

(No Model.)

A. McNISH.
GABLE DOOR.

No. 605,899.

Patented June 21, 1898.

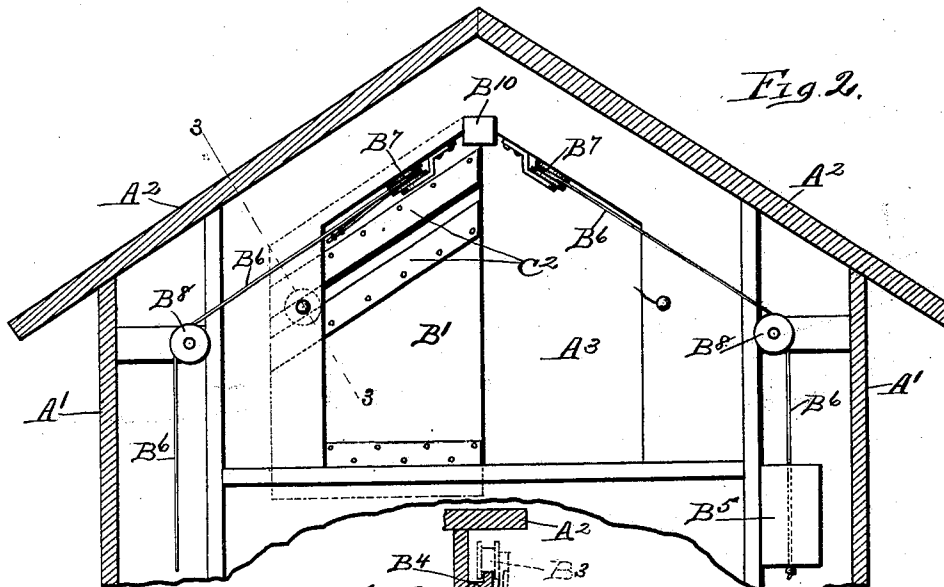
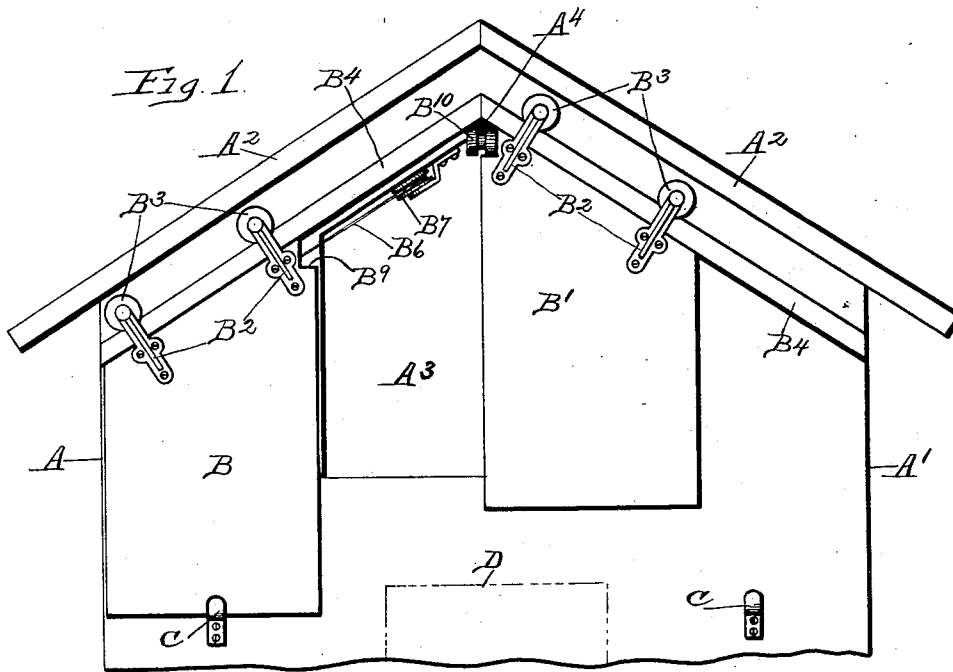
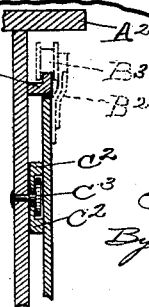


Fig. 3.



Witnesses:
G. H. Curtis
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UNITED STATES PATENT OFFICE.

ALEXANDER McNISH, OF SALEM, NEW YORK.

GABLE-DOOR.

SPECIFICATION forming part of Letters Patent No. 605,899, dated June 21, 1898.

Application filed September 4, 1897. Serial No. 650,579. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER McNISH, a citizen of the United States, residing at Salem, county of Washington, and State of New York, have invented certain new and useful Improvements in Gable-Doors, of which the following is a specification.

The invention relates to such improvements; and it consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures.

Figure 1 of the drawings is an outside elevation of the gable end of the upper part of a barn, showing my improved door. Fig. 2 is an inside elevation of the same. Fig. 3 is a cross-section taken on the broken line 3 3 in Fig. 2.

A and A' represent the vertical side walls of the barn, and A² the roof.

A³ represents one-half the door-opening, the upper edges of which are just beneath the edge of the roof and slope to correspond with the slope of the roof sides, forming an angle A⁴ at the extreme upper part similar to the angle inclosed by the opposite sides of the roof.

The door comprises two separate sections B and B', the former being shown in Figs. 1 and 2 in an open position and the latter closed. The door-sections are primarily supported by hangers B², having rollers B³, adapted to travel on the inclined way B⁴, secured to the outer surface of the barn. Each section is balanced on its inclined way by means of a weight B⁵, connected with its door-section by means of a cable B⁶, running over fixed guide-pulleys B⁷ and B⁸. When desired, a spring or equivalent means may be substituted for the weight and cable to balance the sections. The upper corner of each section is provided with a recess B⁹, adapted to receive and fit around a part of the projecting beam B¹⁰, which may be provided in the usual manner with hoisting mechanism. (Not shown.) A bracket or hook C, fixed to project from the outer surface of the barn, is

adapted to receive and support the lower end of the door-section when in an open position. Each section may also be provided with a 55 channelled way C², inclined similarly to the roof, and fixed ways B⁴, adapted to receive a pulley C³, rotary upon a fixed stud C⁴, projecting from the outer surface of the barn. This pulley and channel serve to maintain the 60 door-sections in a vertical position and prevent their displacement from the inclined ways B⁴ by wind or other causes, while said pulley and way are wholly inclosed between the door and barn-wall at all times, and there- 65 by protected. I am thus able to provide a doorway of large dimensions in the extreme upper part of the barn, through which hay or other farm products can be taken from a wagon by hoisting-tackle such as is in com- 70 mon use, and I can conveniently open and close the opening.

By making the door in two sections and running them on inclined ways, as herein shown and described, a comparatively small 75 vertical movement is required to open and close the door-opening. When the opening is closed, the sections travel up nearly to the peak of the roof, and when it is fully open the sections do not descend very low and at 80 the same time separate and move horizontally to such a distance as not to interfere with another door or window just below the gable-door opening.

I have indicated by dotted lines D in Fig. 85 1 a window located just below the gable-door opening.

It is obvious that the sections may be operated independently of each other and that a single section may be employed to close a 90 similarly-shaped opening on one side of a vertical line bisecting the gable.

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

1. The combination with the side wall of a 95 building provided with a door-aperture, and a projecting inclined roof overhanging said wall, of a track parallel with and adjacent to said overhanging inclined roof, and a door movable along said track to and from the 100 door-aperture and having an inclined upper edge parallel with and adapted to fit up immediately under said inclined overhanging roof, substantially as described.

2. The combination with the side wall of the gable end of a building, and the oppositely-inclined eaves overhanging said wall, of a pair of tracks parallel and adjacent to
5 the respective inclined eaves, and a pair of doors movable along the respective tracks to and from each other, the upper edges of the doors being parallel with the respective eaves of the gable and adapted to fit up immediately thereunder, substantially as described.
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3. The combination with the side wall of a building provided with a door-aperture, and a projecting inclined roof overhanging said wall, of a track parallel with and adjacent to
15 said overhanging inclined roof, a door mov-

able along said track to and from said door-aperture and having an inclined upper edge parallel with and adapted to fit up immediately under said roof, an inclined way on the inner side of said door, and a roller pivotally
20 mounted upon said wall and engageable with said way, said way and roller being located wholly between said door and wall, substantially as described.

In testimony whereof I have hereunto set
my hand this 30th day of August, 1897.

ALEXANDER McNISH.

Witnesses:

FRANK J. CONDON,
BRAMMIE COPELAND.