W. YOUNGBLOOD.

Eccentric Fastenings for Boxes, &c.

No. 135,873. Patented Feb. 11, 1873.

Fig. 1

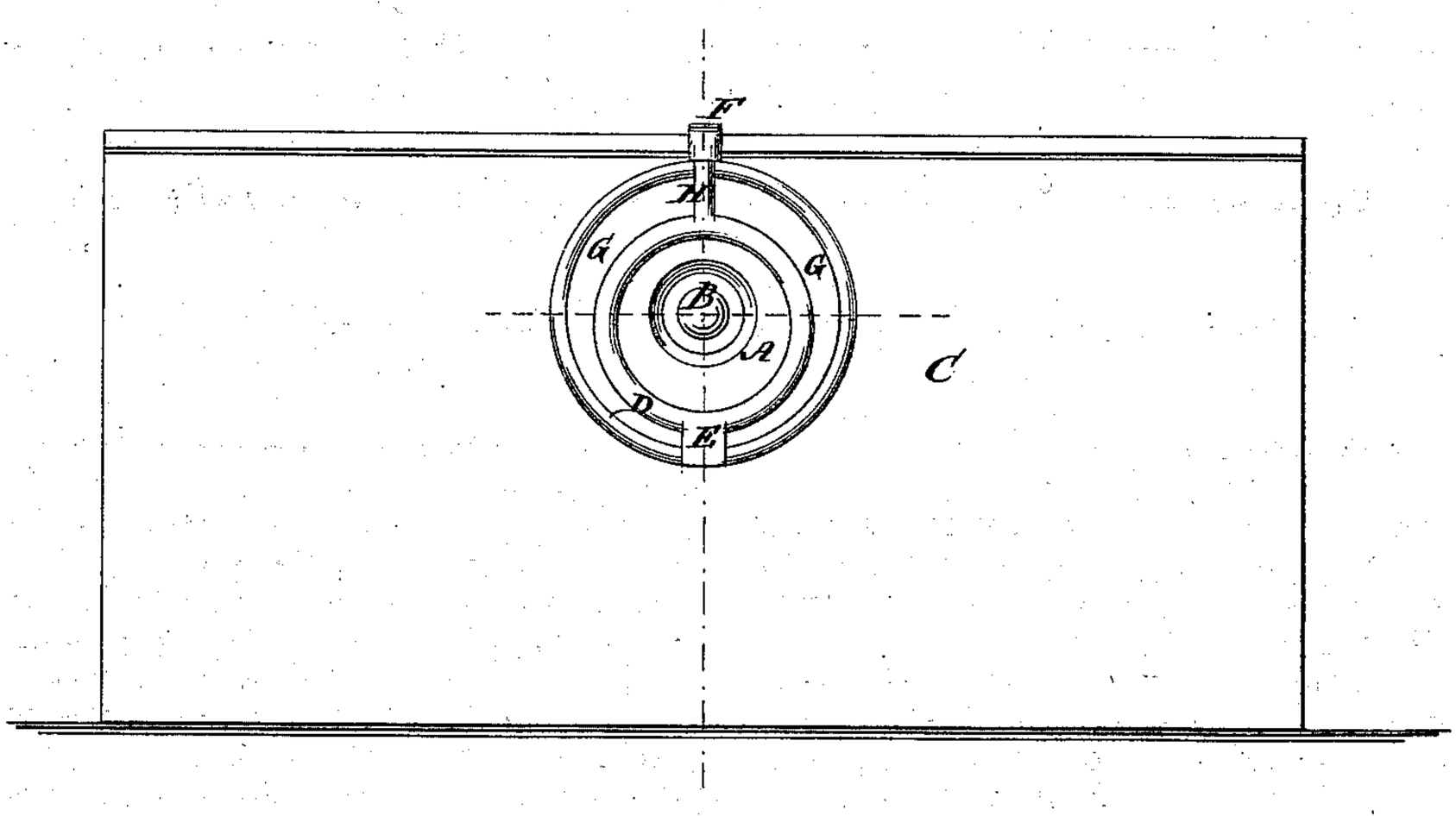


Fig. 2.

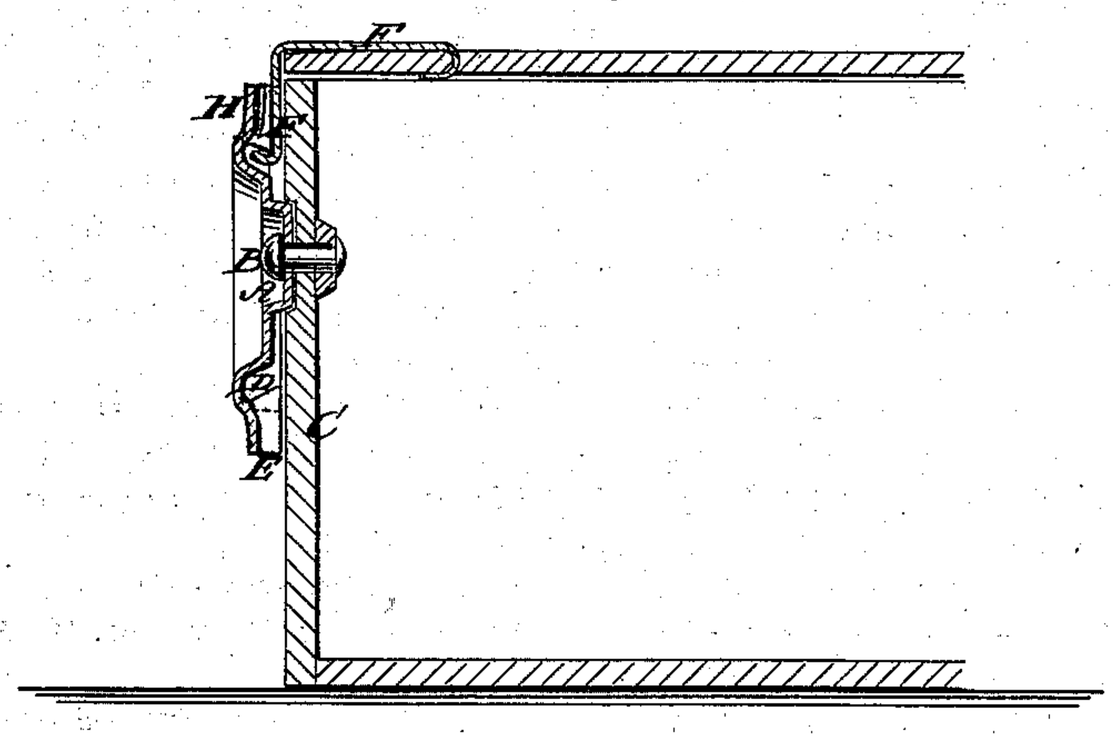
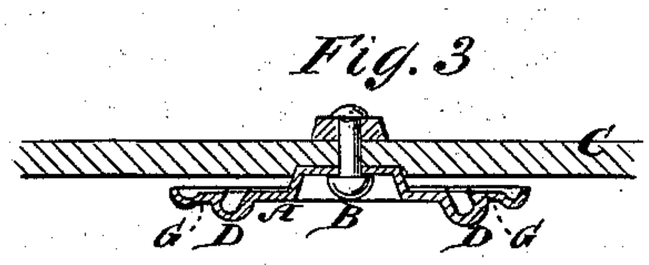


Fig. 3



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UNITED STATES PATENT OFFICE.

WILLIAM YOUNGBLOOD, OF BROOKLYN, NEW YORK, ASSIGNOR TO ROSABELLE YOUNGBLOOD, OF SAME PLACE.

IMPROVEMENT IN ECCENTRIC FASTENINGS FOR BOXES, &c.

Specification forming part of Letters Patent No. **135,873**, dated February 11, 1873.

To all whom it may concern:

Be it known that I, WILLIAM YOUNGBLOOD, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Eccentric Catch-Fastening, of which the following is a specification:

My invention consists of a circular disk or button catch, of metal or any other suitable substance pivoted at its center to the side or top of the box or other thing to be fastened, and having a circular groove in the face fronting the box arranged eccentrically to the pivot, so that the hook or hasp of the box-cover which drops into it through a radial notch will be pulled down and fasten the cover down tight when the catch is turned, the said radial notch being arranged where the groove is furthest from the center pivot.

The essential features of the invention consist of the arrangement of this eccentric groove within an outer margin of the disk, which makes the wall of the groove with which the hasp engages stronger than it would be if it consisted merely of a flange turned up at the edge of the disk, and it protects the said wall from being jammed and bent, and by pivoting the disk at its center it is more symmetrical, and in turning around it does not uncover and expose a roughened and disfigured patch on the surface of the box as an eccentrically-pivoted disk will, for of whatever arrangement the disk may be, it will scratch and disfigure the surface against which it acts, and if pivoted eccentrically, a portion of the scratched surface will be exposed to view, which will not be if the disk is pivoted centrally.

Figure 1 is a front elevation of box fastened by an eccentric-catch of my improved construction. Fig. 2 is a sectional elevation, and Fig. 3 is a section, of the disk taken at right angles to the section of Fig. 2.

Similar letters of reference indicate corresponding parts.

A represents the circular disk, catch, or button, which is pivoted centrally at B to the side C of the box to be fastened. D is the groove, formed upon the inner surface eccentrically to the pivot B. E is the radial groove in the same face of the disk to admit the hook or hasp F into the groove and allow it to escape therefrom. In practice the outermost wall of this eccentric groove will be slightly undercut or shaped in that manner so as to prevent the hook from slipping out. G is a wide margin of the disk outside of the groove D to protect the wall of the groove on which the hook acts, from injury. The periphery of this margin is concentric with the pivot B, so that it does not expose any of the surface of the box covered by it, as aforesaid, when turned about, and a bead is formed on the edge for strengthening it. H is a small radial rib raised on the outside for the application of the finger-nail to turn the button.

In the construction of this catch the grooves and the bead will probably be struck up from the inside in dies, but it may be made in any approved way.

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

The disk A pivoted centrally to the box, provided with an outer flange, G, and on its under side with an eccentric groove, D, and a radial groove, E, communicating therewith, as shown and described, whereby the hook of the hasp may be let into the portion of the groove D furthest from the pivot B and the fastening completed, as set forth.

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