

F. N. BRESSLER.
END GATE LOCK.

(Application filed Sept. 8, 1902.)

(No Model.)

Fig. 1.

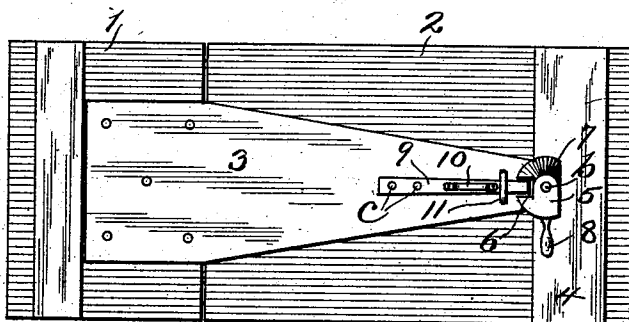


Fig. 2.

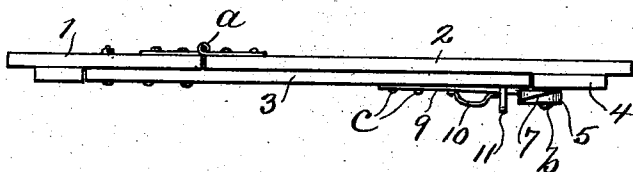


Fig. 3.

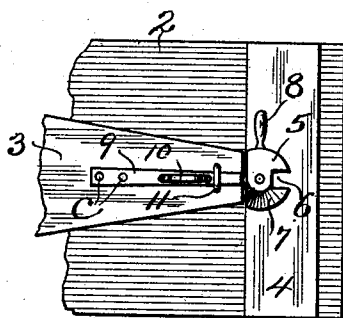
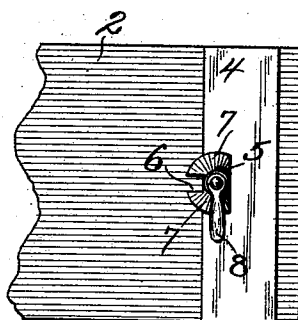


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRED N. BRESSLER, OF STERLING, ILLINOIS.

END-GATE LOCK.

SPECIFICATION forming part of Letters Patent No. 715,966, dated December 16, 1902.

Application filed September 8, 1902. Serial No. 122,483. (No model.)

To all whom it may concern:

Be it known that I, FRED N. BRESSLER, a citizen of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in End-Gate Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to end-gates for wagons, and belongs more specially to that class thereof which are formed in two parts hinged together, the release of the end-gate from the side-boards of the wagon being effected by the bending or "breaking" of such end-gate, permitting the release of the ends thereof from engagement with the wagon.

My improvement consists, chiefly, in providing a means for fastening the end-gate in place, and also a means for locking the fastening device, so that it cannot be jarred or jolted from its position, permitting the release of the gate.

In the drawings, Figure 1 is a rear end elevation of my device. Fig. 2 is a plan view thereof. Fig. 3 is a detail view showing the fastening released. Fig. 4 is a detail view showing a modified form of the end-gate fastening.

The end-gate is formed of two parts 1 and 2, hinged together on the inner side of the box, as at *a*. Rigidly secured to the section 1 is a leaf-lever 3, the free end thereof abutting a cross-piece 4 on the section 2.

Pivotaly secured to the cross-piece 4, as at *b*, is a cam 5, provided with a recess 6 and inclined track 7. By means of a handle 8 the cam 5 can be caused to turn upon its pivotal point.

The normal position of the cam 5 is such that a portion thereof projects over the end of the lever 3, preventing the movement thereof, as shown in Fig. 1, while a reversal of the cam brings the straight edge thereof on a line with the edge of the cross-piece 4, permitting the release of the lever 3 and removal of the end-gate.

Secured to the lever 3, as at *c*, is a spring 9,

provided with a handle 10 and guide 11. The free end of the spring 9 is normally in engagement with the recess 6 in the cam 5, the end of the spring holding such cam from movement.

When it is desired to open the end-gate, the spring 9 is pulled outwardly by means of the handle 10 until the cam is permitted to turn. The position of the cam is then reversed, as already described. To again fasten the lever 3 in place the cam 5 is returned to its former position, the track 7 passing under the end of the spring 9 and automatically raising such spring until it drops into the recess 6.

In Fig. 4 the cam 5 is shown with a double track 7, with the handle 8 secured at the center of the cam, each of the tracks 7 inclining outwardly, so that the cam can be turned in either direction and locked.

One of the chief objections to end-gates of the construction herein described has been in the tendency of the fastening to be jarred or jolted open, releasing the end-gate and resulting in the loss of grain. It is apparent that in using my device any such contingency is impossible, the fastening itself being securely locked against any accidental release.

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

The combination with the end-gate composed of two sections hinged together at their inner edges, of a leaf-lever rigidly secured to the rear face of one of said sections and normally snugly fitting against the rear face of the other section, a vertical cross-bar secured to the last-named section adjacent the free end of the said lever, a cam pivoted to the said cross-piece, and adapted when rotated in one direction to project beyond the edge thereof, and over the free end of said lever, said cam having its edge slotted, and a spring secured to the said lever, said spring having its free end normally received in the slot of the said cam, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FRED N. BRESSLER.

Witnesses:

I. S. BRESSLER,
W. H. GEORGE.