

1,060,087.

Fig.1.

Fig. 2.

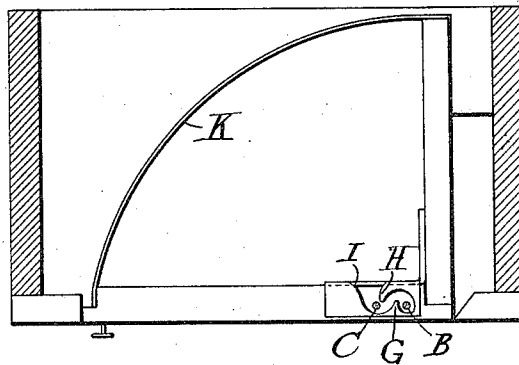
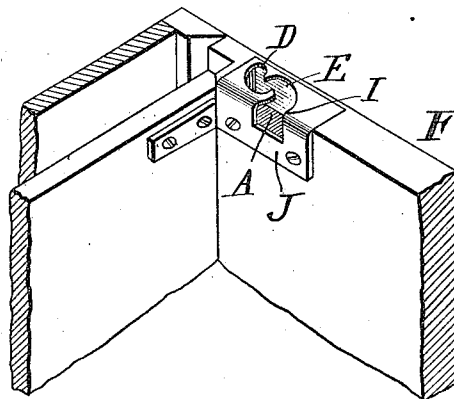


Fig. 3.



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FLOUR-BIN HANGER.

1,060,087.

Specification of Letters Patent.

Patented Apr. 29, 1913.

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To all whom it may concern:

Be it known that I, WILLIAM W. HEISLER, a citizen of the United States, residing at Auburn, in the county of King and State of Washington, have invented new and useful Improvements in Flour-Bin Hangers, of which the following is a specification.

My invention relates to improvements in flour bin hangers, and has for its object the hanging or hinging of a flour bin in a frame in such a manner that it will not come loose from the frame when being used, but at the same time can be easily taken from and replaced in the frame for the purpose of cleaning. I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is a front view of a flour bin showing my invention, with the bin closed; Fig. 2 is a top view of a flour bin with my improved hanger, the top of the frame work being removed, showing the hanger and the location of the two pins upon which the same turns; and Fig. 3 is a sectional inside view of a portion of a flour bin showing the position and shape of the hanger when the bin is closed.

Similar letters refer to similar parts throughout the several views.

In the construction and use of my improved flour bin hanger, a rectangular frame, Figs. 1 and 2, is used. The bin is constructed so as to loosely fit in the frame, Fig. 2. The bin hanger is constructed of a thin metal plate, J, which is screwed fast to an upper corner of the bin. An opening, A, is cut in the metal plate, Fig. 3, and the wood underneath the same cut away sufficiently to permit the two pins hereinafter referred to, to work in the plate opening A. Two metal pins, B and C, are made fast to the upper portion of the frame in such a position as to come immediately above the portions of the opening D and E in the plate when the bin is closed into the frame as shown in Fig. 1. At the opposite lower corner of the bin a metal pin, F, is made fast to the lower portion of the frame, Fig. 1, and a metal plate screwed fast to the lower portion of the bin through which is a hole

adapted to swing over the pin F, as shown in Fig. 1. The opening A through the plate J is made somewhat S-shaped, and the pins B and C are placed such a distance apart as to enable the two projections or points, G and H, Fig. 2, to be between the pins when the bin is closed as in Fig. 2. The weight of the bin as it swings out when being opened, together with the projection of the points G and H, forces the bin to turn on pin B at the top and pin F at the bottom of the frame, allowing the bin to be opened and shut like a door, the portion of the bin which shuts into the frame, K, being made circular, so as to enable it to swing in and out of the frame, the projections G and H preventing the bin from falling from the frame, the S-shaped opening through the plate J permitting the bin to be easily removed from and replaced in the frame. The shape of this opening A when working over the two pins B and C serves to hold the bin firmly in place in every position when being opened and closed. The distance between the two pins B and C is the same as the distance between pin C and the shoulder I on the plate J, Figs. 2 and 3. Therefore, when the bin is being opened and closed the curved surface of the opening A coming in contact with the pin C keeps the pin B in its proper place, and forces it into place should it be removed.

I claim:

The combination in a flour bin hanger of a metal plate screwed fast to an upper corner of a flour bin, an S-shaped opening through the plate, two pins made fast to the upper portion of the frame at a distance apart corresponding to the distance between the curves in the opening, a metal pin made fast to the opposite lower corner of the frame working in a hole through a plate screwed fast to the lower corner of the bin, with the portion of the bin opposite the hangers made circular in shape, all substantially as described.

WILLIAM W. HEISLER.

Witnesses:

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W. C. HERRIMAN.