

(No Model.)

W. W. SPERRY.
COAL CHUTE.

No. 559,628.

Patented May 5, 1896.

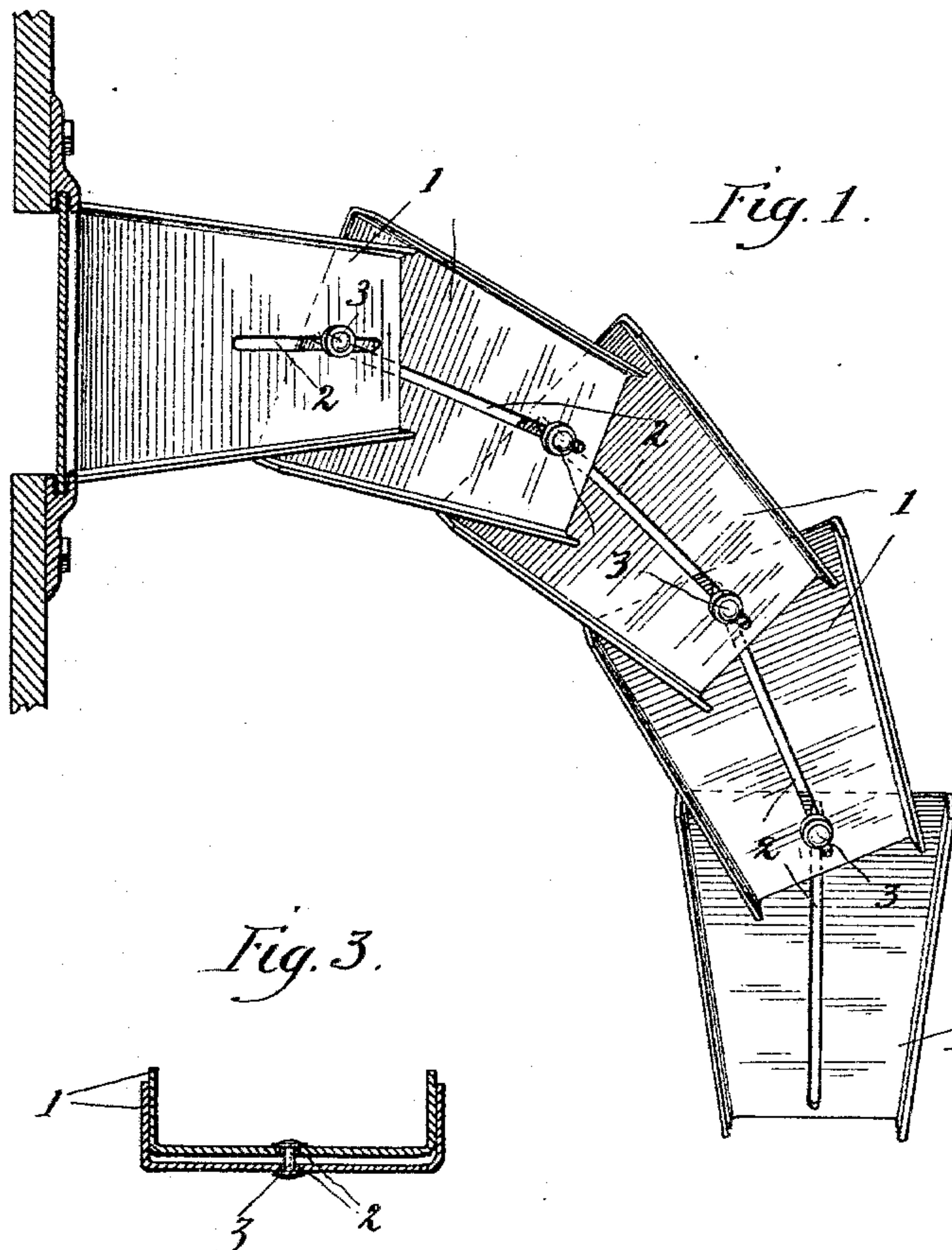


Fig. 3.

Fig. 1.

Fig. 4.

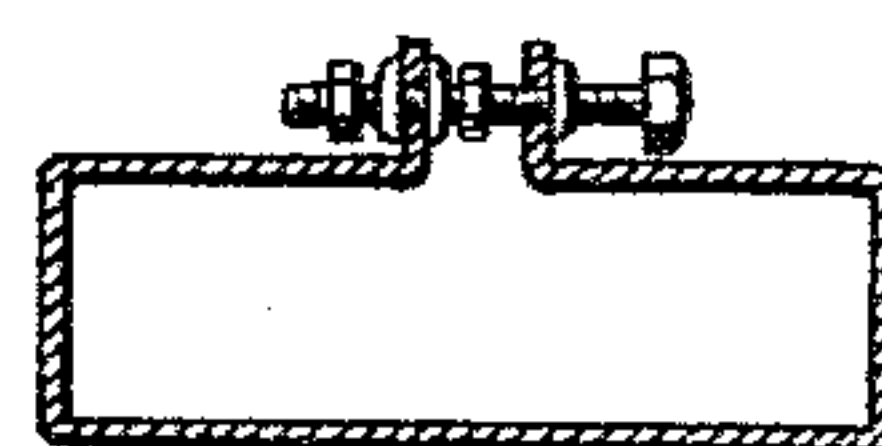
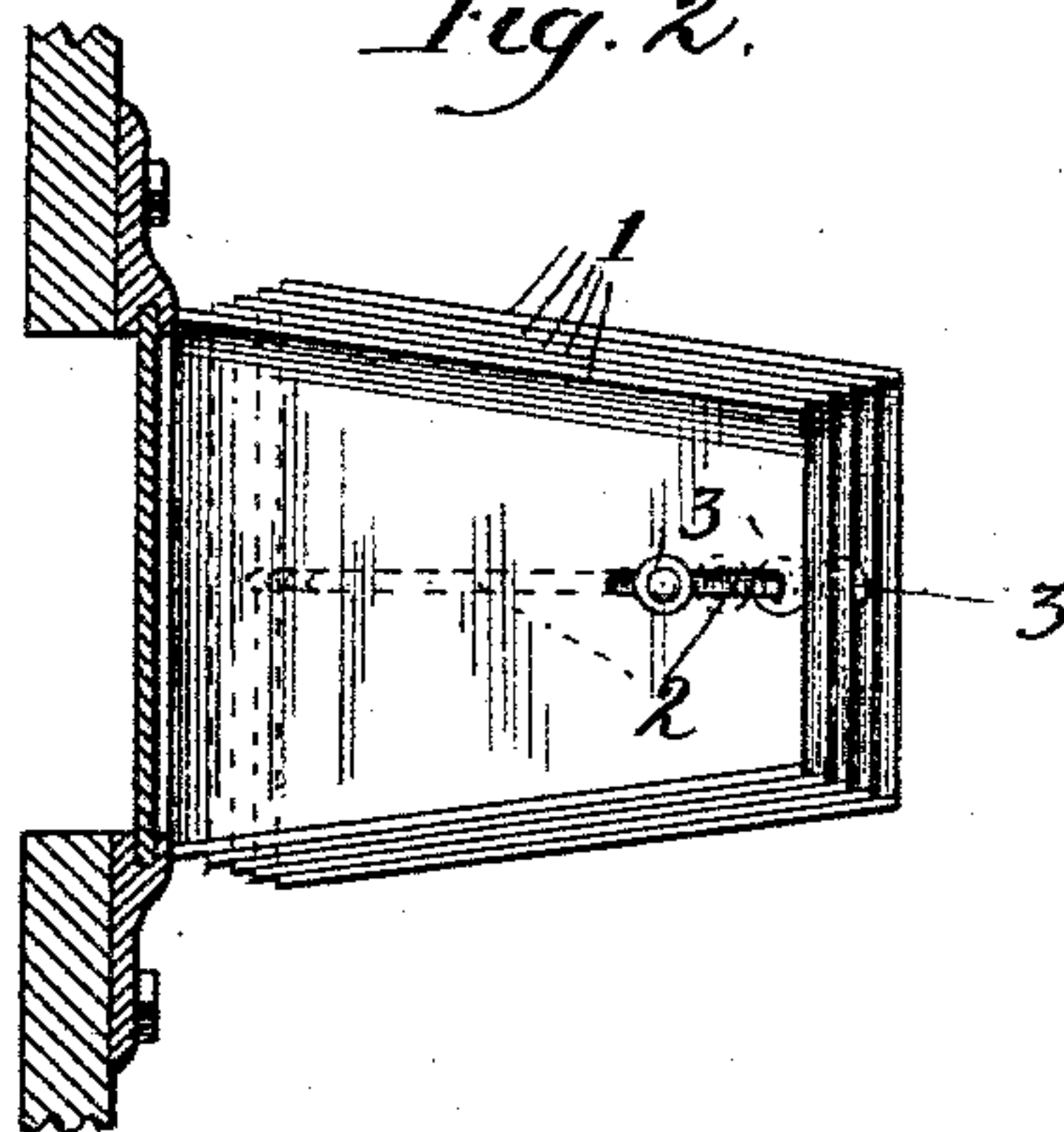


Fig. 2.



Witnesses:

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WASHINGTON W. SPERRY, OF PHILADELPHIA, PENNSYLVANIA.

COAL-CHUTE.

SPECIFICATION forming part of Letters Patent No. 559,628, dated May 5, 1896.

Application filed January 29, 1896. Serial No. 577,273. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON W. SPERRY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Coal-Chutes, of which the following is a specification.

My invention relates to a new and useful improvement in coal-chutes, and has for its object to provide a supplementary chute which will be capable of placing any number of angles within a quadrant, so as to direct the primary chute to the proper receptacle into which the coal is to be dumped, while the wagon stands parallel with the curbing.

With these ends in view, my invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction and operation in detail, referring by numbers to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a plan view of my improvement attached to the spout of the ordinary coal-dumping wagon, showing the chute extension distended and turned at right angles to the body of the wagon; Fig. 2, a similar view showing the chute extension in its contracted position; Fig. 3, a cross-section of two of the sections of the chute extension when telescoped together, showing the method of securing one to the other; and Fig. 4, a cross-section of a spout, illustrating the method of attaching the inner section of the chute extension to the spout of the wagon without the necessity of slotting the latter.

Similar numbers denote like parts in all the views of the drawings.

In carrying out my invention I provide a chute extension composed of a number of sections having flanged sides and tapering from the rear to the front, so as to telescope one within the other, and these sections are secured together by means of slots 2, formed through their bottoms, and the loose rivets 3, passed through two of said slots and so headed as to prevent withdrawal. The chute of the

wagon to which this extension is to be attached is of the same general shape as the sections and has a short slot which is connected to the slot of the end section in the same manner as two sections are joined together. Thus the chute extension may be compactly telescoped beneath the chute or may be extended in a straight line or at an angle, as the large end of one section is adapted to swing about the loose rivet as a pivot until it abuts the side of the adjoining section. This action is facilitated by the particular shape herein shown, as will be readily understood by inspection of Fig. 1 of the drawings.

Considerable inconvenience has heretofore been occasioned by the necessity of having to back the wagon against the curb, the body and team thereof standing crosswise of the street, thus to a great extent blocking the traffic, and when the street is narrow, as is often the case, traffic is entirely suspended during the delivery of the coal; but by the use of my improvement this disadvantage is entirely overcome, in that a wagon may drive parallel with the curb, and by opening out the chute extension and turning to the desired position the end section may be placed at right angles to the body of the wagon, and the coal thus delivered without interfering with the traffic upon the street.

In order to attach my improvement to the spout of a wagon without having to alter the latter, I have arranged a yoke as shown in Fig. 4, which is provided with a clamped screw in order that said yoke may be drawn tightly about the spout, thus receiving its support therefrom. This yoke forms a part of the first section of the chute extension, from which the other sections gain their support.

Having thus fully described my invention, what I claim as new and useful is—

1. A chute extension composed of a number of trough-sections having tapering sides, a slot formed in the bottom of each section and loose rivets connecting the slot of one section to the slot of the next, as and for the purpose described.

2. In a device of the character described, a chute, a slot formed therein, a chute extension composed of a number of sections hav-

ing tapering sides and slotted bottoms and loose rivets connecting the slot of one section to the slot of the next and the slot of the top section to the slot of the chute, as and for the purpose described.

5 3. In a device of the character described, a chute extension composed of a number of sections, slots formed in the bottoms of said sections loose rivets securing the slot of one
10 section to the slot of the next and adapted to

form a pivot on which said sections may turn or telescope, as and for the purpose described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

WASHINGTON W. SPERRY.

Witnesses:

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SAMUEL L. TAYLOR.