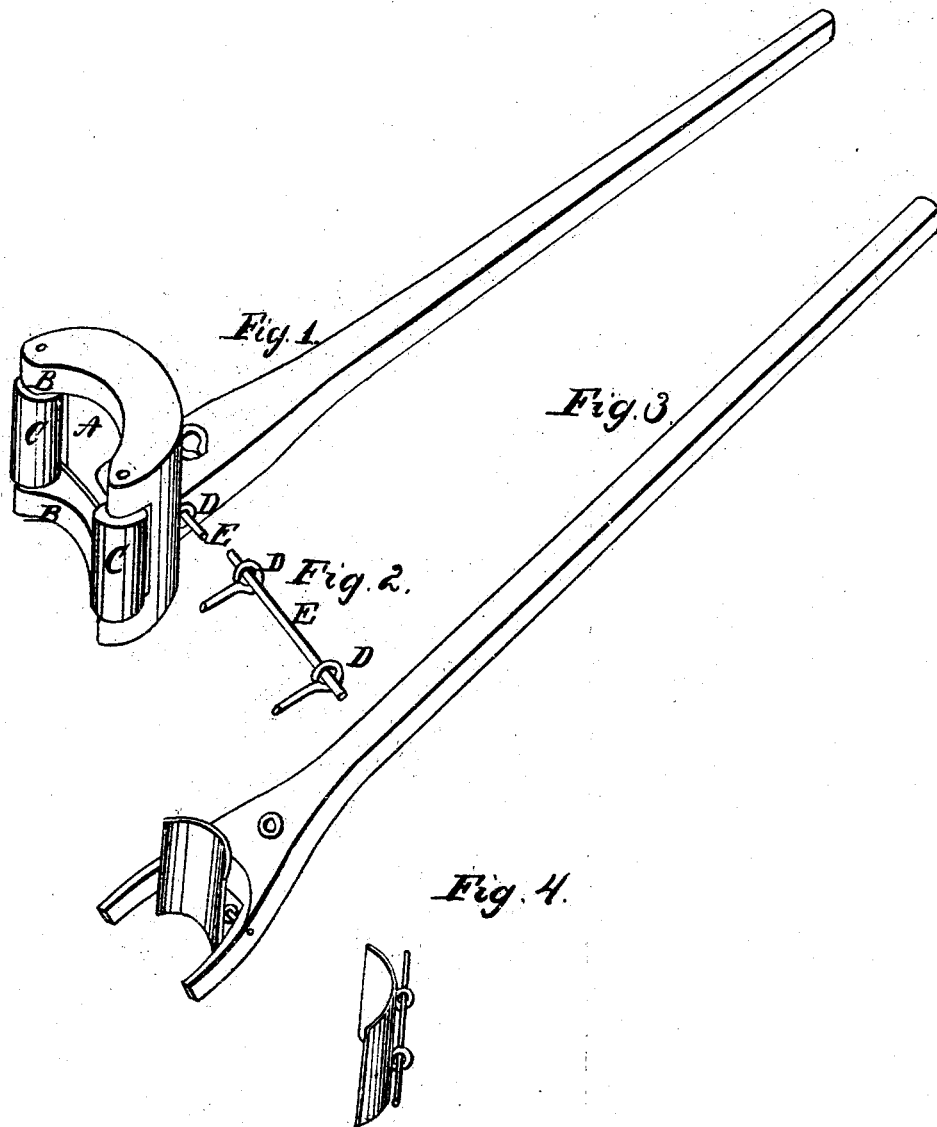


*J. Brown.*  
*Gaff for Sail Vessel.*  
*N<sup>o</sup> 1,060.*      *Patented Dec. 31, 1838.*



# UNITED STATES PATENT OFFICE.

JOHN BROWN, OF STONINGTON, CONNECTICUT.

MODE OF CONSTRUCTING GAFTS OF SAIL VESSELS.

Specification of Letters Patent No. 1,060, dated December 31, 1838.

*To all whom it may concern:*

Be it known that I, JOHN BROWN, of Stonington, in the county of New London and State of Connecticut, have invented a new and Improved Mode of Constructing Gafts of Sail Vessels; and I do hereby declare that the following is a full and exact description thereof, reference being had to the annexed drawings, making part of this specification.

The nature of my invention consists in providing a semi-cylindrical saddle, to be affixed in the swallowtail of the ordinary gaft of sail vessels as hereinafter mentioned and which in its use, both strengthening the mast and prevents the same from being chafed and worn by the swallowtail of the gaft and which in the present and ordinary use of the gaft is generally the case.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct the said semi-cylindrical saddle A Figure 1 of wood, or metal, or part of each; its length may be equal to the diameter of the mast, to be concave and embrace about one third of the circumference of the mast; the other side, or back, to be convex, and (if made of wood,) to be about two inches in substance. The concave part of said slide, should it be made of wood, may

be lined with leather, or any metallic substance, or said slide may be constructed with a metal flange B at each end to receive one, or more rollers C lengthwise of its concavity, the journals of which to work in the flanges aforesaid, and to be capable of revolving easily when the gaft travels on the mast. The said saddle may be made wholly of metal with leather lining, or rollers at the option of the builder. Said saddle, on its convex side should have two, or more hinges or bolts and eyes D, Figs. 1 and 2, securely fastened to it, near the middle of its length, by which to secure it to the swallowtail of the gaft; if eye bolts are used, there should be a bolt E passing through the jaws of the swallowtail, and through the eye bolts of the saddle, in such a manner that the gaft in its movements upward, or downward, shall not disturb the perpendicular position of the saddle.

What I claim as my invention, and desire to secure by Letters Patent is—

The application of a saddle in the swallowtail of the gaft of said vessels,—constructed and operated in the manner set forth.

JOHN BROWN.

Witnesses:

W. H. VAN DALSEM,  
P. WILCOX.