

G. P. BURRIS.
MAIL CHUTE.
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930,936.

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Fig. 1

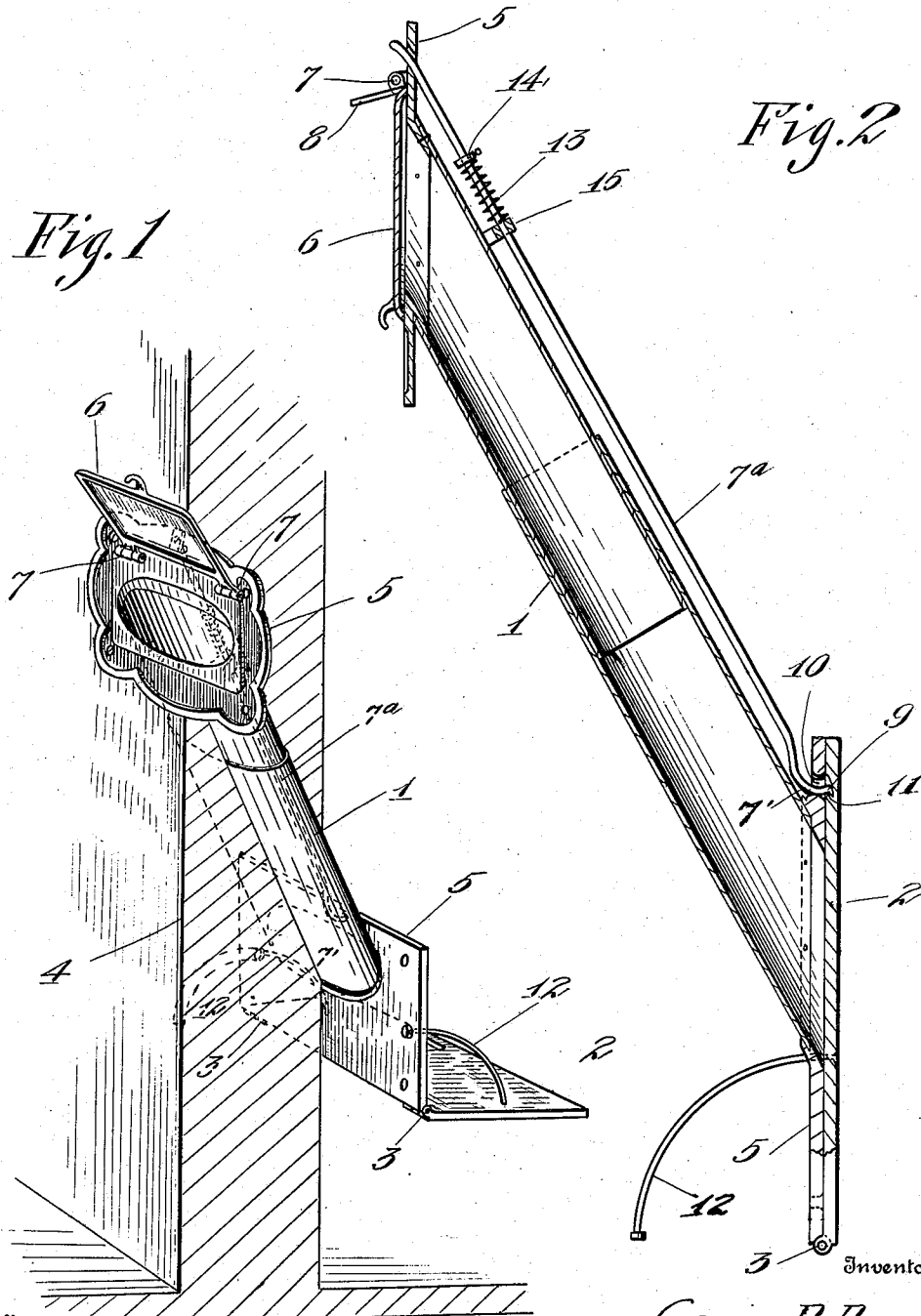


Fig. 2

Witnesses

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MAIL-CHUTE.

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To all whom it may concern:

Be it known that I, GEORGE P. BURRIS, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Mail-Chutes, of which the following is a specification.

My invention relates to improvements in devices of the above type, having more particular reference to a private mail delivery apparatus, and the primary object thereof is to provide a construction which, while being comparatively simple and inexpensive to manufacture, is efficient in operation and occupies but small space.

With the above and other objects in view, to be referred to as my description progresses, my invention resides in the features of construction, arrangements and combinations of parts hereinafter described and succinctly defined in my annexed claims.

Referring now to the accompanying drawing, in which like numerals of reference indicate like parts throughout: Figure 1 is a view in perspective of my invention, with the several parts arranged for reception of the mail, and Fig. 2 is a longitudinal sectional view of the device in its closed position.

In carrying out my invention, I provide a chute 1, which is supported to permit of the mail traveling therethrough by gravity to a suitable receiver 2, which latter is preferably hinged, as at 3, for vertical swinging.

As now employed, chute 1 is particularly designed for arrangement in a wall, as 4, of a house, the same being arranged in an inclined position, as shown, and preferably provided with suitable face plates 5 which abut and are secured, as by screws or the like, to the opposite faces of wall 4. The receiving end or mouth of chute 1, is provided with a closure 6, preferably hinged, as at 7.

In connection with the receiver 2, I provide suitable means, controlled by closure 6, for effecting opening thereof, the same, as now considered, comprising a slidably supported rod 7^a, having its upper end portion projecting through the adjacent or outer face plate 5, and lying in the path of a fixed strike lug 8 of closure 6, and its lower end portion formed into a catch 9, which projects through an opening 10 of the lower or inner face plate 5 and is engaged in a seat 11 of receiver 2 (see Fig. 2). Seat 11 is formed by suitably cutting out the inner or upper

face of receiver 2, to provide a shoulder back of which catch 9 can engage, and the outer face of this shoulder is preferably inclined, as shown, to facilitate the proper seating of the catch.

In operation, assuming the parts are arranged in their normal positions, as shown in Fig. 2, to deposit mail in chute 1, closure 6 is swung upwardly, causing strike lug 8 to engage rod 7^a and slide the same inwardly, during which movement said rod forces receiver 2 away from the adjacent plate 5 so that it can swing by gravity to the position shown in Fig. 1. To effect disengagement of catch 9 from receiver 2 during this operation, I have provided rod 7^a with a curved cam part 7' which, sliding over the lower wall of the opening 10, lifts catch 9 slightly, as receiver 2 is moved.

Suitable members, as 12, limit downward movement of receiver 2, and hold the same in a substantially horizontal position for reception of the mail, discharging from chute 1.

When closure 6 is allowed to swing to its closed position, a spring 13, which encircles rod 7^a and bears against a collar 14 thereof and against a lug 15 of chute 1, returns rod 7^a to its normal position.

Receiver 2, after the mail has been removed therefrom, is swung upwardly and engaged with catch 9, in which position, it is not only out of the way, but forms a closure for the discharge end of the chute.

In the present embodiment of my invention, chute 1 is formed of telescoping sections, which can be adjusted to vary the spacing of face plates 5, as required by the thickness of the wall in which the chute is arranged.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:

1. A device of the character described comprising a chute, a receiver supported for movement toward and from one end of said chute, a closure for said chute, and means operated by said closure for operating said receiver to effect movement thereof to a position wherein it will receive and support mail discharged from said chute.

2. A device of the character described comprising a chute, a receiver supported for movement from one end of said chute to a horizontal position below the same, means for securing said receiver against movement, a closure for said chute, and means operated

by and during movement of said closure for operating said first means to release said receiver.

3. In a device of the character described, 5 in combination with a wall, an inclined chute extending through said wall, a closure for the upper end of said chute, and a receiver controlled by said closure and being supported for movement to a position wherein it will be 10 spaced from the lower end of said chute to support the mail falling therefrom.

4. A device of the character described comprising a chute, a movably supported closure therefor, a receiver supported for 15 movement to and from a position beneath said chute, means for holding said receiver spaced from the lower end of said chute to receive mail discharging therefrom, and means operated by said closure controlling the 20 movement of said receiver to its receiving position.

5. A device of the character described

comprising a chute, a closure therefor supported for movement, a receiver supported for movement from a position wherein it 25 covers the discharge end of said chute to a receiving position beneath said chute, and means operated by movement of said closure for moving said receiver.

6. A device of the character described 30 comprising a chute, a receiver arranged for vertical swinging at the discharge end of said chute, and means for securing said receiver against swinging including a rod having one end formed into a catch, said rod being slid- 35 ably supported and formed with a cam portion adjacent said catch, for the purpose specified.

Signed at Seattle, Washington, this 22d day of January, 1909.

GEORGE P. BURRIS.

Witnesses:

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