

(Model.)

N. NEWMAN.

HOOP FASTENER.

No. 309,487.

Patented Dec. 16, 1884.

Fig. 1.

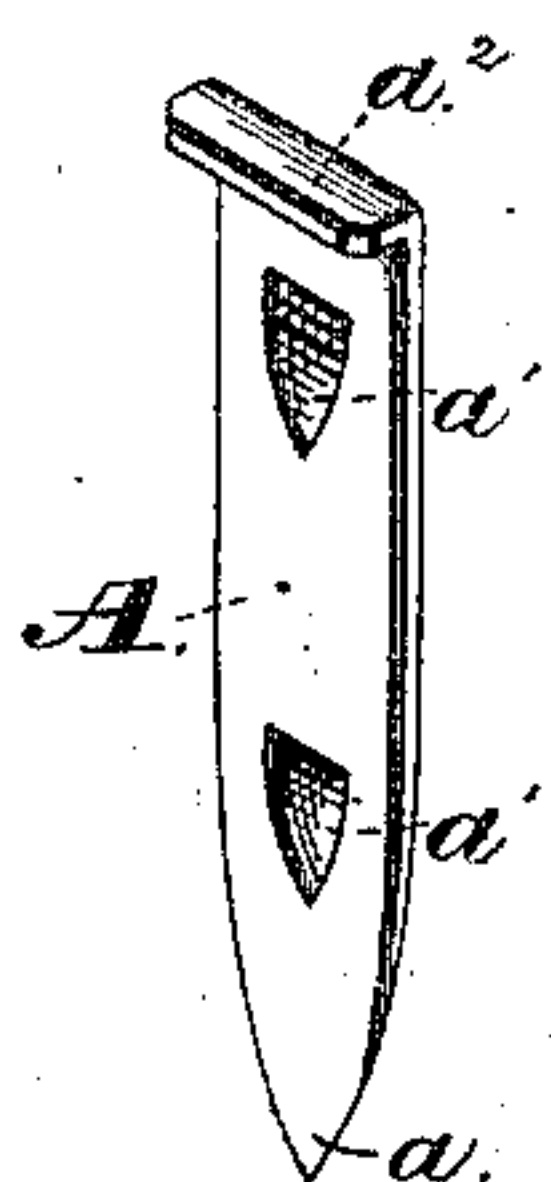


Fig. 2.

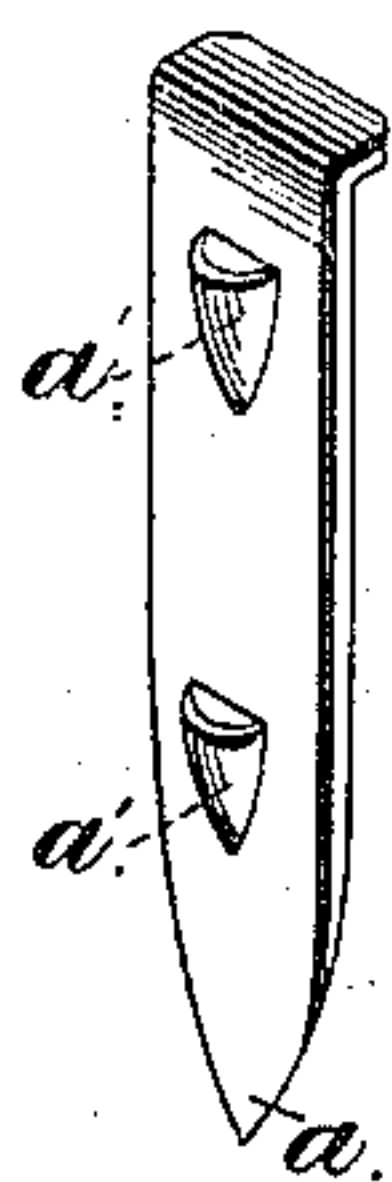


Fig. 3.

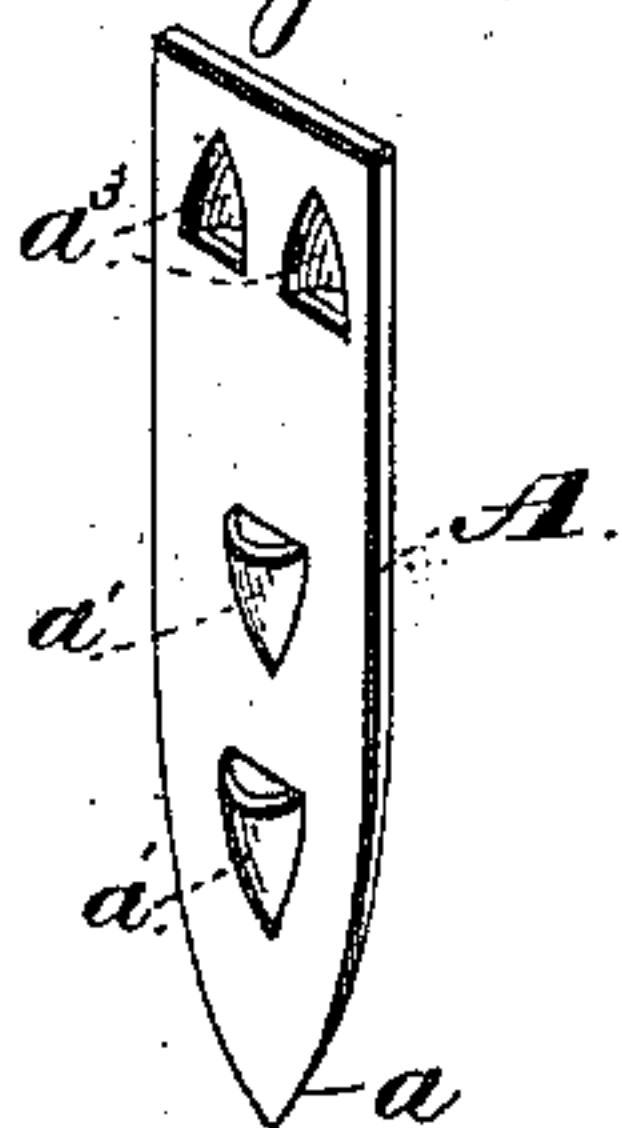


Fig. 4.

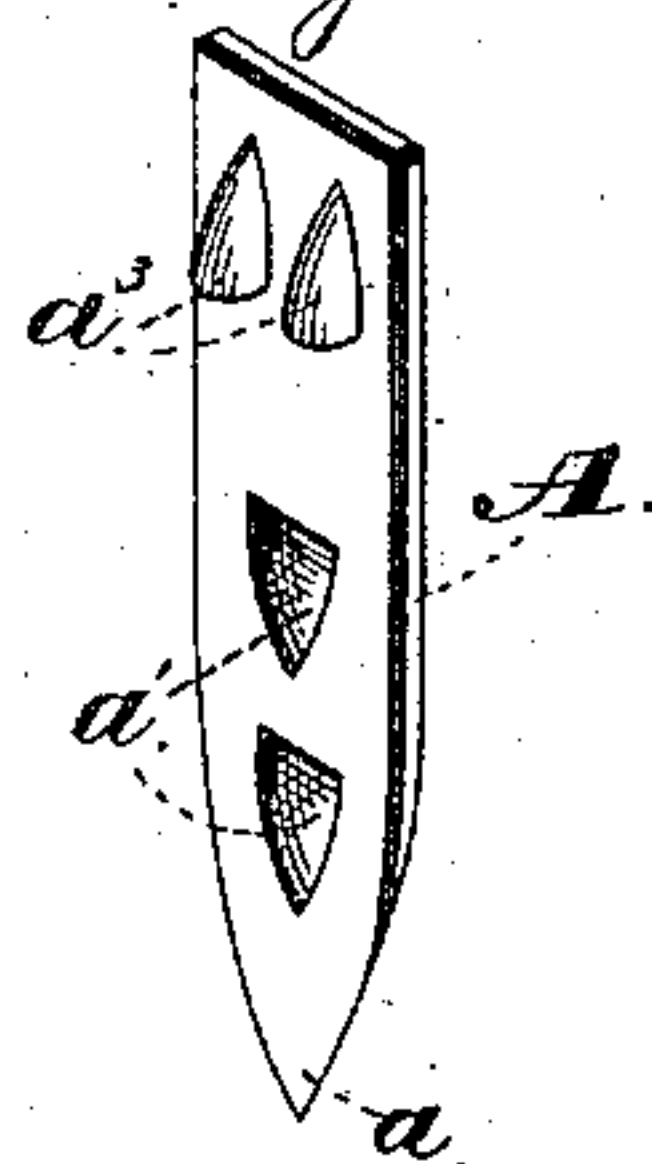
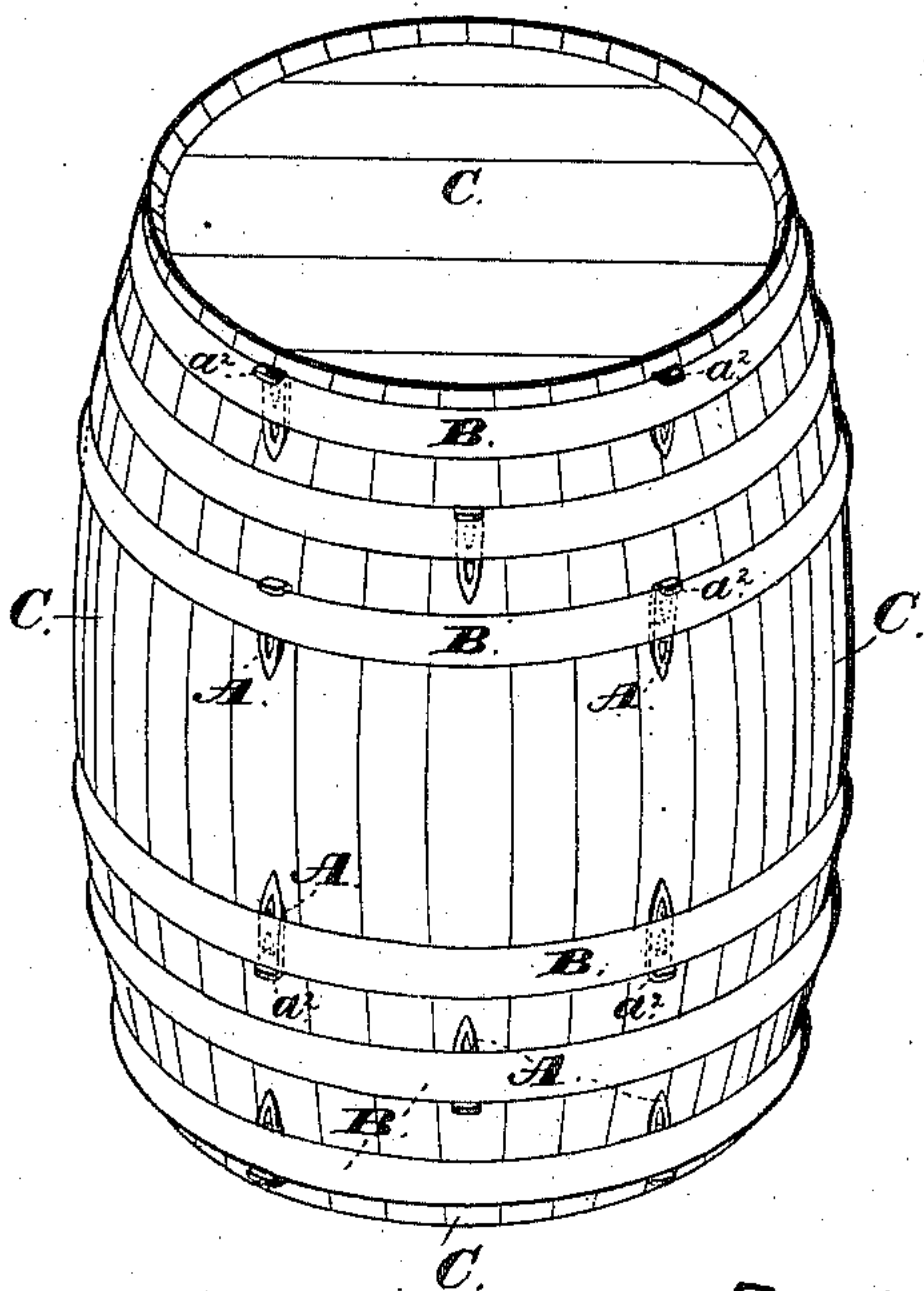


Fig. 5.



Witnesses:

Jas. E. Hutchinson.

Henry C. Hazard.

Inventor.

Nelson Newman, by
Cindle and Russell, his
attorneys.

UNITED STATES PATENT OFFICE.

NELSON NEWMAN, OF SPRINGFIELD, ILLINOIS, ASSIGNOR TO THE ADVERTISING ALARM SIGN COMPANY, OF SAME PLACE.

HOOP-FASTENER.

SPECIFICATION forming part of Letters Patent No. 309,487, dated December 16, 1884.

Application filed December 6, 1883. (Model.)

To all whom it may concern:

Be it known that I, NELSON NEWMAN, of Springfield, in the county of Sangamon, and in the State of Illinois, have invented certain new and useful Improvements in Hoop-Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the outer side of my device as preferably constructed. Fig. 2 is a like view of the rear side of the same. Figs. 3 and 4 are like views of a modification of said device, and Fig. 5 is a perspective view of a barrel having its hoops secured in place by means of said fastening.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to enable the hoops of barrels and other similar articles to be easily secured in position without interfering with their freedom of motion in the direction necessary for tightening them after shrinkage of the vessel; and to this end said invention consists in a hoop-fastening which is adapted to be driven between the hoop and the stave, and is provided upon its inner side with means, substantially as shown, for automatic engagement with the stave, and is adapted for engagement with the chine edge of the hoop, substantially as and for the purpose hereinafter specified.

In the annexed drawings, A represents my fastening, which consists of a plate of sheet metal that has preferably a width of about three-eighths of an inch and a length of about one and one-fourth inch, and at one end, a , is pointed to enable it to be more readily driven under a hoop, B. At two or more points the metal composing the fastening A is

driven downward, so as to form upon the rear side or back teeth a' , which have a rearward rake, while at the head of said device the metal is turned outward, so as to form at such point a lug, a^2 . In place of said lug a^2 one or more teeth, a^3 , raking forward, may be formed upon the upper face, near the rear end of said plate, as shown in Figs. 3 and 4, by punching the same from the rear, as in case of said teeth a' . The device thus constructed is driven beneath a hoop, B, from the chine end of the barrel C, until the lug a^2 or teeth a^3 engage with the edge of the hoop, when, by the engagement of the teeth a' with the contiguous stave, said fastening will be prevented from moving rearward, and said loop will be securely held in place. Should a hoop become loosened by the shrinkage of the barrel, it may be driven upward until tight in the usual manner, and the fastenings then driven to place, so as to hold said hoop in its new position.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

A hoop-fastening which is adapted to be driven between the hoop and the stave, and is provided upon its inner side with means, substantially as shown and described, for automatic engagement with the stave, and is adapted for engagement with the chine edge of the hoop, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of November, 1883.

NELSON NEWMAN.

Witnesses:

HENRY C. LATHAM,
DANIEL D. HALLAHAN.