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UNITED STATES PATENT OFFICE.

CHARLES T. MOORMAN, JR., OF JAMESTOWN, OHIO, ASSIGNOR TO HIMSELF
AND PASCHAL L. MOORMAN, OF SAME PLACE.

IMPROVEMENT IN GRANARIES.

Specification forming part of Letters Patent No. 133,244, dated November 19, 1872.

To all whom it may concern:

Be it known that I, CHARLES T. MOORMAN, Jr., of Jamestown, in the county of Green and State of Ohio, have invented a new and useful Improvement in Granary, of which the following is a specification:

In the accompanying drawing, Figure 1 is a detail vertical longitudinal central section of my improved granary taken through the line *x x*, Fig. 2; and Fig. 2 is a detail vertical cross-section of the same taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved granary, which shall be so constructed that rats and other vermin cannot get into it, which shall be firm and solid, will not "creel" with weight, will protect the grain better and may be readily moved without injury to the building; and it consists in the construction and combination of various parts, as hereinafter more fully described.

The entire granary is supported upon posts A, which are set at an angle of about forty degrees (40°), and are arranged in pairs, the upper ends of the posts of each pair being firmly secured to each other. C are hanging posts, which are inclined at an angle of about thirty degrees (30°) in the opposite direction from the posts A. The lower parts of the posts A C cross, and are notched to each other, as shown in Fig. 2. The posts A C are strengthened and stiffened by braces B, the lower ends of which are inserted in notches in the lower part of the posts A, and their upper ends are inserted in notches in the upper parts of the posts C, as shown in Fig. 2. The posts A C and braces B thus form a self-supporting frame-work, which is strengthened and stiff-

ened by the end weather-boarding N attached to it. F are the studs, which are arranged at suitable distances apart, are placed parallel with the posts C, and are supported by the suspenders D, the upper ends of which are attached to the upper parts of the posts C. The suspenders D incline downward and inward, and their lower ends meet in the middle of the lower part of the sides of the granary, as shown in Fig. 1. The lower ends of the studs F and posts C are connected by the ties E L, the ties E being notched to said posts and studs, and the ties L being attached to them. The ties E L support the floor. The upper ends of the studs F and posts C upon each side are connected by a plate, H, which plates are connected by ties G. I are the rafters, to which the roofing O is attached. M is the side weather-boarding, which is attached to the studs F and posts C.

By this construction the granary is fully protected from rats and other vermin, as the inclination of the exposed parts affords them no chance to stand or sit and gnaw.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The inclined posts A and C, and braces B, arranged in connection with each other for supporting the granary, substantially as herein shown and described.

2. The arrangement of the suspenders D and ties E L, in connection with the studs F and posts C, substantially as herein shown and described, and for the purpose set forth.

CHARLES T. MOORMAN, JR.

Witnesses:

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