

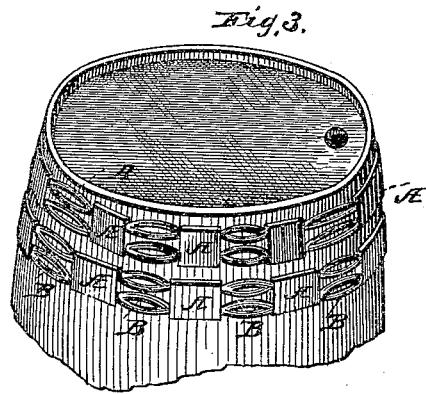
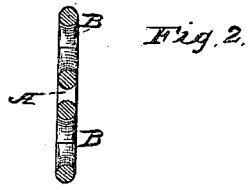
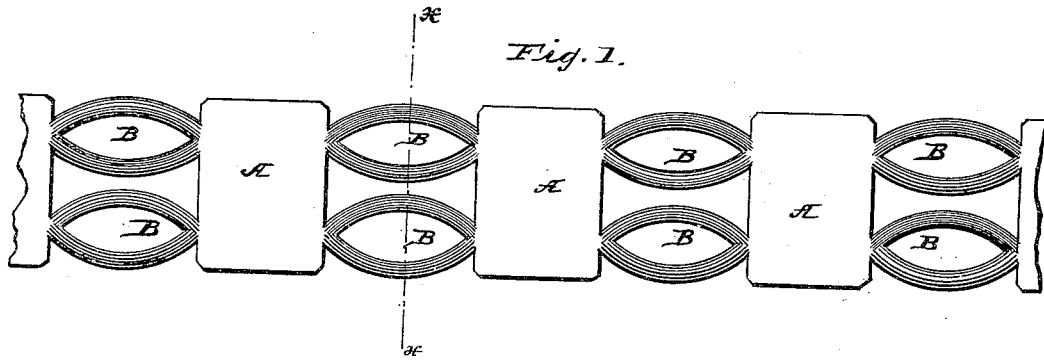
(No Model.)

P. ENGLAND.

HOOP.

No. 265,224.

Patented Sept. 26, 1882.



WITNESSES:

Wm. L. Dieterich
Jno W. Stockett.

Paren England
INVENTOR,
by Louis Baggett
ATTORNEYS.

UNITED STATES PATENT OFFICE.

PAREN ENGLAND, OF SILVER CLIFF, COLORADO, ASSIGNOR TO L. W.
ENGLAND, OF SAME PLACE.

HOOP.

SPECIFICATION forming part of Letters Patent No. 265,224, dated September 26, 1882.

Application filed August 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, PAREN ENGLAND, of Silver Cliff, in the county of Custer and State of Colorado, have invented certain new and useful Improvements in Hoops; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of one of my improved hoops. Fig. 2 is a cross-section of the same through line *x x* in Fig. 1, and Fig. 3 is a perspective view of a barrel to which my improved hoops have been applied.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to metallic hoops for barrels, tubs, and coopering generally; and it consists in the construction of an expansible hoop, or a hoop which will expand or contract as the vessel swells or shrinks in such a manner as always to keep it perfectly tight. This hoop, which may be made of steel, hard-rolled iron, or any other suitable metal, consists of square or rectangular sections A, which are

connected so as to form a continuous strap by oblong links B, two or more links connecting a pair of square sections, A; or, in other words, the links alternate with the square sections. These links are made round or oval in cross-section, as will be seen by reference to Fig. 2, and in selecting or preparing the metal for the hoops care should be taken that it has sufficient spring or elasticity to permit the links or open-work parts B to give or yield when the vessel expands, and again contract when it shrinks, the expansion and contraction being effected automatically by the peculiar construction of the hoop.

I claim and desire to secure by Letters Patent of the United States—

The expansible metallic hoop herein shown and described, the same consisting of solid sections A, alternating with open sections composed of yielding and contracting links B B, made in one piece, substantially as set forth.

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

PAREN ENGLAND.

Witnesses:

JOHN H. SUTTON;
JOHN H. HARPER.