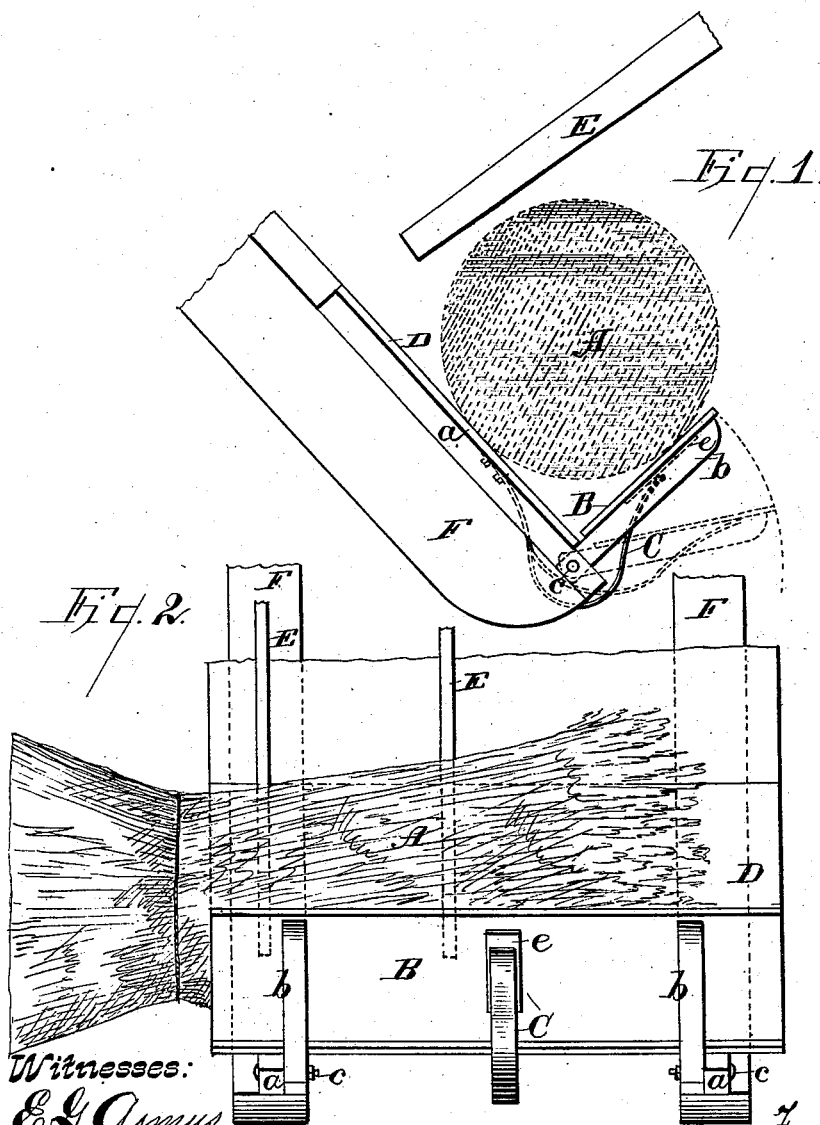


(No Model.)

F. A. DENNETT.
ATTACHMENT FOR GRAIN BINDERS.

No. 261,594.

Patented July 25, 1882.



Witnesses:

E. L. Asmus
Carl P. Richardt

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UNITED STATES PATENT OFFICE.

FRED A. DENNETT, OF MILWAUKEE, WISCONSIN.

ATTACHMENT FOR GRAIN-BINDERS.

SPECIFICATION forming part of Letters Patent No. 261,594, dated July 25, 1882.

Application filed January 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRED A. DENNETT, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Attachments for Grain-Binders; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to grain-binders; and it consists in a spring flapping attachment for steadying the grain bearing against the compressor while it is being bound, as will be fully described hereinafter.

In the drawings, Figure 1 is a side view of the end beams of a grain-binder table with my invention attached, and Fig. 2 is a plan view of my invention.

In grain-binders generally, as the grain comes to the binding-table from the reaper it is received by packers, that carry it to the compressor and pack it thereagainst until sufficient has been accumulated to make a bundle; and as the compressor has a very narrow surface to oppose to the grain, it is desirable to provide an additional support for it that will act in concert with the compressor, and hence my invention.

F F are the end beams of the binder-table on its delivery side, and to these I secure strips *a a* to, which I hinge at *c c* the arms *b b* of a flap, B, and I extend boards D from one of the beams F F to the other, to the longitudinal center of which I secure a spring, C, of approximately U shape, its free end passing up under the outside of flap B, to which I may secure a metal plate, *e*, for the end of the spring to slide upon. This spring C is strong enough to support the flap B against the bundle until

the ejector-arms E strike the bundle, when the spring will yield and permit the discharge of the bundle, after which the spring will immediately return the flap to position for receiving more grain.

While I have shown one spring only, I may use two or more; or I may use one or more spiral springs instead of the flat springs shown.

I am aware that springs have been used to detain the grain until a gavel has been collected, and also that a door has been hung by a spring-hinge in position on a binder-table to detain the grain for the same purpose; but these doors are held in position by a latch, which must be released before the bundle can be delivered. In my device no latch is necessary, as the springs not only hold the flap in position for receiving the grain, but return it to position after each gavel has been thrown off.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A flap hinged to the frame-work of a grain-binder and supported by a spring in position to receive the grain as a bundle is being collected and formed, as set forth.

2. The combination, in a grain-binder, of a hinged flap, B, and spring C, as set forth.

3. In a grain-binder, the hinged flap having a bearing-plate, *e*, secured to it, in combination with a spring, C, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of January, 1882.

FRED A. DENNETT.

Witnesses:

L. H. PARKER,
S. S. STOUT.