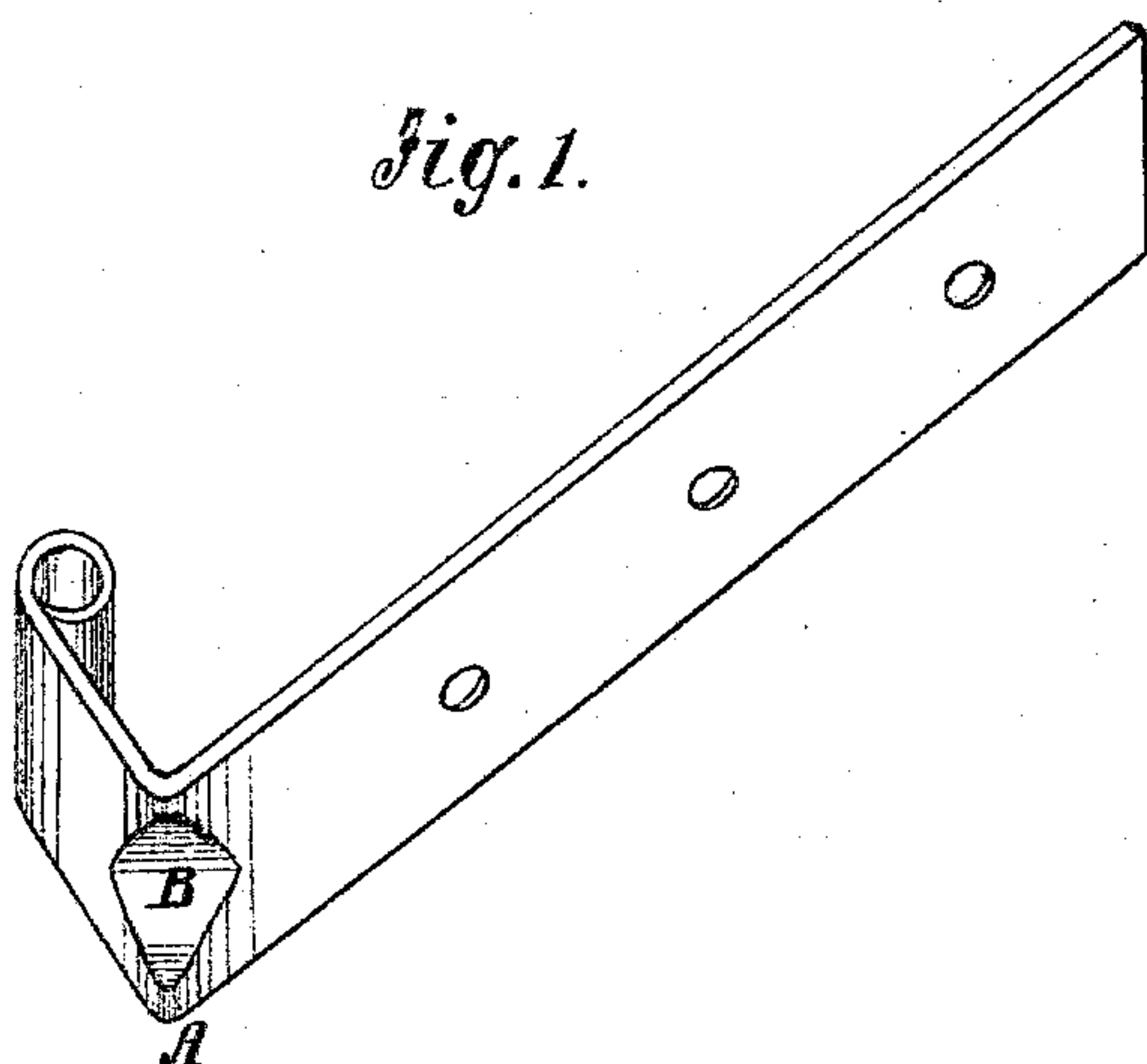


CHARLES F. HAWLEY.

Improvement in Angular Strap-Hinges.

No. 115,851.

Patented June 13, 1871.



Witnesses:

A Bennekerdorf  
Wm H. C. Smith,

Inventor:

C. F. Hawley.

PER

*Wm H. C. Smith*  
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# UNITED STATES PATENT OFFICE.

CHARLES F. HAWLEY, OF KANSAS CITY, MISSOURI.

## IMPROVEMENT IN ANGULAR STRAP-HINGES.

Specification forming part of Letters Patent No. 115,851, dated June 13, 1871.

*To all whom it may concern:*

Be it known that I, CHARLES F. HAWLEY, of Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Improvement in Angular Strap-Hinges, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention relates to a new way of applying a support to the vertex of an angular hinge-strap, where the sharp turn is apt to strain the fibers of the metal and allow it to be readily fractured. The improvement consists in striking up the metal inwardly where the angle is to be formed.

In the accompanying drawing, Figure 1 represents a perspective view of a hinge, designed for a window-shutter, constructed according to my invention.

Similar letters of reference indicate corresponding parts.

A represents the angle, and B the brace or corrugation in the angle. The improvement simply consists in forcing inward a portion of the outward corner or projecting angle A so

as to form a brace or truss on the inner angle.

There may be two or more corrugations, if desired; but for ordinary strap hinges or brackets one is usually found sufficient to give the bend or angle the required degree of strength.

This improvement applies exclusively to wrought-iron hinges.

As such wrought-iron work is now constructed (angular hinges in particular) the angle has to be strengthened by additional thickness and weight of iron, involving a good deal of labor in drawing the iron and properly proportioning the parts to insure the required strength.

By my mode the strap-hinge may be made of ordinary band-iron, in the most inexpensive manner, and still be of superior strength and durability.

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

An angular strap-hinge, having the inward corrugation B at the vertex thereof as a truss to the angle.

CHARLES F. HAWLEY.

Witnesses:

W. H. SUTTON,  
WM. P. WOODS.