I. O. ROOT.

METALLIC HOOP.

APPLICATION FILED OCT. 7, 1907.

905,587. Patented Dec. 1, 1908.

Fig. 2.

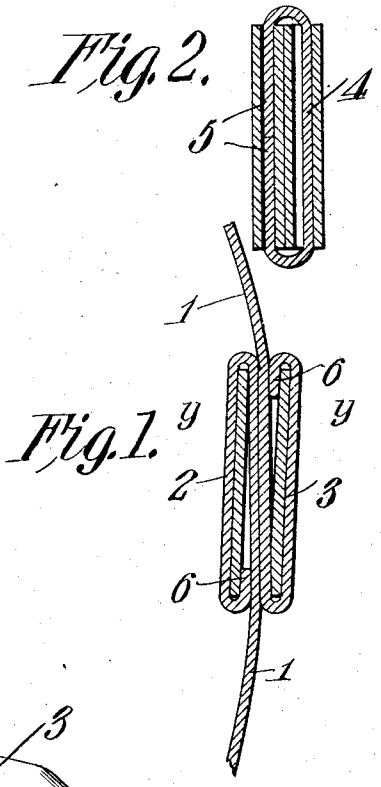


Fig. 1.

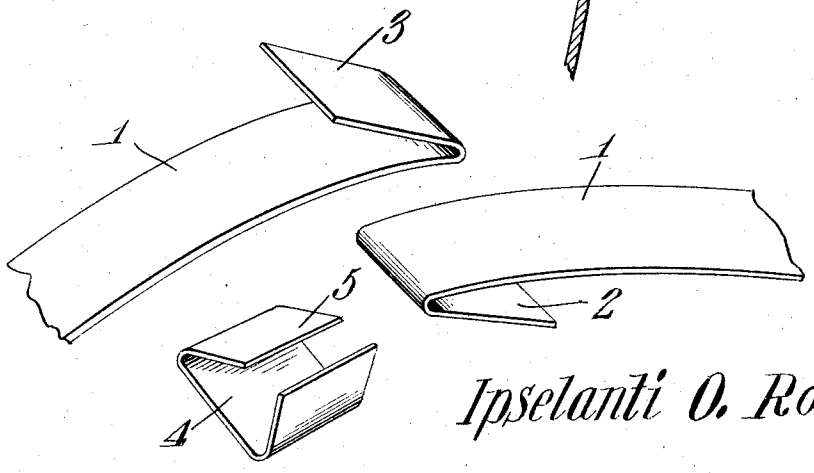


Fig. 3.

Witnesses

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METALLIC HOOP.

No. 905,587. Specification of Letters Patent. Patented Dec. 1, 1908.

Application filed October 7, 1907. Serial No. 396,311.

To all whom it may concern:

Be it known that I, IPSELANTI O. ROOT, a citizen of the United States, residing at Knowlesville, in the county of Orleans and State of New York, have invented a new and useful Metallic Hoop, of which the following is a specification.

This invention relates to metallic hoops such as used in the construction of barrels, kegs, and tubs, etc.

The object of the invention is to provide simple and efficient means for positively securing the ends of a hoop together without the necessity of welding them or connecting them by rivets or other devices necessitating the perforation of the hoop.

Another object is to provide connecting means of this character which is simple, durable, and efficient, can be readily applied, is compact, and does not detract from the appearance of the hoop.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claim.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a longitudinal section through the end portions of a hoop, the fastening means being shown in section in engagement therewith. Fig. 2 is a section on line *y—y*, Fig. 1. Fig. 3 is a view showing in detail the end portions of the hoop and the fastener used in connection therewith, all of said parts being disconnected.

Referring to the figures by characters of reference, 1 designates a hoop formed of a metal band or strap one end of which is folded back onto the inner face of the hoop as indicated at 2 while the upper end 3 is folded back onto the outer face of the hoop. Before these ends are folded, however, and while they are lapping, a metallic clip such as indicated at 4 is placed transversely upon one of the hoop ends and its end portions 5 are folded over the edges of the other end of the hoop as clearly shown in Fig. 2, after which the ends 2 and 3 are folded down thereon so as to constitute hooks which engage opposite edge portions of the clip as clearly indicated in Fig. 1.

It will be seen that by assembling the parts in the manner described the ends of the hoop can be securely fastened together and prevented from pulling apart and it is unnecessary to perforate the hoop for the reception of rivets or the like. Moreover, as the fastening means are all formed of metal strips it is obvious that the same can be mashed together or flattened so as to occupy a very small area.

In order that the hoop may be prevented from contracting or becoming reduced in size after being placed in engagement with the clip the terminals of the hooks 2 and 3 are folded inwardly so that they extend between the clip and the hoop as indicated at 6. Each hook therefore laps both edges of the clip and as a result said clip constitutes an efficient tie for holding the hoop against independent movement in both directions.

What is claimed is:

The combination with a metal strip having its end portions folded inwardly and lapping to constitute a loop or clip; of a hoop having its end portions extending in opposite directions through the loop, those portions of the hoop within the loop being in contact, the terminals of the hoop being bent in opposite directions respectively and onto opposite faces of the loop, and terminating in inturned portions projecting into the loop at opposite sides thereof, each of said inturned portions terminating between one inner face of the loop and the hoop at a point between the edges of the loop.

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

IPSELANTI O. ROOT.

Witnesses:

GEORGE A. NEWELL,

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