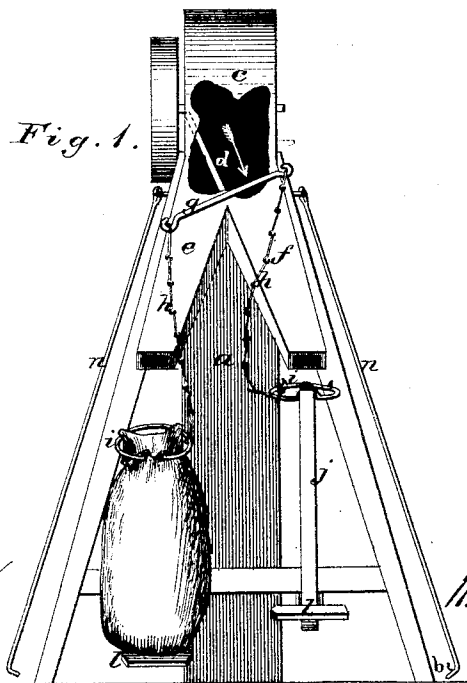
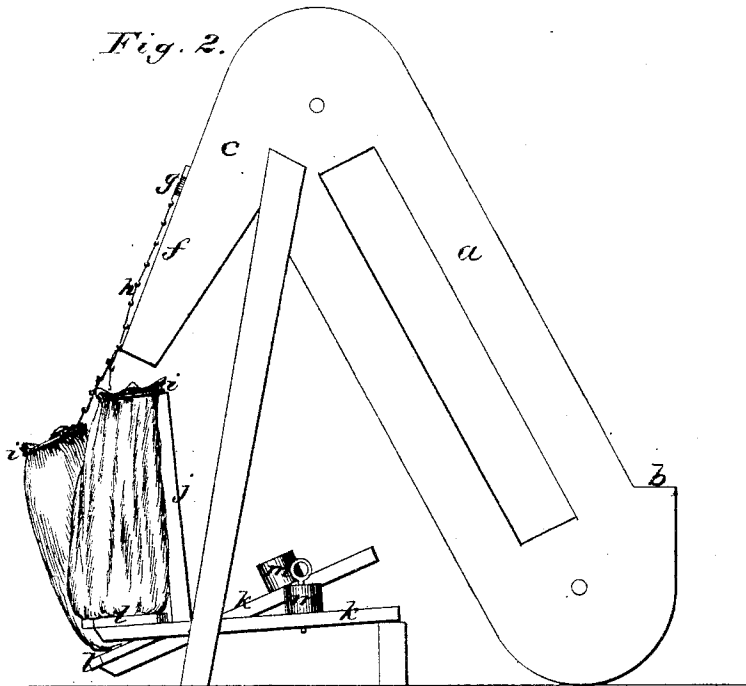


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Improvement in Bag-Fillers.

No. 126,732.

Patented May 14, 1872.



Witnesses.
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UNITED STATES PATENT OFFICE.

WILLIAM H. MITCHELL AND JOSEPH G. MITCHELL, OF CIRCLEVILLE, OHIO.

IMPROVEMENT IN BAG-FILLERS.

Specification forming part of Letters Patent No. 126,732, dated May 14, 1872.

Specification describing certain Improvements in Bag-Fillers, invented by WILLIAM H. and JOSEPH G. MITCHELL, of Circleville, Pickaway county, Ohio.

Figure 1 is a front elevation with part of the trunk *c* broken away, so as to show the valve *d*; and Fig. 2 is a side elevation.

This invention relates to an apparatus whereby grain delivered from a thrasher to an elevator is carried by the latter to a trunk, from which it is discharged alternately through two separate spouts that lead to distinct bag-holders, each of which is attached to a scale-beam, and both of which are connected with a valve placed at the junction of the spouts aforesaid, in such manner that when one holder sinks under the weight of a filled bag it causes the said valve to close the spout through which it was filled and open the other spout, so that the other bag may be filled while the first one is being taken away and another being put in its place.

Referring to the drawing, *a* is the case of the elevator aforesaid, the same being supposed to be placed with its rear end next to the thrasher, and to be connected therewith by means of rods *n*. The case *a* has an opening at *b* to receive grain from the thrasher, and an endless apron inside the case to convey the grain upward to the trunk *c*, where the buckets empty. Within this trunk is a valve, *d*, hinged at the junction of the spouts *e f*, which open out of the lower end of the trunk. The pivot of the valve *d* extends outside the trunk, and to its outer end is fastened a cross-bar, *g*, the extremities of which are

connected by chains *h* with holder-fingers *i*, that extend laterally from the tops of the standards *j*, which spring from the shorter arms of scale-beams *k*, that are suitably suspended upon pivots. To the outer ends of said beams next the feet of the standards *j* are attached platforms *l* for the bags to rest on, and to the longer arms of the beams *k* are secured, in any sufficient manner, weights *m*. The grain that falls through the trunk *c* passes into that one of the spouts *e f* which is not covered by the valve *d*, (say the spout *e*), and is thereby conducted to the bag beneath. When this bag is filled full enough to overbalance the weight, it sinks, and the chain *h* draws the valve *d* over the spout *e*, thus opening the spout *f*, through which the grain thereupon begins to fall, filling the other bag and giving opportunity for the removal of the filled bag and its replacement by an empty one before the second bag gets full. When the second bag is filled it depresses its beam in like manner and operates the valve *d*.

We claim as our invention—

A trunk for discharging grain, having two branches, with a vibrating valve placed at their junction, and combined, in the manner described, with a bag-holder situated below each branch, by the alternate sinking of which bag-holder the valve is made to alternately close the branches.

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Witnesses.

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