

(No Model.)

A. B., J. N. D. & M. T. REEVES.
FOLDING STRAW CARRIER CHUTE.

No. 498,028.

Patented May 23, 1893.

Fig. 2.

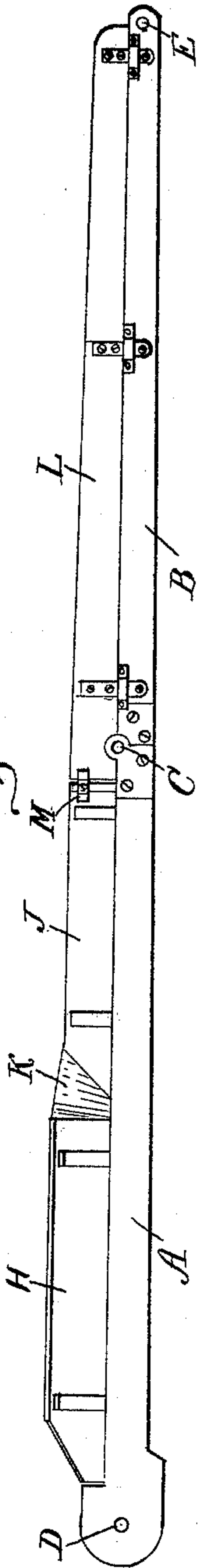


Fig. 1.

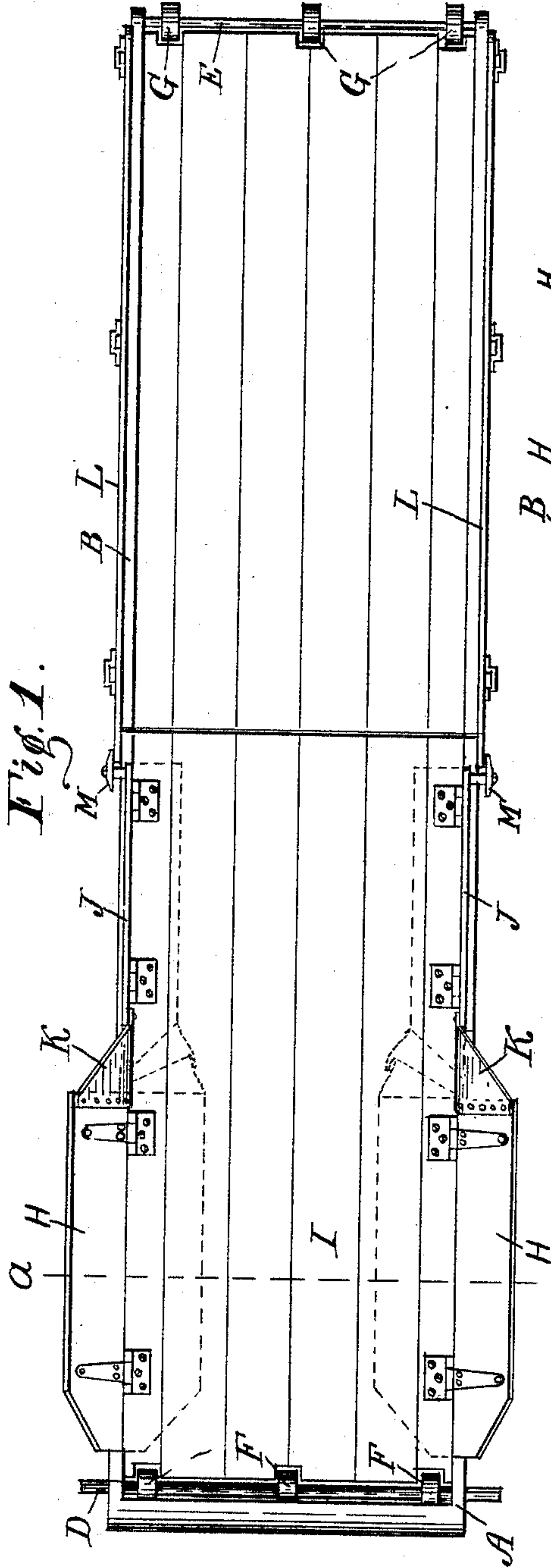


Fig. 5.

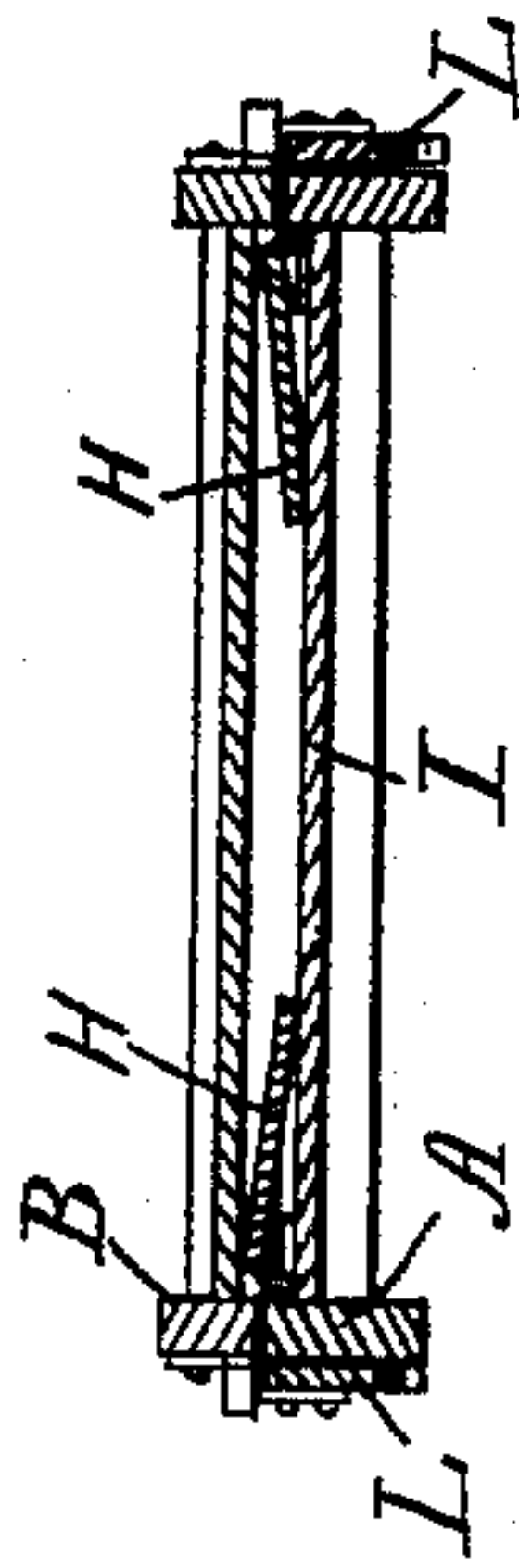


Fig. 4.

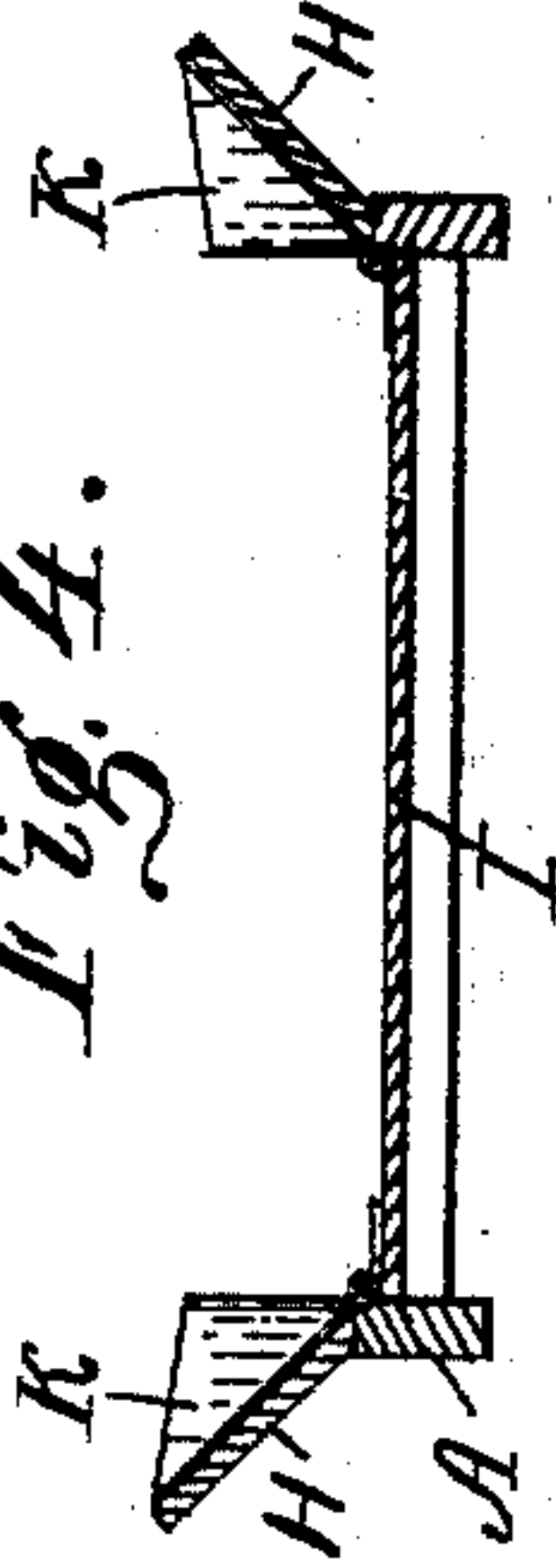
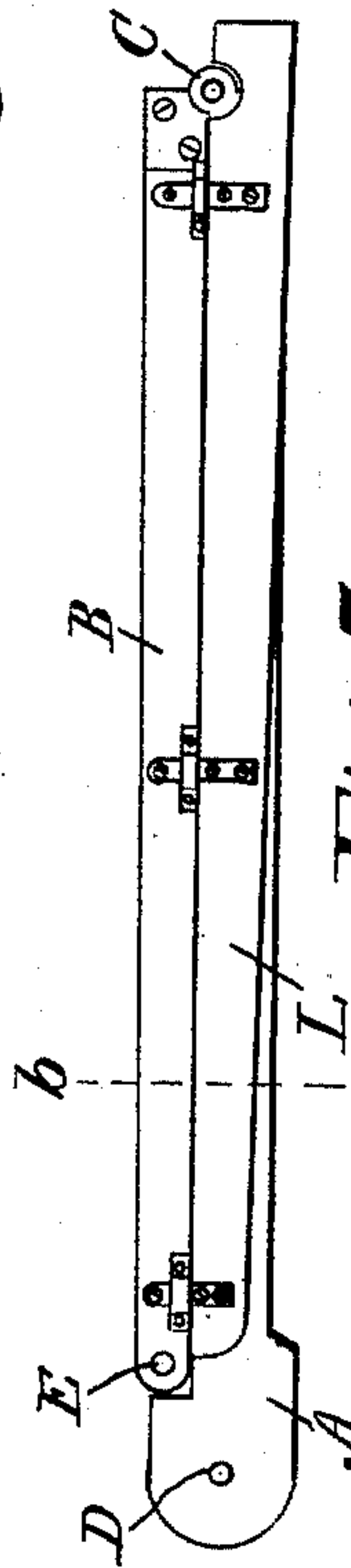


Fig. 3.



WITNESSES:

V. M. Hood.
Daniel T. McNeil

INVENTORS:
Alfred B. Reeves.
James N. D. Reeves.
Marshall T. Reeves.
BY
H. P. Hood,
ATTORNEY.

UNITED STATES PATENT OFFICE.

ALFRED B. REEVES, JAMES N. D. REEVES, AND MARSHAL T. REEVES, OF
COLUMBUS, INDIANA, ASSIGNORS TO REEVES & CO., OF SAME PLACE.

FOLDING STRAW-CARRIER CHUTE.

SPECIFICATION forming part of Letters Patent No. 498,028, dated May 23, 1893.

Application filed March 8, 1893. Serial No. 465,075. (No model.)

To all whom it may concern:

Be it known that we, ALFRED B. REEVES, JAMES N. D. REEVES, and MARSHAL T. REEVES, citizens of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Improvement in Folding Straw-Carrier Chutes, of which the following is a specification.

Our invention relates to an improved straw-carrier chute for straw stacking machines.

The object of our improvement is, to so construct and arrange the vertical sides of the straw-carrier chute that it shall be unnecessary to remove any part of said sides, when the chute is folded for transportation.

The accompanying drawings illustrate our invention.

Figure 1 represents a plan, showing the chute unfolded, and the sides raised. Fig. 2 represents a side elevation of the same. Fig. 3 represents a side elevation of the chute when folded. Fig. 4 represents a transverse section at *a*—Fig. 1. Fig. 5 represents a transverse section at *b*—Fig. 3.

In the drawings, A, indicates the frame constituting the main body of the straw-carrier chute, on which the straw is received as it comes from the thrasher.

B, represents the frame of the foldable section forming an extension of the main body of the chute. Said main portion and its extension are hinged together at C, in such manner as to permit the folding of the extension backward upon the top of the main portion. Shafts, D, and E, provided with pulleys, F, and G, are provided at opposite ends of the chute to receive and carry the endless carrier-belt, (not shown.) Thus far the chute does not differ from the common well known construction.

The side-boards of the chute are constructed in the following manner: At the end of the main portion of the chute which receives the straw from the thrasher, a pair of wide side-boards, H, H, extending about half the length of the main frame, are hinged to the floor, I, of the chute in such manner that they may be folded down upon the floor, as represented in Fig. 5, and in dotted lines in Fig. 1, or may be raised so as to be inclined up-

ward and outward from the floor at an angle of about forty-five degrees, so as to form a hopper, as illustrated in Fig. 4, and in full lines in Fig. 1. Extending along the remaining length of the main portion of the chute, are a pair of narrower side-boards, J, J, which are hinged to the floor I so as to lie flat thereon, or stand vertically at right angles therewith. The opposed ends of side-boards H, and J, are connected together so as to form a continuous surface when raised, by means of a piece of flexible material, K, preferably of rubber cloth, which is substantially triangular in outline and is secured at two of its sides to the inner faces of boards H and J; the arrangement being such that the pieces K limit the outward movement of the sides H, and permit the simultaneous folding down upon the floor of both of the sides connected thereby. The extension, B, is provided with a pair of side-boards, L, L, which are permanently secured to the outer sides of the frame so as to stand vertically at right angles to the floor thereof.

For the purpose of securing the folding sides J, J, in a vertical position, that end of each of those sides which is adjacent to the inner ends of the permanently secured sides, L L, is provided with a turn-button M, which is adapted to engage the outer side of the side-board L, when turned horizontally, as illustrated in the drawings, and to be disengaged therefrom when turned vertically. In folding the chute, the sides H and J are turned down, as indicated in dotted lines, Fig. 1, and the extension B is then turned backward over the main portion A, the side-boards L, L, passing outside of the frame of the main portion, as illustrated in Figs. 3 and 5.

We claim as our invention—

1. In a straw-carrier chute, the folding side consisting of the board H, hinged to the body of the chute so as to fold thereon and project obliquely therefrom, the board J hinged to the body so as to fold thereon and project vertically therefrom, and the flexible piece K, connecting the opposed ends of said boards, all combined and arranged to cooperate as set forth.

2. In a straw-carrier chute, the combination

of the main portion A, provided with the pair
of folding side-boards H, H, hinged thereto
and arranged to project obliquely therefrom,
the pair of boards J, J, hinged to the main
5 portion and arranged to project vertically
therefrom, the pair of flexible pieces K, K,
connecting the ends of said boards, and the
foldable extension B, provided with the fixed

side-boards L, L, all arranged to co-operate as
set forth.

ALFRED B. REEVES.
JAMES N. D. REEVES.
MARSHAL T. REEVES.

Witnesses:

C. S. WAY,
B. M. HUTCHINS.