(No Model.) 2 Sheets—Sheet 1.

J. O'NEILL.

FASTENING FOR HOOPS.

No. 344,749. Patented June 29, 1886.

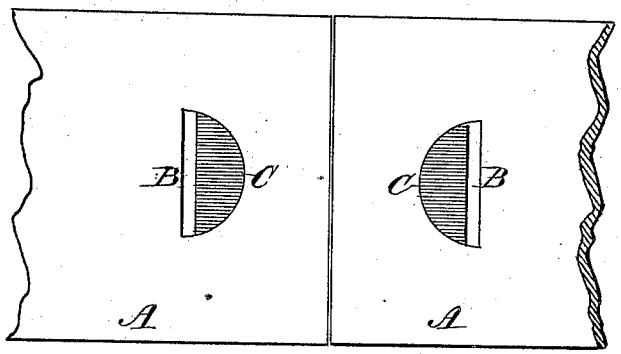

Fig. 1

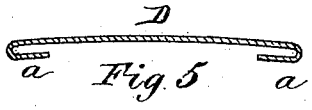

Fig. 5

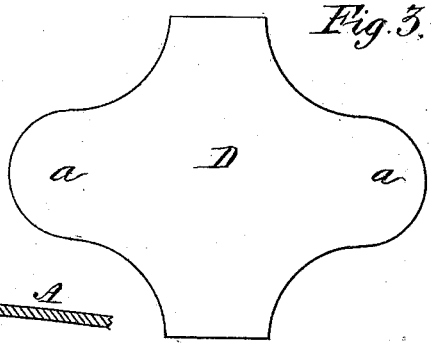

Fig. 3.

Fig. 2

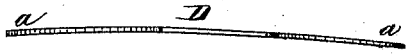

Fig. 4.

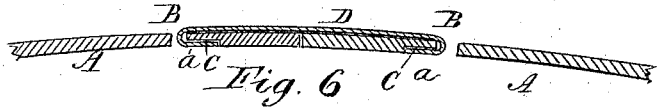

Fig. 6

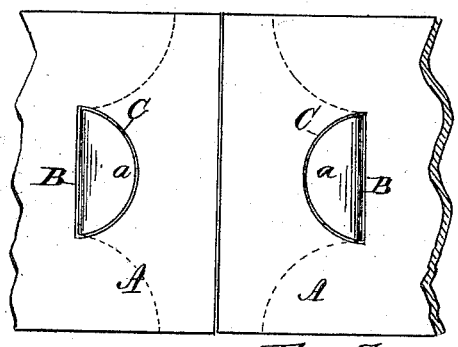

Fig. 7

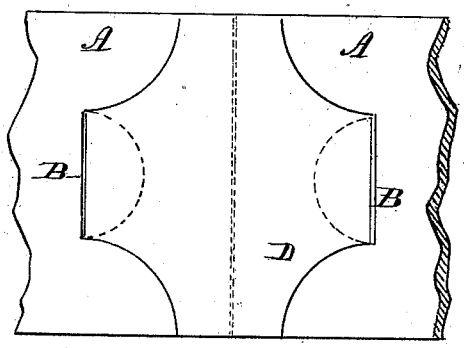

Fig. 8.

Witnesses.

James F. Barnard

A. E. Jones

Inventor

John O'Neill

By W. Bruce

(No Model.)

2 Sheets—Sheet 2.

J. O'NEILL.

FASTENING FOR HOOPS.

No. 344,749. Patented June 29, 1886.

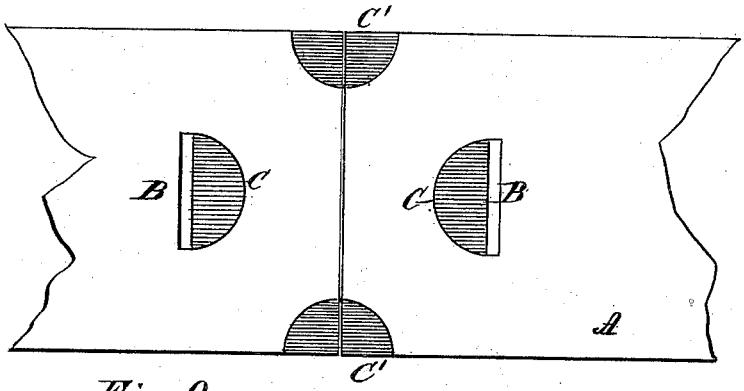

Fig. 9

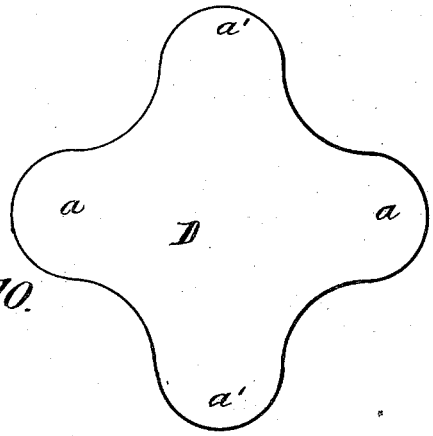

Fig. 10.

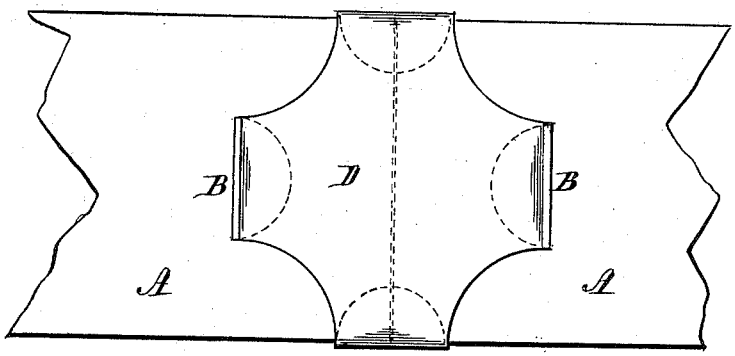

Fig. 11.

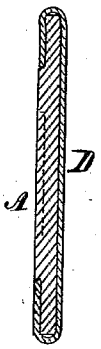

Fig. 12.

Witnesses.
B. L. Bruce
Bon Ieull

Inventor
John O'Neill
By W. Bruce
Atty

UNITED STATES PATENT OFFICE.

JOHN O'NEILL, OF HAMILTON, ONTARIO, CANADA, ASSIGNOR TO THE BURN & ROBINSON MANUFACTURING COMPANY, (LIMITED,) OF SAME PLACE.

FASTENING FOR HOOPS.

SPECIFICATION forming part of Letters Patent No. 344,749, dated June 29, 1886.

Application filed March 1, 1886. Serial No. 193,670. (No model.)

To all whom it may concern:

Be it known that I, JOHN O'NEILL, of Hamilton, in the county of Wentworth, in the Province of Ontario, in the Dominion of Canada, tinner, have invented a new and useful Lock or Fastening for Milk-Can Hoops; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

The invention relates to a very simple, but durable and much-desired, device for locking or fastening the ends of milk-can hoops, which will obviate all the disadvantages attending milk-can hoops as at present constructed.

The invention consists in the novel construction and combination of parts, hereinafter fully described, and then specifically pointed out in the claims.

By reference to the drawings, forming part of this specification, it will be seen that Figure 1 represents an inside elevation of two ends of a milk-can hoop. Fig. 2 is a longitudinal section of the same. Fig. 3 is a plan view of the lock-plate as first formed. Fig. 4 is an edge view of the same. Fig. 5 is an edge view in section, showing the ends bent inward. Fig. 6 is a longitudinal section of the hoop and lock-plate connected. Fig. 7 is an inside view of the ends of the hoop and lock-plate. Fig. 8 is an outside view of same. Fig. 9 represents two ends of a milk-can hoop, showing recesses at sides and top and bottom. Fig. 10 represents a plan of lock-plate, showing wings at top and bottom. Fig. 11 is a front view of lock-plate, showing by dotted lines the wings bent behind the hoop. Fig. 12 is a vertical section of the same.

A A represent the ends of a milk-can hoop, drawn together so that they touch.

B B are vertical slots cut through each end of a hoop, respectively.

C C are recesses formed in the hoop, one on each side of the said vertical slots B.

C′ C′ are top and bottom recesses in the corners of the ends of the hoop.

D is the lock-plate, formed of sheet metal, and provided with side wings, *a a*, and top and bottom wings, *a′ a′*. This lock-plate is shaped as shown at Figs. 3 and 10; but I do not confine myself particularly to these forms, as its shape could be easily modified.

In locking the hoop the ends A A are brought together, the wings *a a* of the lock-plate D are bent at right angles to the said plate and inserted in the slots B B until the body of the plate rests firmly on the side ends of the hoop. The wings are then bent back into the recesses C C and firmly clinched therein, as shown at Figs. 6 and 7, and the top and bottom wings, *a′ a′*, are bent around the hoop into the recesses C′ C′, as shown. It will be seen that the ends of the wings are countersunk in the recesses C C C′ C′, respectively, while the outside of the lock-plate is shown at Fig. 8.

It will be observed that by my invention the two ends of the hoops are held firmly together in such a manner as to make a simple, strong, and durable joint, not liable to the objections common to many fastenings heretofore used.

Having thus described my device and its advantages, what I claim as my invention is—

1. The combination, with a milk-can hoop having slots B and adjacent recesses C C, of the lock-plate D, provided with side wings, *a a*, engaging said slots and recesses, substantially as described.

2. The combination, with a milk-can hoop having slots B and recesses C C′, of the lock-plate D, provided with side wings, *a a*, and top and bottom wings, *a′ a′*, substantially as described.

3. The combination, with a milk-can hoop having transverse slots near its ends and provided on the inner side with recesses or depressions, of a lock-plate having wings engaging said slots and recesses and clinched on the inner side of the hoop, substantially as described.

Dated at Hamilton, Ontario, this 16th day of October, A. D. 1885.

JOHN O'NEILL.

In presence of—

J. POTTER,

WM. BRUCE.