

W. M. HALL, Jr.

Grain Dump.

No. 107,040.

Patented Sept. 6, 1870.

Fig. 1.

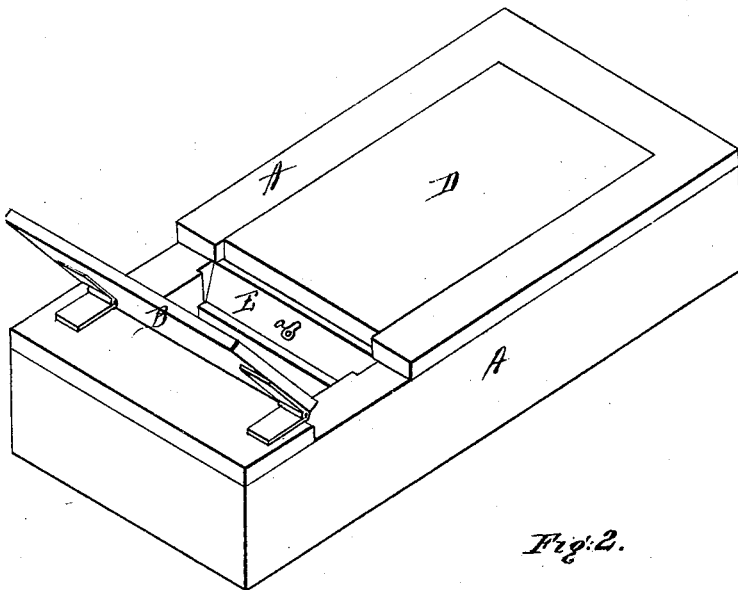
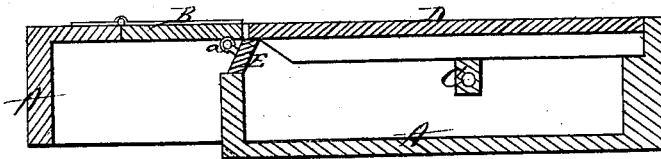


Fig. 2.



Witnesses
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WILLIAM M. HALL, JR., OF BLOOMINGTON, ILLINOIS.

IMPROVEMENT IN GRAIN-DUMPS.

Specification forming part of Letters Patent No. **107,040**, dated September 6, 1870.

To all whom it may concern:

Be it known that I, WILLIAM M. HALL, JR., of Bloomington, in the county of McLean, and in the State of Illinois, have invented certain new and useful Improvements in Grain-Dump; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a grain-dump, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 is a longitudinal vertical section, of my grain-dump.

A represents a box-shaped frame of any suitable dimensions, made of strong timber. The top of this frame is divided into a trap-door, B, at one end, hinged, as shown, and a platform, D. This platform rests upon an axle, C, placed nearer the end farthest from the trap-door B. Under the end of the platform D nearest to the trap-door is a supporting-bar, E, which inclines forward and moves in V-shaped notches in the sides of the frame A.

This dump is intended to unload small grain into the sink of an elevator, or ear-corn to be shelled in the basement of the building. It should be set by the side of a grain-elevator that has a basement or receiving-room lower than the dump, and is approached in the same way as to a set of grain-scales by the end where the trap-door is situated.

When the wagon is on the platform D the hind wheels should be about two feet from the end nearest the trap-door. The wagon can be kept in place by a variety of ways—by a wedge-shaped block, or by a chain attached to the hind wheels, or otherwise, to suit the person using it. Then turn over the trap-door B, insert an iron lever into the ring *a* on the support E, and throw said support back, which will let the platform D fall, causing the hind end of the load to be about three feet lower than the front end, thus causing the grain to slide out of the wagon into the chute under the trap-door, through which it runs down to the elevator-sink or into the basement of the building.

When the wagon drives off, the platform is thereby brought to a level, and the supporting-bar E falls forward, adjusting itself under the end of the platform. This supporting-bar is easily removed, and can be readily renewed, when worn out or injured, at pleasure, and at a slight expense.

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

In combination with the frame A, lid B, and pivoted platform D, the removable self-acting bar E, secured in inclined grooves in each side of the frame for supporting the platform, all as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of June, 1870.

W. M. HALL, JR.

Witnesses:

THOS. SLADE,
W. M. HATCH.