(No Model.)

F. ZAN.

CRATE AND DISPLAY STAND FOR BROOMS.

No. 450,858. Patented Apr. 21, 1891.

Fig. 1.

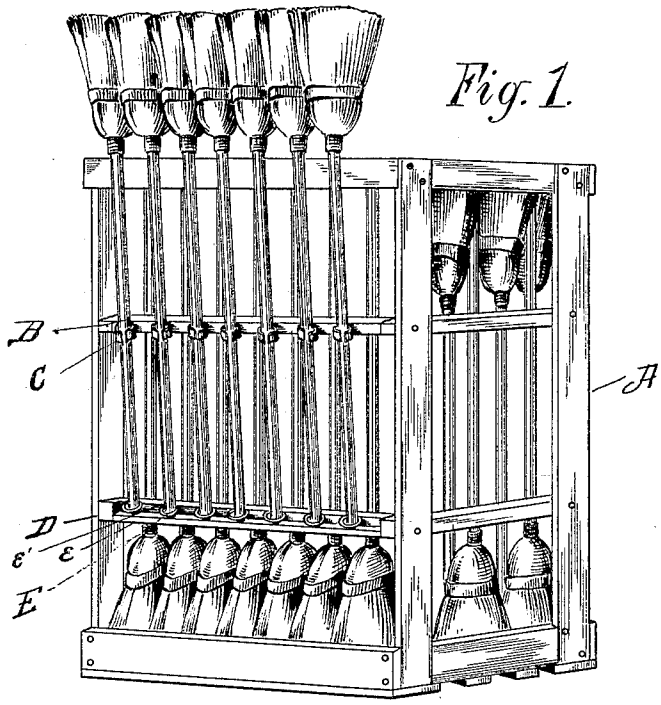


Fig. 4.

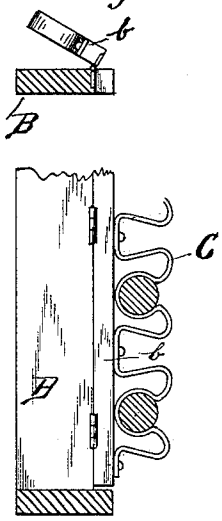


Fig. 2.

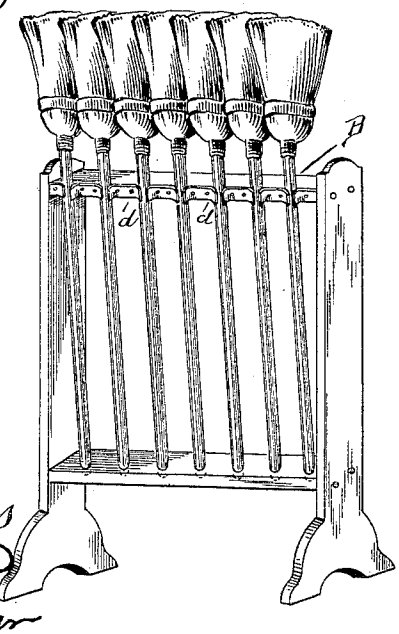


Fig. 7.

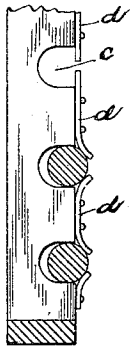


Fig. 3.

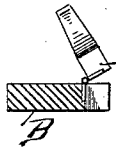
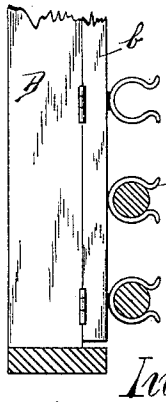


Fig. 6.

Fig. 5.



Witnesses
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Chas. A. Acker

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UNITED STATES PATENT OFFICE.

FRANK ZAN, OF SAN FRANCISCO, CALIFORNIA.

CRATE AND DISPLAY-STAND FOR BROOMS.

SPECIFICATION forming part of Letters Patent No. 450,858, dated April 21, 1891.

Application filed May 12, 1890. Serial No. 351,486. (No model.)

To all whom it may concern:

Be it known that I, FRANK ZAN, a citizen of the United States, residing at the city and county of San Francisco, and State of California, have invented certain new and useful Improvements in Crates and Display-Stands for Brooms; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

This invention relates to certain new and useful improvements in crates and display-stands for brooms; and it consists of the parts and details of construction, as will hereinafter be more fully shown in the drawings, and described and pointed out in the specification.

The object of my invention consists in providing a combined crate and display stand or rack for brooms, which shall be so constructed as to permit of the more ready insertion and withdrawal of the brooms.

Referring to the drawings forming a part of this specification, in which similar letters of reference are used to denote corresponding parts throughout the entire specification and several views thereof, Figure 1 is a view in perspective showing the crate and display rack or stand combined; Fig. 2, a similar view of the display rack or stand; Figs. 3, 5, and 7, detail views of the flexible retaining-strips, and Figs. 4 and 6 detail views in cross-section.

The crate, which is constructed in the ordinary manner by means of the cross, longitudinal, and upright pieces suitably secured together, is indicated by the letter A.

To the longitudinal piece B, I hinge the front piece or strip *b*, to which is secured the spring-retaining clamp C, which clamp may be constructed from one piece of wire or spring metal, as shown in Fig. 3, or of one or more distinct clamps, as shown in Fig. 5. However, if so desired, instead of metallic or spring clamps, the longitudinal piece B may be provided with a series of elongated openings *c*, and to the front edge thereof may be fastened rubber strips *d*, sufficient in length to overlap the edges of the openings, by means of which the handle of the broom may be securely held in position.

The lower longitudinal piece or brace D is cut away or rabbeted so as to form a forwardly-projecting shoulder *e*. To the front edge *e'* of said piece I secure the rings E, through which the lower end of the handle passes and by means of which it is held securely in an adjusted position.

In Fig. 2 I have shown the display-stand separate from the crate and merely provided with the upper retaining-strip. The entire outer frame of the crate may, if so desired, be provided with the retaining-strips, and thus allow of the whole surface being utilized as a display-frame.

During shipment of the crate the spring-retaining strips, inasmuch as the same are hinged to the longitudinal piece B, may be thrown upward and back upon said piece, so as to be out of the way and protected from damage through handling of the crate, as clearly shown in Figs. 4 and 7.

I am aware that material other than such as has been described may be employed for the purpose of forming spring-retaining clamps and that the form thereof may be altered from such as I have shown.

Instead of the style shown in Fig. 3, a coiled-spring clamp may be substituted.

If so desired, the retaining-clamp may be secured rigidly to the crate-frame or pivoted thereto directly instead of to the hinged front piece.

By the construction hereinbefore set forth I provide a combined display-stand and transportation or shipping crate—that is to say, a stand wherein provision is made for the accommodation of brooms both interiorly and exteriorly—and when the crate is being transported the device employed for exhibiting the brooms may be thrown back within the crate, so as to be perfectly safe or free from damage by contact with obstructions or otherwise. This latter is accomplished through the employment of the hinged supplemental strip, before described, carrying the retaining-clamps. When this strip is thrown back upon the cross-piece B during transportation, it will be observed that the upright pieces of the frame, extending above the cross-piece and supplemental strip, protect the latter from damage and practically bring the same and its attached clamps within the crate.

Having thus described my invention, what I claim as new, and desire to secure protection in by Letters Patent of the United States, is—

In a combined display-stand and transportation-crate, the combination, with a frame, of a cross-piece interposed between the uprights thereof at a point below the upper ends of said uprights, and a supplemental strip secured to said cross-piece by upwardly-swinging hinges, said supplemental strip provided with retaining-clamps and adapted to be swung backward within the crate and to be seated upon the cross-piece, substantially as set forth.

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

FRANK ZAN.

Witnesses:
N. A. ACKER,
M. G. LOEFLER.