

(No Model.)

G. W. PARRISH.

BARREL HOOP.

No. 387,536.

Patented Aug. 7, 1888.

Fig. 1

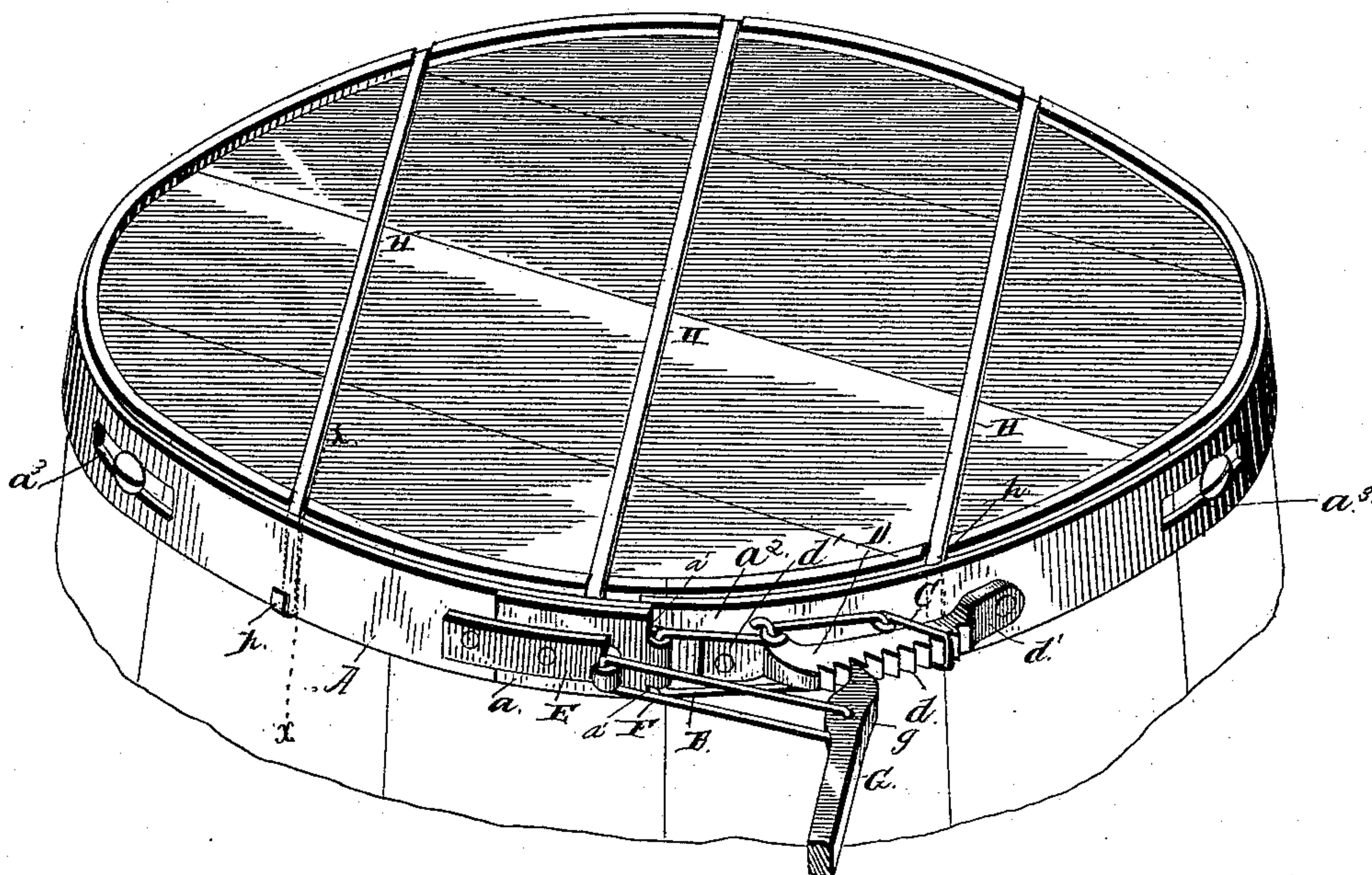


Fig. 2

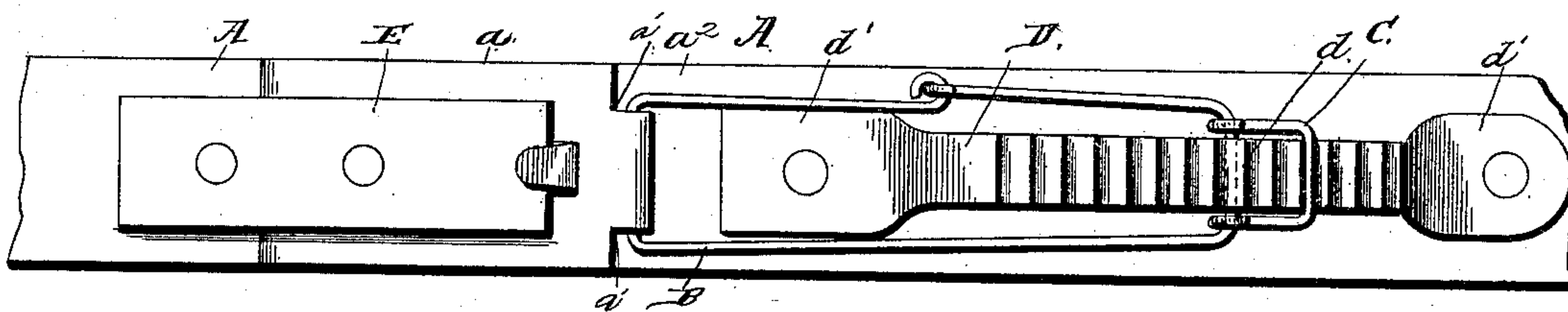


Fig. 3

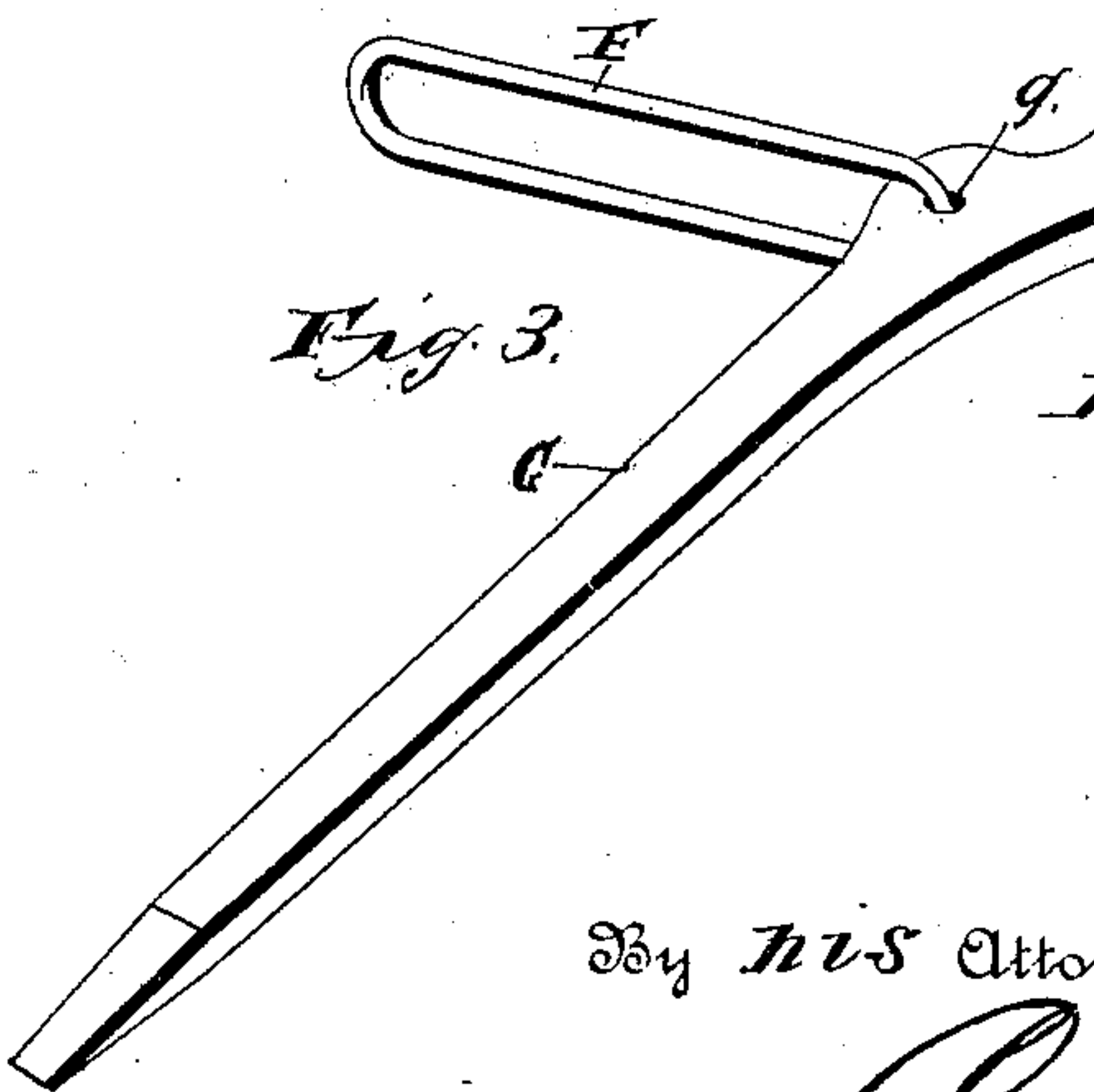
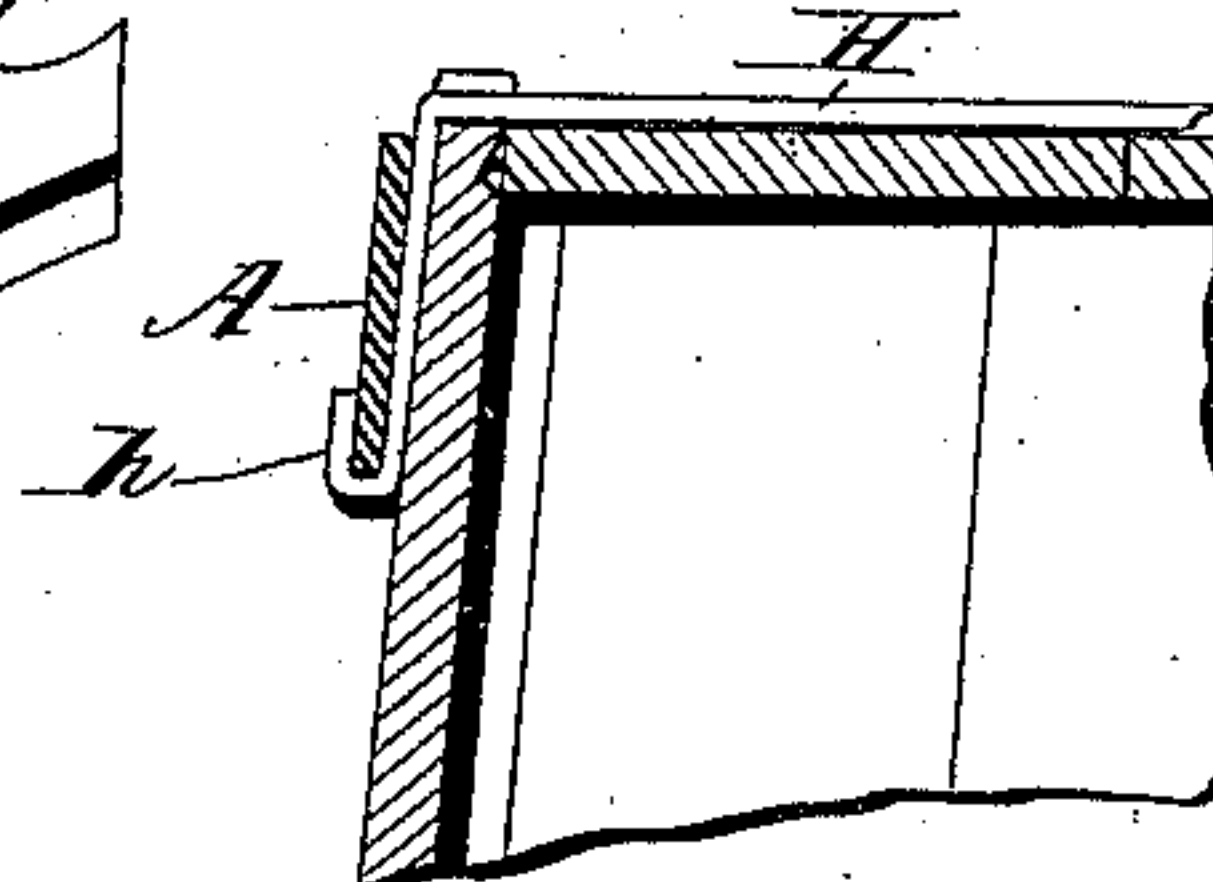


Fig. 4



Witnesses,

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Inventor,

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By *his* Attorneys,

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UNITED STATES PATENT OFFICE.

GEORGE WASHINGTON PARRISH, OF SALEM, VIRGINIA.

BARREL-HOOP.

SPECIFICATION forming part of Letters Patent No. 387,536, dated August 7, 1888.

Application filed April 12, 1888. Serial No. 270,426. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WASHINGTON PARRISH, a citizen of the United States, residing at Salem, in the county of Roanoke and State of Virginia, have invented a new and useful Improvement in Barrel-Hoops, of which the following is a specification.

The invention relates to improvements in barrel-hoops.

The object of the present invention is to produce a hoop, of simple and economic construction, adapted for use on a barrel, hogshead, keg, or tub, and capable of having its ends drawn together, after it is placed in position, to diminish its size and draw the staves more closely together.

The invention consists in the novel combination and arrangement of the parts, herein-after fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the accompanying drawings, forming part of this specification, and in which like letters of reference designate corresponding parts, Figure 1 is a perspective view of a portion of a barrel, showing the staves secured together by a hoop constructed in accordance with this invention and the head of the barrel held in place by metal strips connected to the hoop. Fig. 2 is a plan view of the ends of the hoops, showing one of them provided with a curved rack and the other having a swiveled link that engages the curved rack to hold the ends of the hoop together. Fig. 3 is a perspective view of the lever and link employed in drawing the ends of the hoop together; and Fig. 4 is a detail sectional view, section being taken on line *x x* of Fig. 1.

Referring to the accompanying drawings, A designates a hoop constructed of iron, brass, or other suitable metal, and having one of its ends *a* bent over upon itself to swivel a link between its folds. The end *a* of the hoop A is cut away upon each side at *a'* to reduce the hoop in width at that point in order to enable a link, B, narrower than the hoop A, to be employed. At the free end of the swiveled link B is another link, C, which is secured to the link B by turning its ends over upon themselves, thereby forming eyes in which the link B is inclosed, and the said link C engages the teeth

d of the curved rack-bar D while the link B slides under the curved rack-bar between it and the hoop A. The other end, *a*², of the hoop A is provided with a curved rack-bar, D, secured to the hoop by rivets, screws, or the like passing through its flattened ends *d'*. The curved rack-bar has upon its outer edge the teeth *d*, which are shouldered in the direction opposite to the end *a*² of the hoop upon which the curved rack-bar D is fastened, and the rack-bar D between its ends is curved up, forming between it and the hoop A a space or way in which the link B slides, while the link C, surrounding the curved rack D, engages the teeth *d*, whereby the ends of the hoop A are securely fastened together.

In order to afford means whereby the ends of the hoop A may be drawn closer together to diminish its size and to increase the compactness of the staves, the end *a* has fastened to it, by any suitable means, a hook, E, which is adapted to be engaged by a link, F, which is secured in a hole, *g*, of a lever, G. When it is desired to draw the ends of the hoop closer together to diminish the size of the hoop, the link F is slipped over the hook E, and the end of the lever G is fulcrumed against one of the teeth *d* of the curved rack D, and the desired result is produced by pulling upon the handle of the lever, the link C engaging the teeth of the curved rack-bar to hold the ends of the hoop and prevent them slipping back when they are brought together.

The hoop A is retained in position relative to the ends of the barrel by screws passing through longitudinal slots *a*³ formed in the hoop A, and the longitudinal slots *a*³ are of sufficient length to permit the hoop to be diminished in size without interference on the part of the screws.

The head of the barrel is secured in place by strips of metal H, which have their ends *h h* formed into hooks which are passed under the hoop A and take up on the inner edge, as illustrated in Fig. 1 of the accompanying drawings.

From the foregoing description and the accompanying drawings the construction, operation, and advantages of the present invention will readily be seen; and of course it will be understood that I do not limit myself to

the precise details of construction herein shown and described, as I may, without departing from the spirit of the invention, make any minor changes therein.

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

10 1. A contractile hoop having at one end a curved rack-bar and at the other end a link capable of engaging the curved rack-bar, substantially as and for the purpose described.

15 2. A hoop having at one end a curved rack-bar and at the other end a link capable of engaging the curved rack-bar, and a hook secured to the end having the link, whereby the ends of the hoop may be drawn and held together, substantially as described.

20 3. A hoop having at one end a curved rack-bar and at the other end a link provided with another link, the former arranged to slide be-

tween the curved rack-bar and the hoop, and the latter capable of engaging the teeth of the curved rack-bar, and a hook secured to the end having the link, substantially as specified.

4. A hoop having at one end a curved rack- 25 bar and at its other end a hook and a link having attached to it another link, and strips of metal passing over the head of the barrel and having hooked ends that engage the hoop, whereby the head is retained in place and the 30 hoop may be contracted, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE WASHINGTON PARRISH.

Witnesses:

G. W. HANSBROUGH,
H. A. WEBBER.