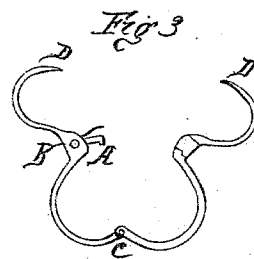
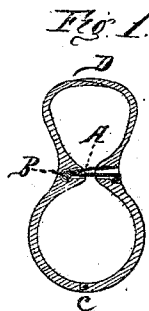
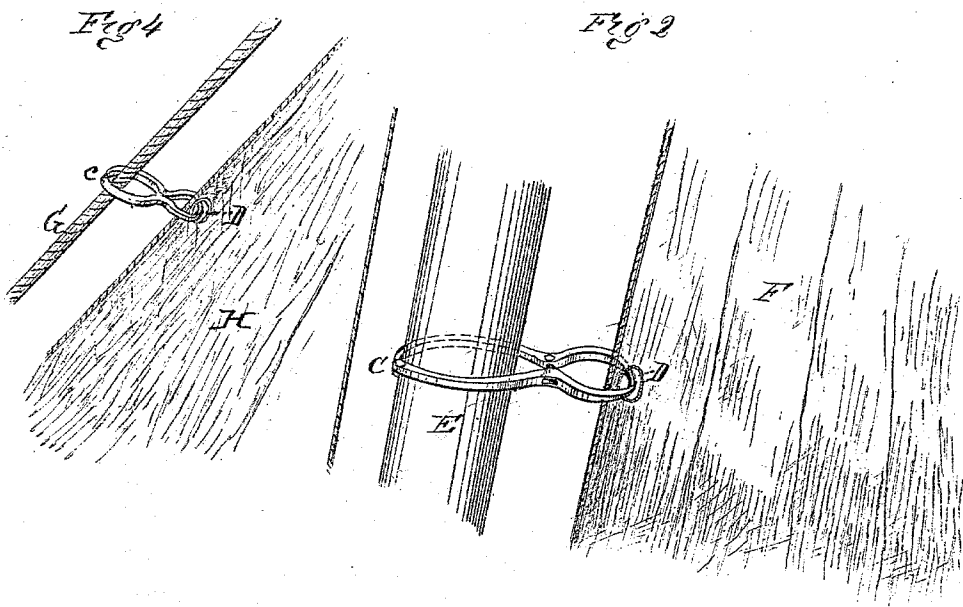


DAVID CROWELL, Jr.

Improvement in Hanks for Sails.

No. 115,712.

Patented June 6, 1871.



Witnesses.
James Adams
H. W. Howard

Inventor.
David Crowell Jr.

UNITED STATES PATENT OFFICE.

DAVID CROWELL, JR., OF YARMOUTH PORT, MASSACHUSETTS.

IMPROVEMENT IN HANKS FOR SAILS.

Specification forming part of Letters Patent No. 115,712, dated June 6, 1871.

To all whom it may concern:

Be it known that I, DAVID CROWELL, Jr., of Yarmouth Port, in the county of Barnstable and State of Massachusetts, have invented an Improved Hank or Mast-Hoop; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a longitudinal section, showing the hank closed. Fig. 2 is a similar section showing it open. Fig. 3 is a perspective view, representing the device attached to a mast and sail; and Fig. 4 is a similar view, representing it as used in connection with a stay instead of a mast.

Similar letters of reference indicate corresponding parts.

This invention relates to that class of hanks or mast-hoops in which said articles are made in two or more parts, hinged or otherwise connected together, and capable of opening so as to be placed around the mast or stay, and through the eyelet-holes, and then of being closed and fastened to hold the sail; and it consists in an improved construction of said hoops or hanks, whereby the operation of opening and closing them is facilitated, and a more effective and convenient device is produced at less cost than heretofore.

In the drawing, D D represent the two jaws

of the hank or hoop, articulated together at C, and having their ends beveled, and when closed overlapping each other. The parts D D are bent toward each other so as to meet at the center, thus forming two loops, one of which incloses the mast or stay and the other the bolt-rope of the sail. At the point where the said parts D D thus come together at the center of the device a mortise-and-shoulder, J, is formed on one side, and a snap-catch, A, operated by a spring, B, is attached to the other side, so as to enter the mortise, snap over the shoulder, and hold the two sides of the hoop firmly locked together when closed. To open them it, of course, is only necessary to release the catch from the shoulder of the mortise and separate the loose ends of the jaws D D.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

The hank or mast-hoop herein described, consisting of the jaws D D, hinged at C, and bent in the form described, in combination with the spring-catch A B and the mortise-and-shoulder J, substantially as and for the purpose specified.

DAVID CROWELL, JR.

Witnesses:

NATHAN K. ELLSWORTH,
JEROME AMOS.