No. 891,386. PATENTED JUNE 23, 1908.

R. STUDER.

HOOP.

APPLICATION FILED JAN. 9, 1908.

FIG. 1

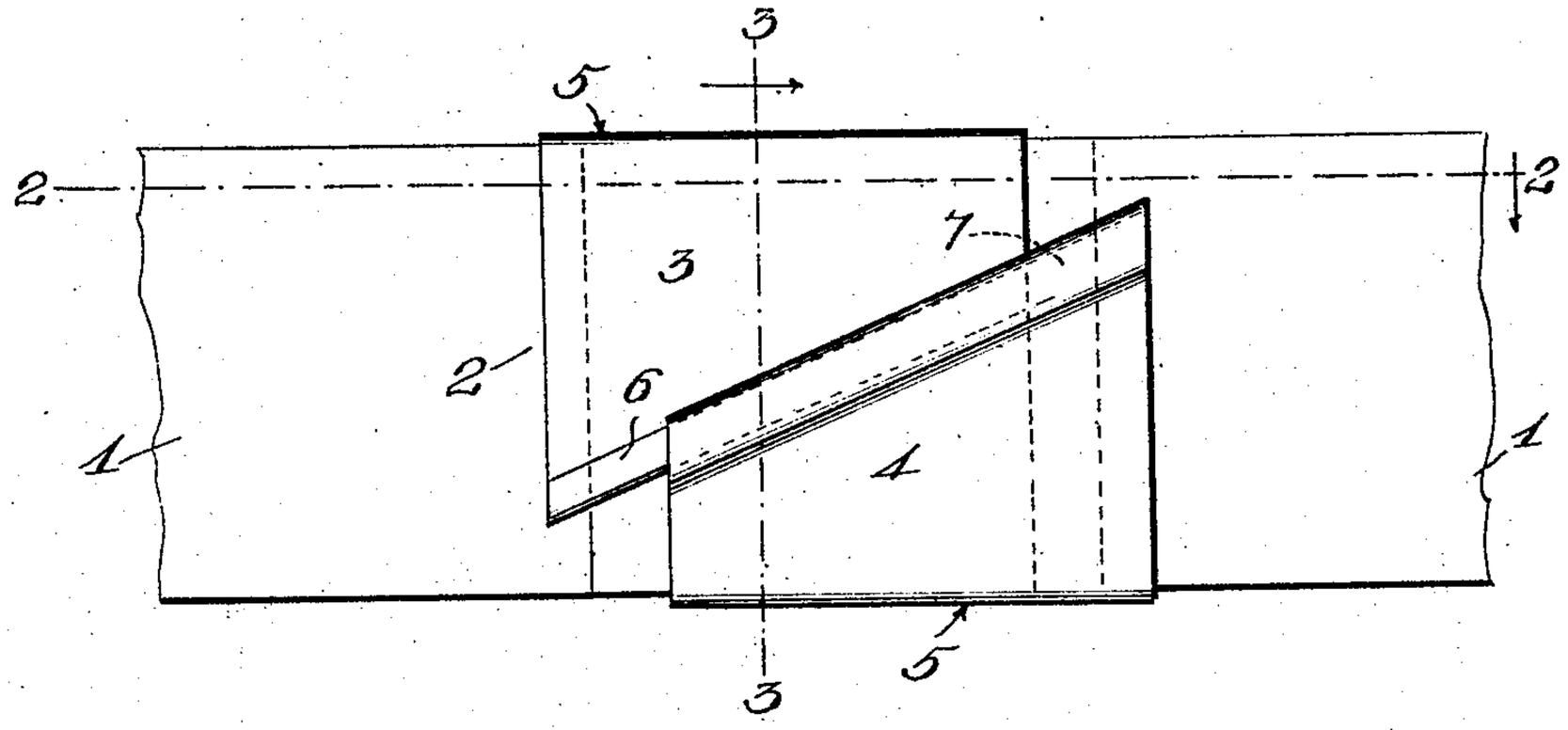


FIG. 2

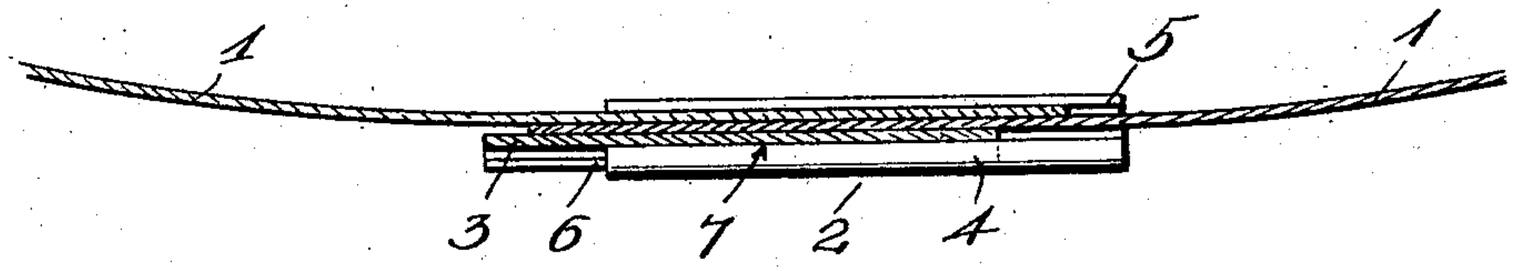
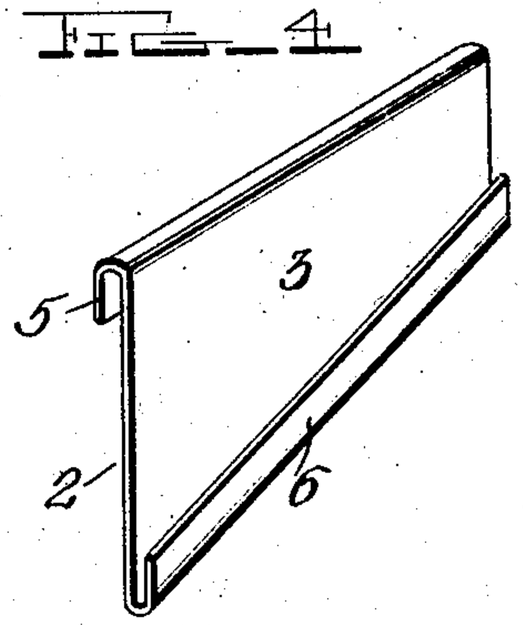


FIG. 3

FIG. 4



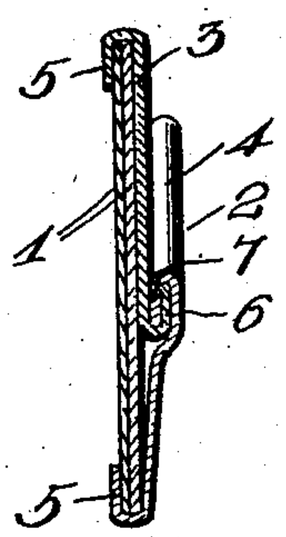
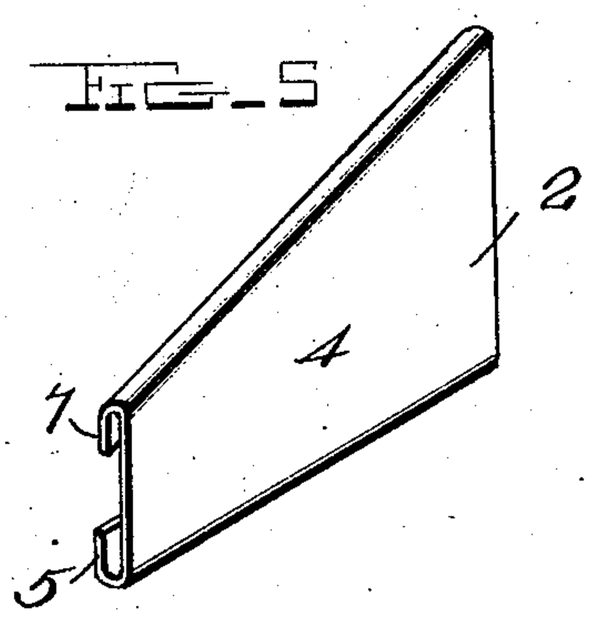


FIG. 5



Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT STUDER, OF SAN JOSE, CALIFORNIA.

HOOP.

No. 891,386. Specification of Letters Patent. Patented June 23, 1908

Application filed January 9, 1908. Serial No. 409,992.

To all whom it may concern:

Be it known that I, ROBERT STUDER, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Hoops; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to new and useful improvements in hoops and has for its object to provide simple and inexpensive means whereby the ends of a hoop may be securely connected together in the event of the hoop bursting by reason of it being subjected to too great a strain without having to remove the hoop and take it to a blacksmith to have its ends punched and riveted together.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a view in side elevation of a portion of a hoop body with the invention applied as a connection for the ends of the hoop. Fig. 2 is a horizontal section taken on the plane indicated by the dotted lines 2—2 of Fig. 1; Fig. 3 is a cross section taken on line 3—3 of Fig. 1. Fig. 4 is a detail perspective view of one of the coöperating clips or fastening members, and Fig. 5 is a similar view of the other clip or fastening member

In the embodiment illustrated, 1, indicates the body of a hoop of ordinary construction represented as having its ends separated or burst apart.

The numeral 2 indicates the fastening means for the ends of the hoop. This fastening means comprises two coöperating metallic clips or connecting members, 3 and 4, respectively, bent inwardly at their outer side edges to form inwardly extending flanges, 5, adapted to be interlocked or engaged with the edges of the hoop body.

The inner side edge of clip 3, is inclined at a suitable angle with its outer or opposite edge and is bent outwardly at said edge to form an outwardly extending inclined flange, 6, while the inner side edge of the other lip 4, is inclined to correspond with the inclination of the inner side edge of clip 3 but in an opposite direction, and is bent inwardly to form an inwardly extending locking flange 7 adapted to be engaged or interlocked with the flange 6, of member 3, when the clips are employed as fastening means for the ends of the hoop body.

In practice, the clips are arranged at opposite side edges of the hoop body and after having their outer flanges, 5, engaged or interlocked with the side edges of the hoop body, and their inner side edges interlocked or engaged are driven together until in proper position, when the clip flanges 5, 5 are battered down to cause them to tightly bind or engage the hoop ends.

From the construction disclosed and defined it will be readily perceived that through the use of the two coöperating clip members, should the hoop burst, its ends may be readily and easily connected together without having to remove the hoop and without the usual punching and riveting operations, and the ends of the hoop caused to tightly embrace the barrel, tank, or other object to which it may be applied.

Having thus described the nature of my invention, what I claim as new and desire to secure by Letters-Patent, is:

1. In combination with a hoop, upper and lower coöperating clip members, provided with outer inwardly bent side flanges adapted to engage the opposite edges of the hoop ends and with inner side flanges adapted for interlocking engagement.

2. In combination with a hoop an upper clip member formed with an outer inwardly bent side flange and an inner outwardly bent side flange, the latter being disposed at an angle with the former and the former being adapted to engage the upper edge of one end of the hoop and a second coöperating clip member formed with an outer inwardly bent side flange adapted to be engaged with the lower edge of the other end of the hoop, and with an inwardly bent side flange disposed at an angle with its outer flange and being adapted for interlocking engagement with the inner side flange of the upper clip member.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBERT STUDER.

Witnesses:

D. D. TENNYSON,

B. V. MAGEE.