

(No Model.)

J. T. L. MORRIS.
END GATE LOCK.

No. 489,386.

Patented Jan. 3, 1893.

Fig. 1.

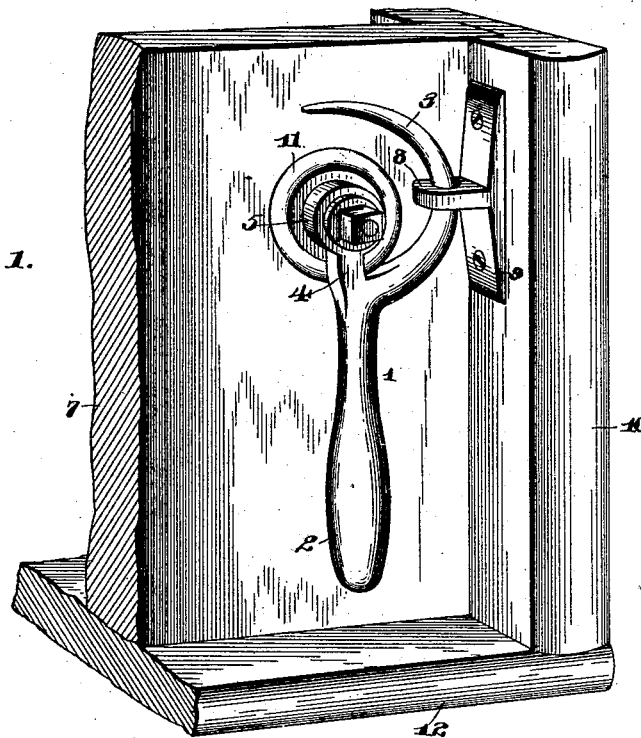


Fig. 2.

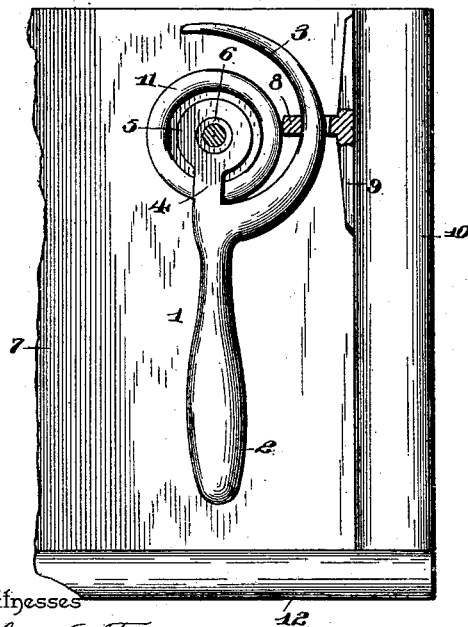
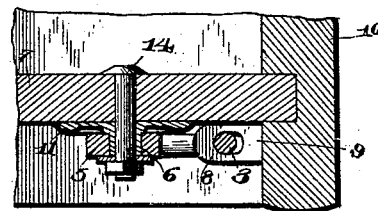


Fig. 3.



Witnesses

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

JOHN T. L. MORRIS, OF KIRKSVILLE, MISSOURI.

END-GATE LOCK.

SPECIFICATION forming part of Letters Patent No. 489,386, dated January 3, 1893.

Application filed June 15, 1892. Serial No. 436,855. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. L. MORRIS, a citizen of the United States, residing at Kirksville, in the county of Adair and State of Missouri, have invented a new and useful End-Gate Lock, of which the following is a specification.

The invention relates to improvements in end gate locks.

10 The object of the present invention is to provide for end gates, a simple and inexpensive lock capable of being readily fastened and unfastened, and adapted in locking to draw the side of a wagon body inward against the vertical edges of an end gate, and to force 15 the latter downward upon the bottom of the body, and thereby brace and support the parts.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

25 In the drawings—Figure 1 is a perspective view of a portion of an end gate provided with a lock constructed in accordance with this invention. Fig. 2 is an elevation partly in section. Fig. 3 is a horizontal sectional view.

30 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

35 1 designates a locking lever comprising a weighted handle 2, a curved hook 3 and an arm 4 forming an extension of the handle and provided with an eye 5 to receive a pivot 6. The locking lever is mounted on an end gate 7, and the curved hook engages an eye 8 of a vertical plate 9 secured to the inner face of a side 10 of a wagon body, the eye or opening 40 being formed in a horizontal flange. The

pivot 6 consists of a tubular portion of a circular plate or disk 11 which is secured by a bolt 14 to the end gate and forms a bearing for the eye of the arm 4. The eye is arranged eccentrically with reference to the curve of 45 the hook, thereby forming a cam of the latter adapted to draw the side 8 of the body inward and force the end gate downward upon the bottom 12. This construction not only securely locks the end gate, but also serves to 50 support the parts and prevents the sides of a wagon body being forced outward by a load.

It will be seen that the end gate lock is simple and comparatively inexpensive in construction and positive and reliable in operation. 55

What I claim is—

The combination with a wagon-body having an end-gate, of a vertical plate secured to one of the sides of the body and provided with a 60 horizontal eye, a bearing disk arranged on the end gate and provided with a central tubular extension forming a pivot, a bolt passing through the tubular extension and securing the bearing disk to the end-gate, and the locking 65 lever having a curved hook to engage the horizontal eye and provided with a weighted handle and having an arm or extension provided with an eye receiving the tubular extension of the bearing plate and arranged eccentrically with reference to the curve of the 70 hook, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN T. L. MORRIS.

Witnesses:

JULIUS QUINTAL,
H. E. PATTERSON.