

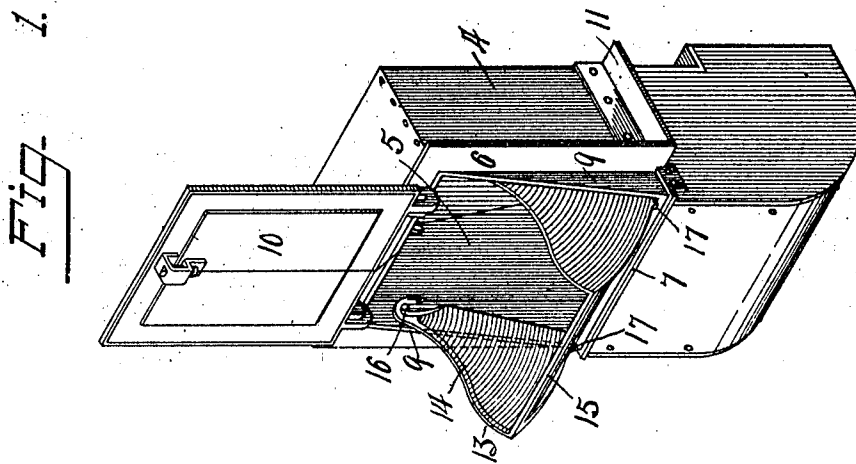
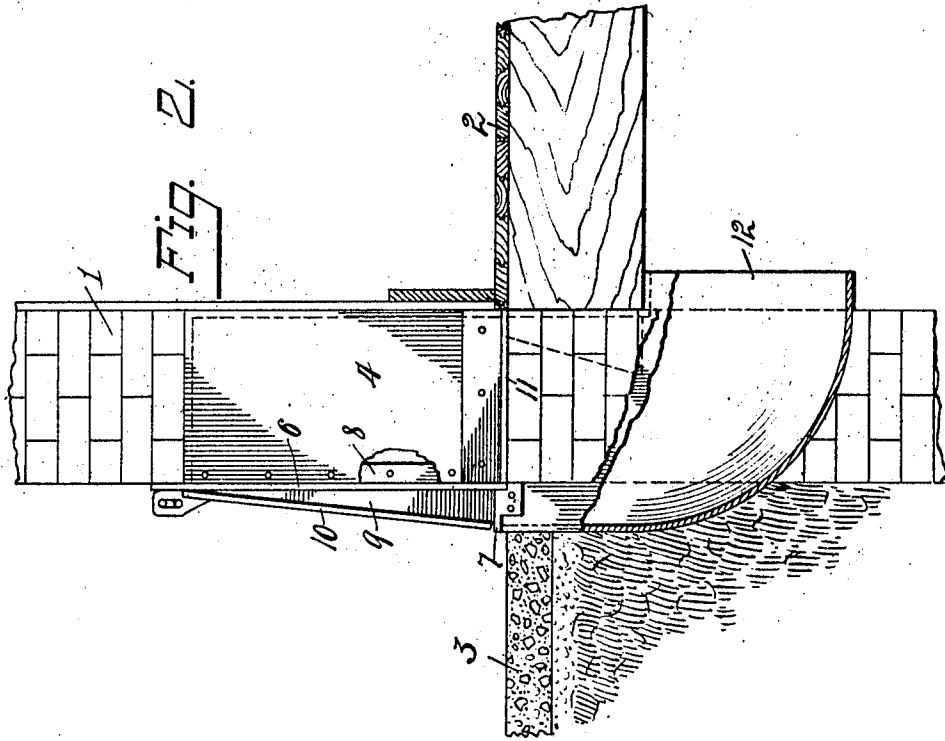
J. M. TRIGGS.

CHUTE.

APPLICATION FILED NOV. 18, 1911.

1,035,662.

Patented Aug. 13, 1912.



WITNESSES.

C. H. Sells.

M. L. Oppenheim.

INVENTOR.

James M. Triggs,
By Owen & Owen,
His attys.

UNITED STATES PATENT OFFICE.

JAMES M. TRIGGS, OF HUNTINGTON, INDIANA, ASSIGNOR TO MAJESTIC FURNACE AND
FOUNDRY COMPANY, OF HUNTINGTON, INDIANA, A CORPORATION OF INDIANA.

CHUTE.

1,035,662.

Specification of Letters Patent.

Patented Aug. 13, 1912.

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To all whom it may concern:

Be it known that I, JAMES M. TRIGGS, a citizen of the United States, and a resident of Huntington, in the county of Huntington and State of Indiana, have invented a certain new and useful Chute; and I do hereby 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 chutes of the class adapted to remain permanently secured in the wall of a building, and has particular reference to improvements on the chute disclosed in my former United States Letters Patent, No. 833,352, dated Oct. 16, 1906. So far as I am aware the chutes of this class heretofore used are restricted to use in basement windows or in wall openings provided below the ground floor, thus prohibiting their use in connection with buildings the floors of which are substantially on a level with the associated walks, as in the case of a store. In such cases it has been customary to provide an opening in the sidewalk through which coal, wood, etc., can be thrown into the basement. By the ordinances of some cities, however, this is prohibited unless the property owner give bond usually for a considerable amount.

The object of my invention is to overcome the objections above enumerated, by the provision of a chute of the character described, which is adapted to be placed in the wall of a building with its inlet opening above the sidewalk or ground level and constructed to direct its discharge downward therefrom through the subjacent portion of the wall and then inward under the floor joists to the interior of the basement, and which is also simple, strong and durable in its construction, and easy of installation.

The invention is fully described in the following specification, and while, in its broader aspect it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a perspective view of my improved chute in open position, and Fig. 2 is

a side elevation thereof mounted in the wall of a building with a portion broken away.

Referring to the drawings, 1 designates a building wall, 2 the lower floor thereof, and 3 a sidewalk, pavement or ground-line, the surface of which is substantially on a plane with the floor, as is customary in store buildings.

The body of the chute comprising my invention is designated 4 and is disposed vertically within the wall 1 with its upper end extending above the walk line 3 and its lower end extending below the floor line or joists, as may be desired. The portion of the chute extending above the walk line is provided in its front with an opening 5 of suitable size for the throwing of coal or other articles therethrough. A frame 6, in the present instance of rectangular form, is provided around this opening with its sides and top forming flanges for projecting laterally from the adjacent front sides and top edges of the chute, while the bottom thereof is shown in the present instance as projecting forward to form a ledge 7 at the base of the opening. In the present instance, the sides and top portions of the frame 6 are provided at their inner edges with rearwardly projecting flanges 8 to which the top and a portion of the sides of the chute body may be riveted or otherwise suitably secured, while the front edges of the sides are provided with forwardly projecting longitudinally tapering flanges 9, which cooperate with a raised portion of the bottom ledge 7 to form a seat for the marginal edge of the door or closure member 10 to seat against when closed. The door 10 is preferably hinged at its top edge to the frame 6 to enable it to be raised out of the way when opened.

The chute body is preferably provided at its opposite sides adjacent to the base of the frame 6 with outwardly projecting horizontal ledges 11, which are adapted to rest upon associated portions of the wall to firmly support the chute in position therein. The lower portion of the chute body or that which is disposed beneath the ledge 7 is preferably, but not necessarily, forwardly broadened to extend under such ledge, as indicated, and its lower end is turned rearwardly under the floor or floor joists and provided with a discharge opening 12. The

bottom of the chute is rounded from the forward side thereof downwardly to the opening 12 to direct matter which is deposited in the chute through said opening.

5 The portion of the chute in which the opening 12 is provided is preferably extended a short distance within the wall 1, as indicated. Hung within the opening 5 of the chute is what may be termed a hopper

10 member 13 which is similar in its construction and operation to the hopper member covered by said former patent. This member is provided with the sides 14 and the bottom or coacting portion 15, the sides

15 having their upper ends pivoted as at 16 within the upper portion of the opening 5, thus adapting the hopper member to be swung outward into the operative position shown in Fig. 1, or swung entirely within

20 the chute to enable a closing of the door 10. The hopper member 13 is held in projected or operative position by lugs 17 adjacent to the lower inner edge thereof coacting with the raised outer edge of the

25 ledge 7.

It is apparent that I have provided a chute which is provided with an inlet opening above the plane of a floor and with an outlet opening below the plane of such floor,

30 and also that substantially all of the chute is disposed within the associated wall, thus avoiding openings without the wall in the side wall or other surface disposed without the building.

35 I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is,—

1. The combination with a wall having an opening therein, of a chute disposed vertically in such opening and having an inlet opening in one side adjacent to its upper end and having its lower end angling in the opposite direction and forming a laterally opening discharge passage, said chute having a frame which is marginal to its inlet opening with the lower ends of its sides extending rearwardly in horizontal planes to adjacent to the rear side of the chute and disposed above the discharge passage thereof to form laterally projecting supporting ledges for the chute.

2. The combination with a wall and a floor supported by said wall, of a chute disposed vertically within the wall and having an inlet opening adjacent to its top in the side thereof which is opposed to said floor and having its lower end angling inwardly under a portion of the floor to provide a discharge passage and to serve as a supporting ledge for a portion of the floor, said chute having a frame which is marginal to its inlet opening with the lower ends of its sides extending rearwardly in substantially the plane of the floor surface to provide supporting ledges for embedding into the wall.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

JAMES M. TRIGGS.

Witnesses:

THOMAS G. SMITH,
C. W. WATKINS.