and is held in position concentric to the pillar by means of rollers 38 fixed to the inner end of radial arms 39 and adapted to travel around a circumferential track 40 encircling the pillar.

The upper rotatable part is connected to a cover portion 41 and the whole is suspended upon a ball bearing 42 arranged about a central standard 43 and held in position

concentric to the pillar by rollers 44 that are fixed to the inner ends of radial arms 45 which travel around a circumferential track 46.

5 The lower rotatable part is adapted to be rotated by means of a driving ring 48 and a friction roller 49 driven through gears 50 and shaft 51 from a motor 52 within the base 14.

10 Motion is transmitted from the lower to the upper rotatable part through toothed ring 54, gear wheels 55, and toothed ring 56. The toothed ring 54 is secured to the lower rotatable part, the ring 56 to the upper rotatable part, and the gear wheels 55 are mounted upon pins projecting from the wall 11 of the pillar. The gear wheels 55 may be arranged to rotate the upper part in the same direction as the lower part or in the opposite direction thereto.

20 The interior of the structure may be illuminated as desired. As illustrated the interior of the lower rotatable part is illuminated by light tubes 58 affixed to the postal pillar while the upper part is illuminated by lamps 59 upon radial arms 60 projecting from the standard 43.

Supported upon ears 62 projecting outwardly from the frame rings 25 are vertical pipes 63 that serve as protective stops between the hinged frames 29 when they are opened back to back either for the purpose of removing mail matter or for the purpose of changing or replacing advertisements. 30 The rotatable parts may if desired be rotated by hand by means of these pipes, and in these circumstances the upper and lower parts will be coupled by one or more connecting pipes 65 as shown in dotted lines in Fig. 4. The pipe 65 is slidable vertically in the lower pipe 63 and when it is desired to couple the two rotatable parts it is raised and its upper end screwed into the screw-threaded lower end of the upper pipe 63.

45 Preferably the structure is surmounted by a light as 66 which may have a distinguishing numeral.

As illustrated the rotatable parts are hexagonal in cross section but they may be of any other cross section as desired and the panels may be flat or curved.

What I claim as my invention is—

1. A combined postal and advertising pillar comprising a stationary postal pillar adapted to receive the mail matter, said pillar having adjacent its upper end an opening for placing the mail therein and near the bottom a door for removing the mail, lower and upper frames rotatable about the upper and lower parts of the stationary pillar in spaced relation to each other, hinged frames attached to such main frames, and panels carried by the hinged frames upon which advertisements are displayed.

65 2. A combined postal and advertising pil-

lar comprising a stationary postal pillar carried by a hollow base, a fixed shrouding cylinder near the top of the pillar and rigidly attached thereto, a shute carried by the shrouding cylinder and leading to the interior of the pillar, a frame about the lower part of the pillar supported by runners upon the said base and held concentric to the pillar by rollers travelling around a track encircling the pillar, and means for rotating said frame comprising a driving ring on the frame and a friction roller engaging said driving ring and driven by means of a shaft and gears from a motor in said base.

3. A combined postal and advertising pillar comprising a stationary postal pillar carried by a hollow base, a fixed shrouding cylinder near the top of the pillar and rigidly attached thereto, a frame about the lower part of the pillar supported by runners upon the said base and held concentric to the pillar by rollers travelling around a track encircling the pillar, a frame about the upper part of the pillar suspended by a ball bearing from a central standard and held concentric to the pillar by rollers travelling around a track encircling the pillar, and means for connecting such upper and lower frames comprising two toothed rings secured to the upper and lower frames respectively and gear wheels connecting said toothed rings and mounted upon pins projecting from the wall of the pillar.

4. In a combined postal and advertising pillar, the combination with upper and lower rotatable advertising carrying frames, of a postal receptacle about the upper and lower ends of which the frames rotate, said receptacle comprising a stationary pillar, a cylindrical shrouding cylinder rigidly attached by stays to the pillar near its top, a shute carried by such cylinder leading to the interior of the pillar, and a door near the bottom of the pillar.

5. In a combined postal and advertising pillar, the combination with a stationary postal pillar of a frame rotatable about the lower part of the pillar and supported by runners upon the base of the pillar and comprising upper and lower horizontal rings connected by vertical pipes, a plurality of hinged frames hinged to the alternate vertical pipes by means of tubular sections brazed or otherwise secured to the backs of the hinged frames, a plurality of panels slidable in said hinged frames made of translucent material upon which advertisements are displayed, and means for locking said hinged frames in closed position.

6. In a combined postal and advertising pillar, the combination with a stationary postal pillar and a central standard rising therefrom of a frame rotatable about the upper part of the pillar and suspended by

a ball bearing from the central standard and comprising a cover portion and upper and lower horizontal rings connected by vertical pipes, a plurality of hinged frames
5 hinged to the alternate pipes by tubular sections brazed or otherwise secured to the backs of the hinged frames, a plurality of panels slidable in said hinged frames made of translucent material upon which advertise-
10 ments are displayed, and means for locking said hinged frames in closed position.

7. In a combined postal and advertising pillar, the combination with a stationary postal pillar and upper and lower frames
15 rotatable about same, of a plurality of frames hinged thereto, each such frame be-

ing made of material of channel section except at the top which is of parallel bars, and each such frame having on its back two or more tubular sections whereby it is hinged
20 to the vertical pipe of the main frame and having on its outer edge a projecting tubular lug whereby it may be locked.

In testimony that I claim the foregoing as my invention I have signed my name
25 in the presence of two subscribing witnesses this 10th day of November, 1922.

GREGOR ROBERTSON.

Witnesses:

ARTHUR GORE COLLISON,
KATHLEEN GOSTWYCKE SAUNDERS.