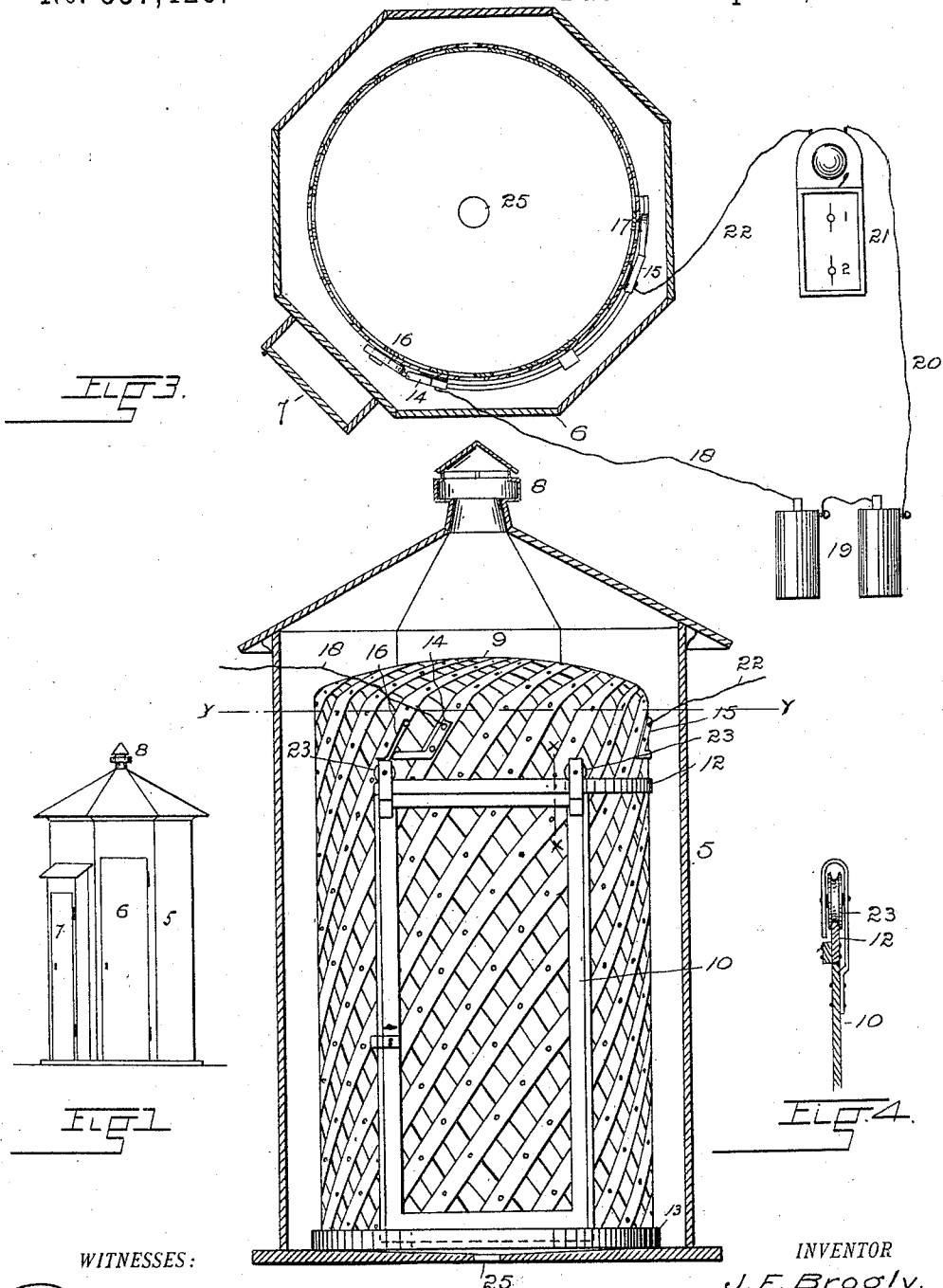


(No Model.)

J. F. BROGLY.
SAFETY PATROL BOX.

No. 537,426.

Patented Apr. 9, 1895.



J. F. Brogly
Chas. E. Dawson

FIG. 2

BY *J. F. Brogly*
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JOSEPH F. BROGLY, OF DENVER, COLORADO.

SAFETY PATROL-BOX.

SPECIFICATION forming part of Letters Patent No. 537,426, dated April 9, 1895.

Application filed January 28, 1895. Serial No. 536,428. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. BROGLY, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Safety Patrol-Boxes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in safety patrol boxes for use in cities or towns having patrol wagons to carry prisoners from the vicinity of their arrest to the lock-up, jail or city prison.

My improved patrol box comprises an inner cage and an outer casing concealing the cage. This cage is of sufficient size to hold one or more prisoners and is so arranged that they may be detained with perfect safety until the arrival of the patrol wagon; while in the meantime, the officer who has made the arrest and placed the prisoner in the box, is free to proceed upon his beat, and is not required to give the person under arrest further attention.

An important feature of this invention is an electrical attachment whereby the movement of the cage door opens and closes a circuit in which is placed suitable alarm mechanism located at the central station, whereby those in charge of the patrol service are automatically notified that the wagon is needed at the box containing the prisoner.

The invention consists further of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is an elevation of my improved safety patrol box. Fig. 2 is a vertical longitudinal section taken through the outer casing, and on a larger scale, the cage being shown in elevation. Fig. 3 is a horizontal section, taken on the line $y-y$, Fig. 2. In this view, the electrical attach-

ments on the cage are shown in circuit with a suitable alarm or signaling device. Fig. 4 is a section taken on the line $x-x$, Fig. 2.

Similar reference characters indicating corresponding parts or elements in these views, let the numeral 5 designate the outer casing provided with a door 6 and an auxiliary box or receptacle 7 which may contain a telephone and such other appliances as may be found necessary in connection with a box of this class. The top of the casing is constructed with reference to ventilation as shown at 8. The inner case 9 should be made of metal in order that it may be perfectly secure. As shown in the drawings it is constructed of steel ribbons riveted together, and formed circular in horizontal section. The door 10 is provided with pulleys 23 at the top engaging a suitable track 12 attached to the cage. The bottom of the door is held in place by a vertical circumferential flange 13 attached to the bottom of the cage and forming a retaining groove for the door between the flange and the body of the cage. The top of the door engages the lower edge of the track and prevents the possibility of lifting the door from its position.

Attached to the cage but insulated therefrom are two contacts 14 and 15 composed of some material forming a good conductor of the electric current. Adapted to engage these contact plates, and attached directly to the cage, are the springs 16 and 17 lying in the path of the top of the door as it is moved on the track. As shown in the drawings, the springs and the contact plates are so arranged that when the door is closed, the spring 16 is disengaged from the corresponding contact; while when the door is wide open, the spring 17 is disengaged from the contact 15. From the contact 14 leads a conductor 18 to one pole of a suitable source of electricity, designated on the drawings by the numeral 19. As shown in the drawings, this electrical source comprises two small cells. This representation, however, must be considered typical of any suitable source capable of supplying the current for operating the signaling devices. From the other pole of the source leads a conductor 20 to the signaling device 21; and

from this device leads a conductor 22 to the contact plate 15.

From the construction and arrangement of the parts described, it will be observed that when the springs 16 and 17 are in engagement with their respective contact plates 14 and 15, the circuit will be closed through the medium of the metal cage, since the springs 16 and 17 are directly attached thereto. As soon as the door is moved backward in the act of opening, the spring 16 engages the contact 14 and the circuit remains closed until the door is moved to the wide-open position, when the door engages the other spring 17 and disengages it from the contact 15, thus again breaking or opening the circuit. As soon as the door is moved from the wide-open position, as in the act of closing, the circuit is again closed and remains closed until the door is shut, when the spring 16 is again disengaged from its contact 14, and the circuit broken. Hence, when the door 10 is opened to put in a prisoner, the signal is automatically given at the central or patrol station through the instrumentality of a suitable device 21 which is located thereat, and the wagon will be sent to the box as early as convenient. No special haste, however, is required, since after the officer effecting the arrest has shut the door the prisoner is safe and requires no further attention from the officer. The door should be provided with a spring lock so that when closed it is securely fastened automatically.

The bottom of the cage may be formed of cement or metal and is suitably inclined toward an opening 25 in the center connected with the sewer whereby the box may be thoroughly cleaned by turning in water from the adjacent hydrant or fire plug.

Having thus described my invention, what I claim is—

1. In a safety patrol box, the combination of the outer casing, the inner cage provided with a sliding door, contacts attached to the cage but insulated therefrom, an electrical circuit, conductors leading to the contacts on the cage, signaling mechanism located in the circuit, and springs attached directly to the cage and adapted to engage the contacts, said springs being located in the path of the door, whereby the circuit is opened and closed by

the movement of the door, substantially as described.

2. In a safety patrol box, the combination with the outer casing of the inner cage having a sliding door, an electrical circuit, signaling mechanism located therein, contacts attached to the cage and connected with conductors of the circuit, springs engaging said contacts, the springs being connected by a suitable conducting medium and lying in the path of the door, whereby the circuit is controlled by the movement of the latter, substantially as described.

3. In a patrol box, the combination of an outer casing and an inner cage, the latter being composed of metal and formed circular in horizontal section, the cage being provided with a door shaped to conform to the arc of its curvature, the body of the cage being provided with a track adapted to engage anti-frictional devices attached to the door, whereby the latter is adapted to move in an arc whose radius is measured from the center of the cage, substantially as described.

4. A safety patrol box comprising an outer casing and an inner cage, the two parts having suitable doors, the bottom of the cage being inclined toward a suitable opening formed therein and connected with the sewer, substantially as described.

5. In a safety patrol box, the combination of the outer casing and the inner cage, the latter being formed of metal ribbons riveted together and provided with a sliding door, substantially as described.

6. In a safety patrol box, the combination of the cage having a sliding door, an electrical circuit, signaling mechanism located therein, and suitable devices attached to the cage and located in suitable proximity to the door, said devices being connected with the circuit, the arrangement being such that the circuit is controlled by the movement of the door, substantially as described.

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

JOSEPH F. BROGLY.

Witnesses:

CHAS. E. DAWSON,
CHARLES MARTIN.