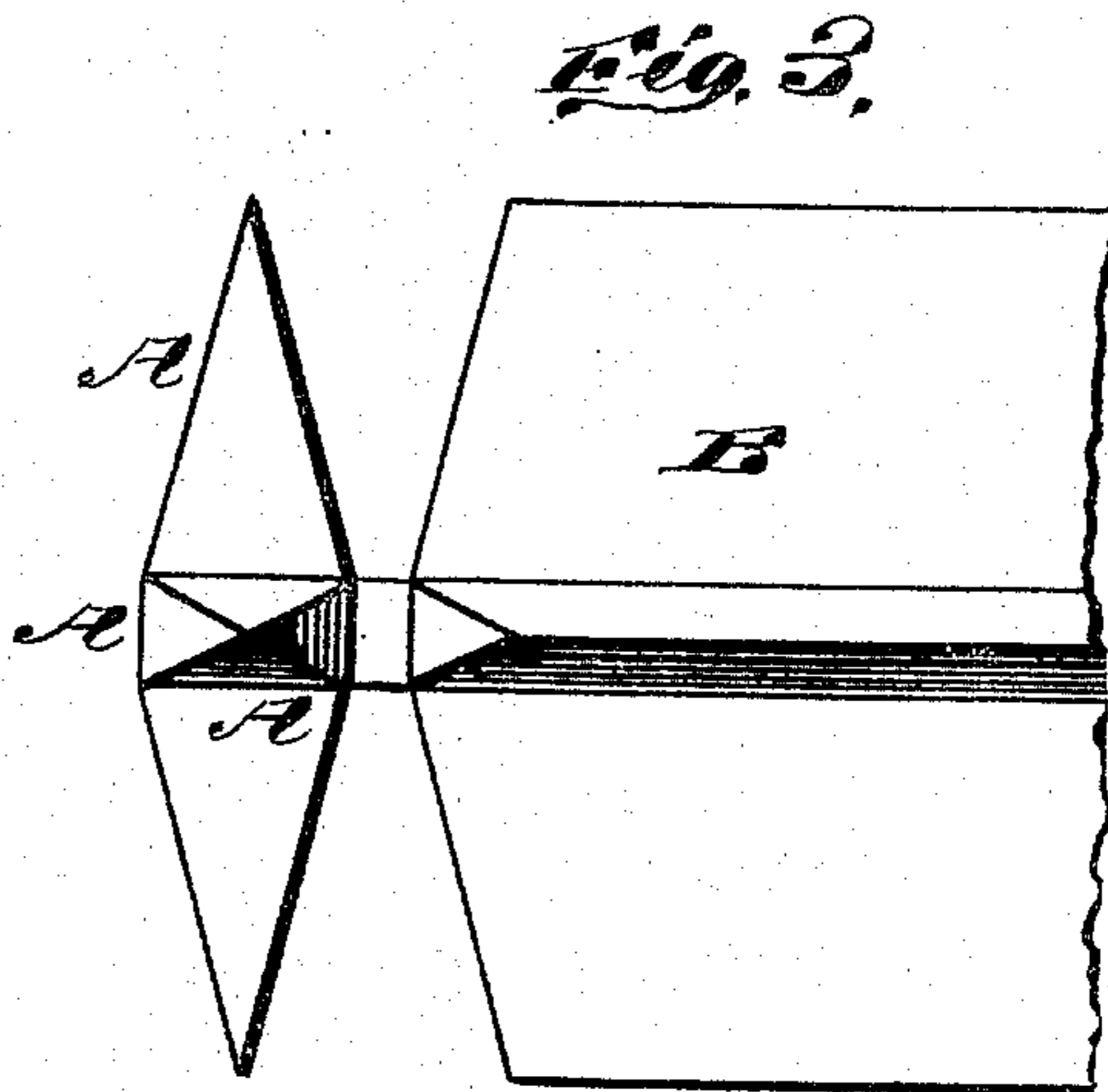
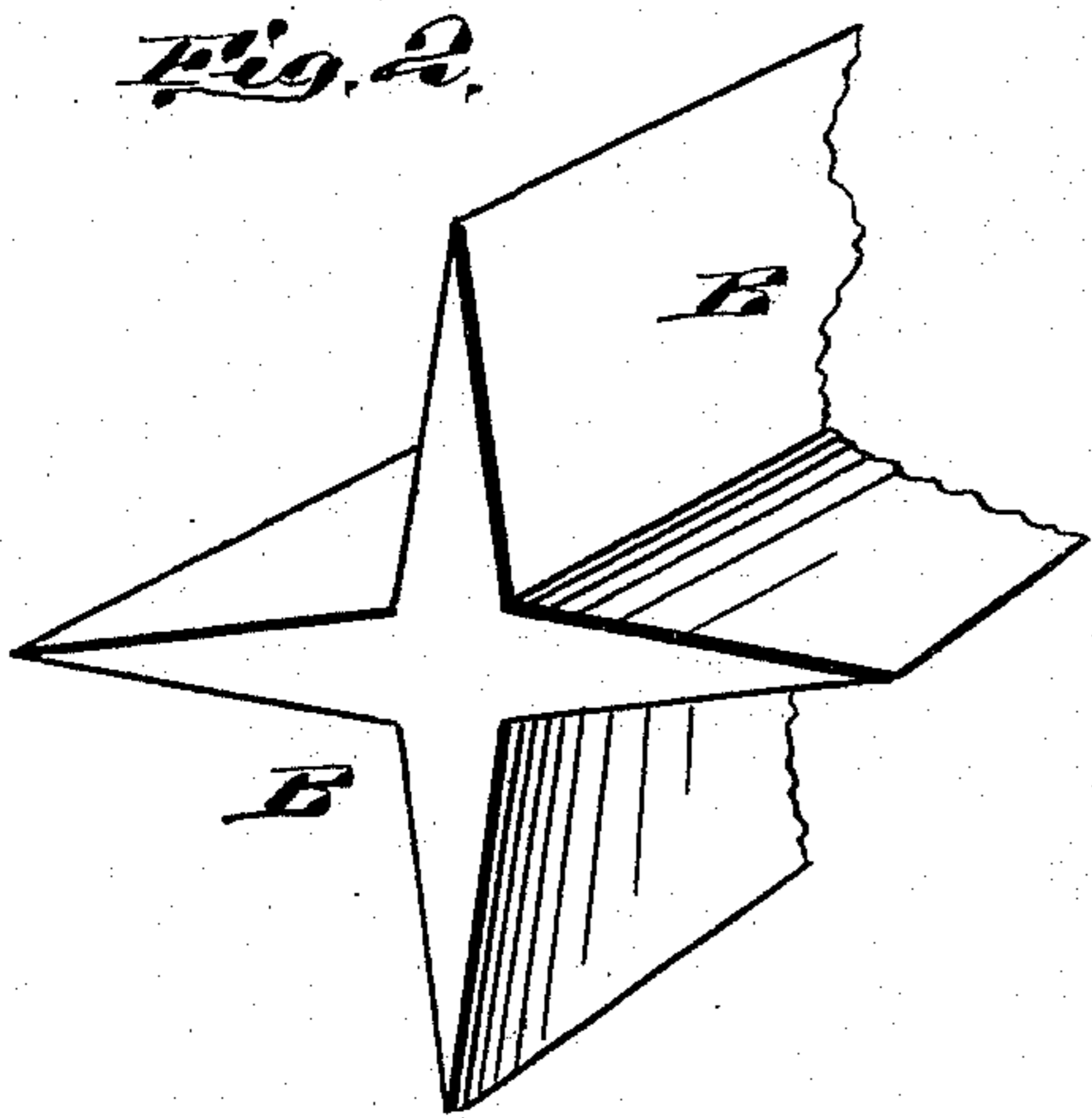
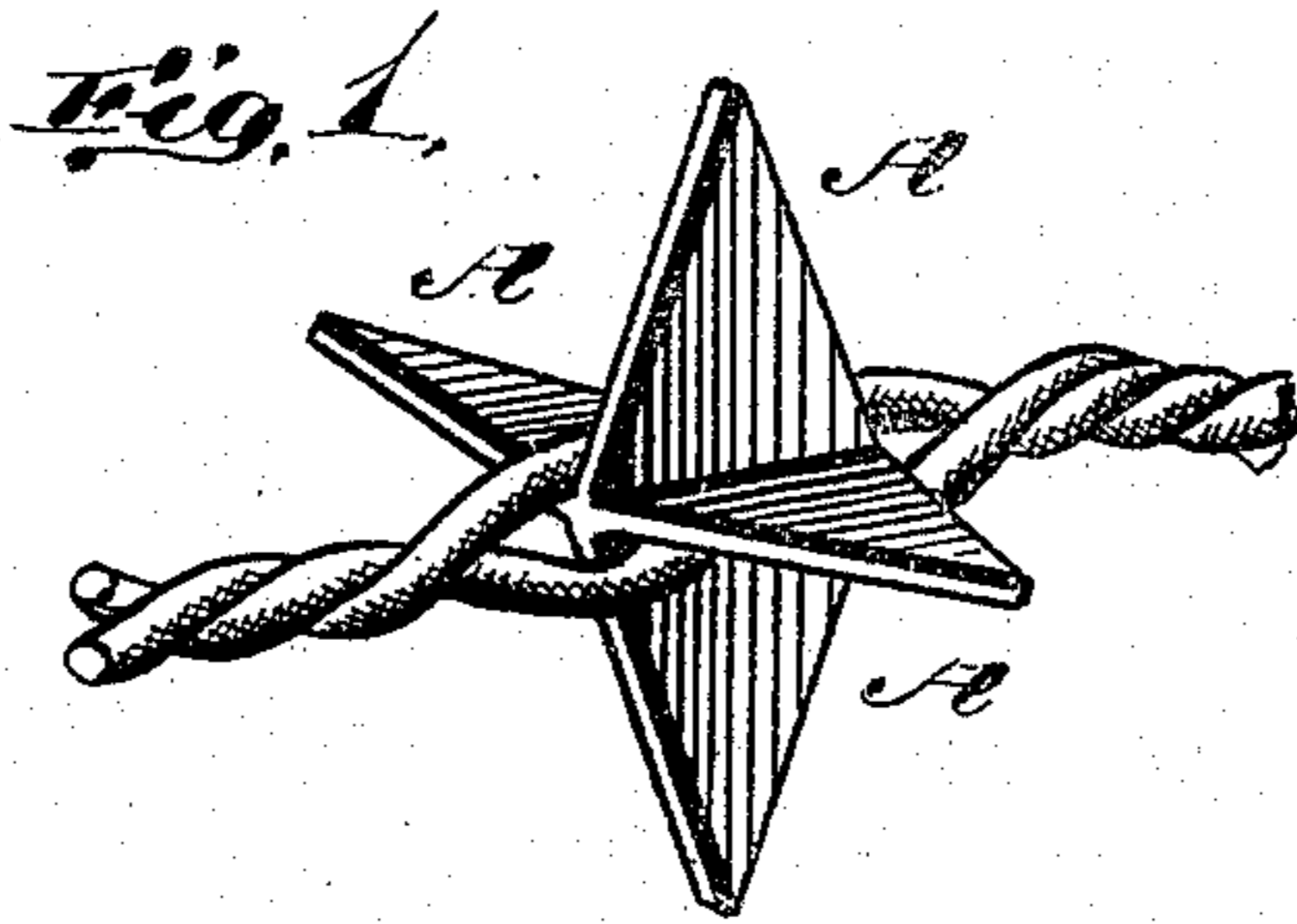


W. T. BURROWS.  
BARBS FOR FENCE-WIRES.

No. 194,647.

Patented Aug. 28, 1877.



WITNESSES  
*E. H. Bates*  
*George C. Upham*

INVENTOR.  
*William T. Burrows*  
*Gilmore, Smith & Co.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILLIAM T. BURROWS, OF NASHUA, IOWA, ASSIGNOR TO HOPKINS  
& BURROWS.

## IMPROVEMENT IN BARBS FOR FENCE-WIRES.

Specification forming part of Letters Patent No. **194,647**, dated August 28, 1877; application filed  
July 28, 1877.

*To all whom it may concern:*

Be it known that I, WILLIAM T. BURROWS, of Nashua, in the county of Chickasaw and State of Iowa, have invented a new and valuable Improvement in Barbed Fences; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my barb. Fig. 2 is a perspective view of the bar of metal from which the barbs are made. Fig. 3 is a side view thereof.

The nature of my invention consists in a solid-metal barb, having four points equidistant from each other without bending, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

The four-pointed barbs A A are cut from "star-metal," or a bar of metal, B, rolled in such a manner that any section presented endwise will have the appearance of a four-pointed star. The leaves of this metal bar need not necessarily be equal. Two of them may be rolled tighter than the others.

The barbs are to be cut from this bar by running the iron through a suitable cutting-machine twice, cutting the first time a V out of two opposite leaves, and the second time arranging the dies so as to cut the Vs apart at the center, and thus make a complete separation of the barbs.

Each barb is thus formed of a solid piece of metal with four points, and it is to be placed between two wires, which are to be twisted or wrapped around it in such a manner as to hold it firmly in place.

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

1. A solid-metal barb having four points, and cut from a metal bar rolled in star form, substantially as herein set forth.

2. A four-pointed metal barb cut in a single piece from a rolled-metal bar, substantially as herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM T. BURROWS.

Witnesses:

H. H. HOPKINS,  
HENRY MITCHELL.