(No Model.)

J. P. RECKER.

FLEXIBLE SHUTTER.

No. 292,047. Patented Jan. 15, 1884.

Fig. 1.

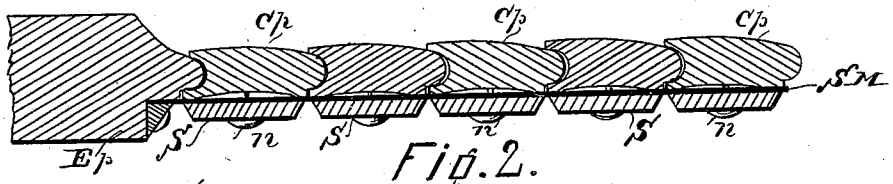
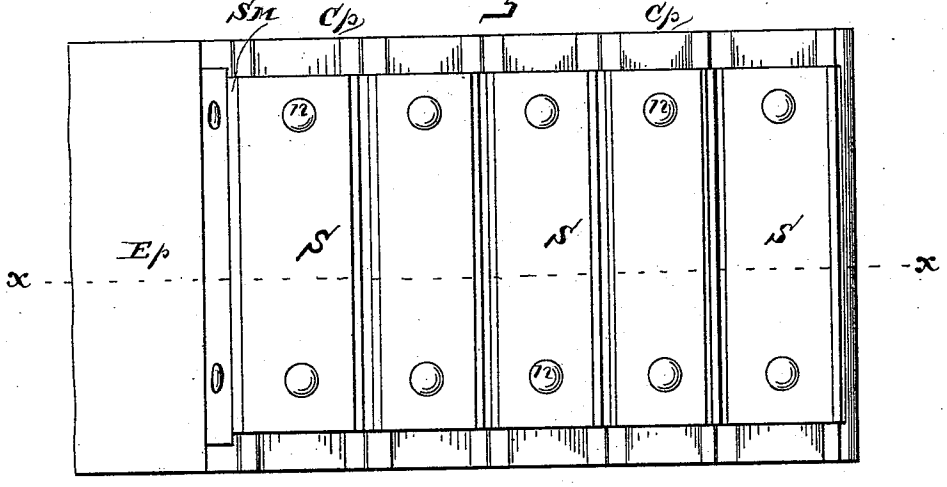


Fig. 2.



WITNESSES.

Jacob W. Cooper

W. P. S.

INVENTOR.

John P. Recker

By C. P. Jacobs

Atty.

UNITED STATES PATENT OFFICE.

JOHN P. RECKER, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO THE INDIANAPOLIS CABINET COMPANY OF INDIANA.

FLEXIBLE SHUTTER.

SPECIFICATION forming part of Letters Patent No. 292,047, dated January 15, 1884.

Application filed July 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. RECKER, a resident of Indianapolis, Marion county, Indiana, have made certain new and useful Improvements in Flexible-Jointed Shutters, a description of which is set forth in the following specification, reference being made to the accompanying drawings, in the several figures of which like letters indicate like parts.

My invention relates to the construction of shutters made of separate sections and connected together by metallic strips, and is intended as an improvement upon the device invented by me and described in Letters Patent No. 277,608, dated May 15, 1883.

In the drawings, Figure 2 is a rear elevation, and Fig. 1 a cross-section on the line *x x*, Fig. 2.

In detail, C*p* are the cross-pieces or shutter-slats; E*p*, the solid end piece; S*m*, a sheet-metal strip, which is continuous from one end of the shutter to the other, and is flexible, and is held to the shutter-slats by slats S, affixed to the under side of each shutter-strip by nails or screws *n*, the metallic strip S*m* being between the slat S and the shutter-slats C*p*. This construction is simpler and cheaper than the one shown in my prior Letters Patent; and the continuous sheet of metal being held firmly its entire width to each slat practically brings each slat to the one next to it, and the shutter is not only flexible but jointed throughout.

The shutter-slats C*p* may be made in the form shown in Fig. 1, the rear of one being concave to receive the convex end of the one next to it; or they may be made with plain edges, as desired. In either case the hinge is perfect, as formed by the continuous strip of metal.

What I claim, and desire to secure by Letters Patent, is the following:

The flexible-jointed shutter herein described, composed of the shutter-slats C*p*, slats S, and continuous metallic strip S*m*, all combined substantially as described.

In witness whereof I have hereunto set my hand this 23d day of June, 1883.

JOHN P. RECKER.

Witnesses:
C. P. JACOBS,
H. C. ALLEN.