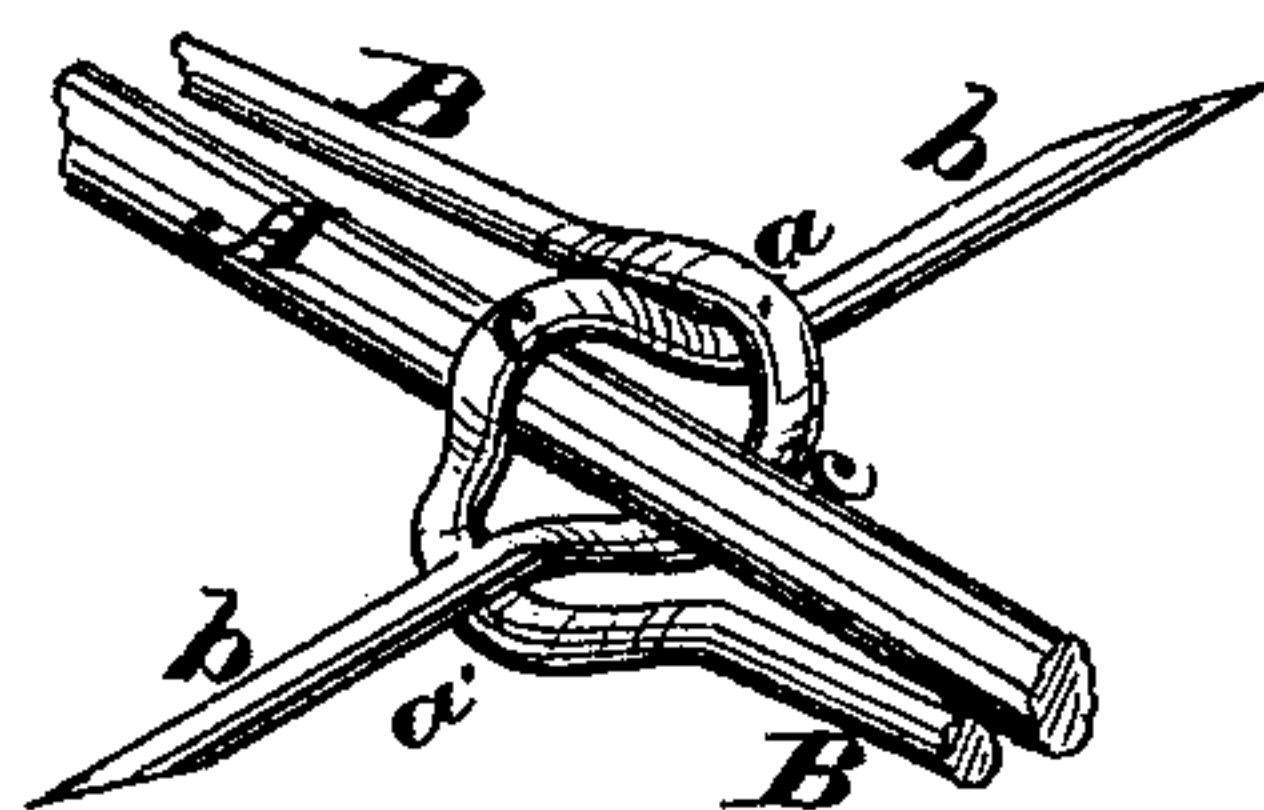
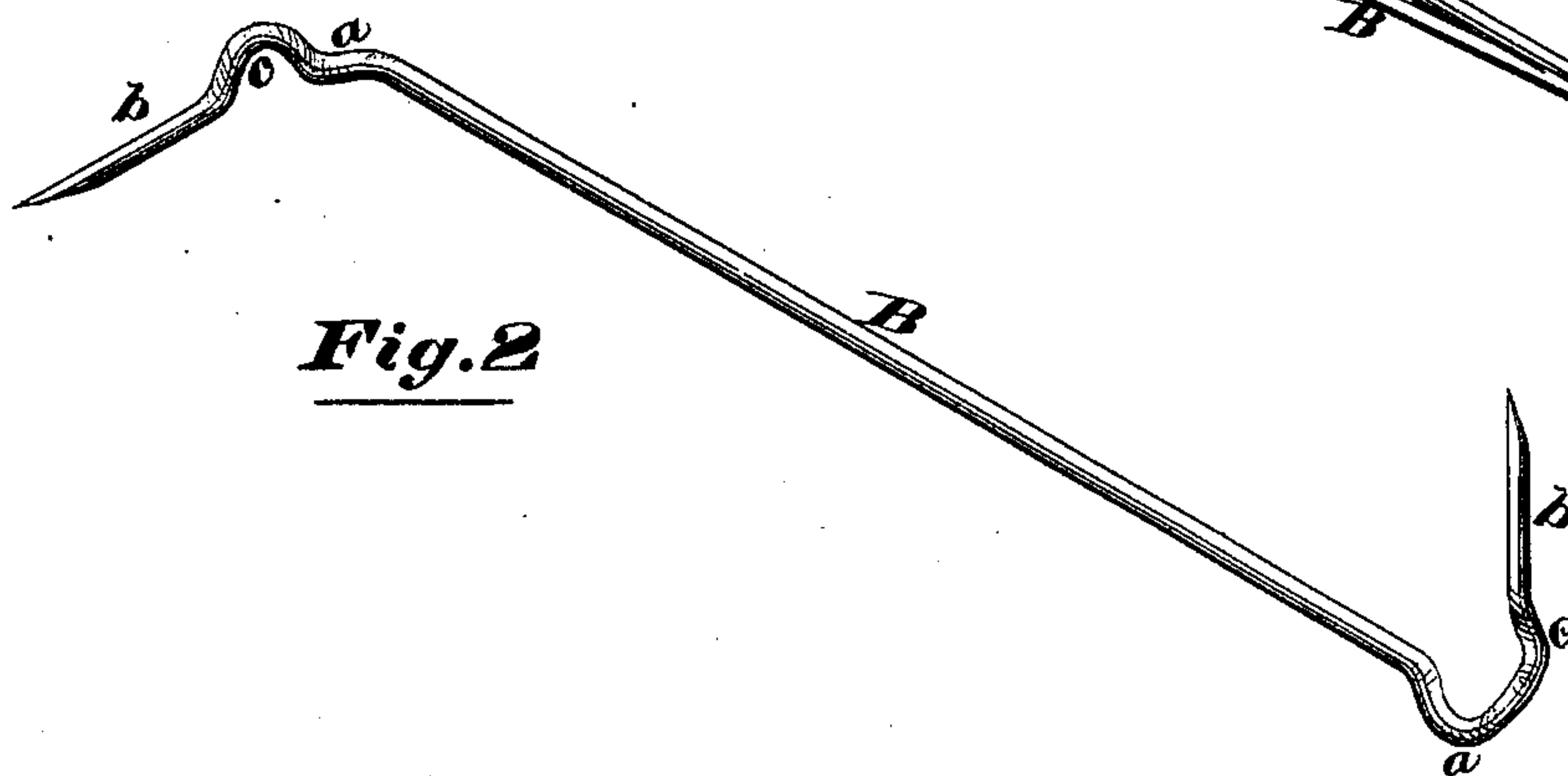
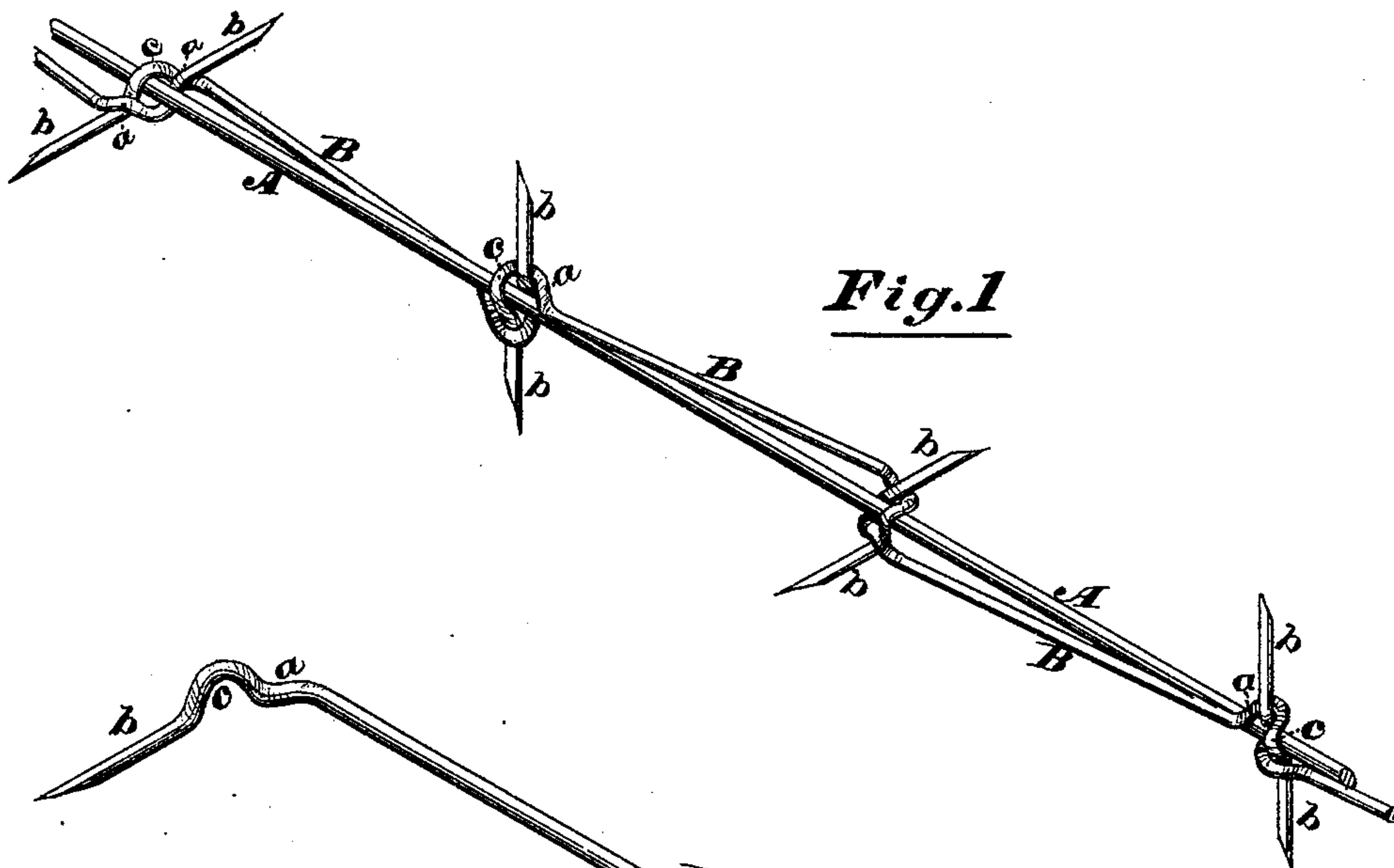


P. P. HILL.
BARBED FENCE WIRE.

No. 182,928.

Patented Oct. 3, 1876.



Attest

W. S. Baker
L. M. Harris

Inventor

Peter P. Hill

By Coburn & Thacher

Attorneys

UNITED STATES PATENT OFFICE.

PETER P. HILL, OF ALTO, ILLINOIS.

IMPROVEMENT IN BARBED FENCE-WIRES.

Specification forming part of Letters Patent No. 182,928, dated October 3, 1876; application filed June 8, 1876.

To all whom it may concern:

Be it known that I, PETER P. HILL, of Alto, in the county of Lee and State of Illinois, have invented a new and useful Improvement in Barbed Fence - Wires, which is fully described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of the wire with the barbs applied; Fig. 2, a similar view of one of the independent barbed sections; and Fig. 3, a detailed view on an enlarged scale, showing the method of fastening the barbed sections to each other and to the fence-wire.

In barbed fence - wires, as heretofore constructed, the barbs have not been practically detachable from the wire, and, in fact, in most instances, have been permanently attached thereto.

My invention consists in applying to a plain fence - wire supplementary pieces of wire, which are provided with barbs, and bent in such manner that they are readily connected together in attaching them to the main wire, and, at the same time, may be detached from the main wire and disconnected from each other with great facility.

In the drawings, A represents a plain wire, such as is used in ordinary wire fences. To provide this wire with suitable barbs, short pieces, B, of a smaller wire, are cut so that the ends will be pointed. These ends are then bent up at right angles to the main body of the wire so as to stand in different planes, preferably at right angles to each other. These bent ends *b b* constitute the barbs of the fence-wire. The bend of the wire in forming the barbs is somewhat peculiar; in reality, two bends are made—the first one, *a*, being outward, so as to form a sort of hook or loop in the wire at the point where the barb stands off from the body, and the second one, *c*, being a simple bend in the barbed end or piece that

is bent up. These bent and pointed sections are applied to the main wire A by laying the latter in the bends *c* in the two ends of one of the sections. The next section is then attached by slipping one of the bent ends past the other side of the wire A into the bend *a* of the first section, the second section being held perpendicular to the main wire to accommodate this movement. The second section is then turned down over the barbed end of the first, and the two are securely locked together, and at the same time fastened to the main wire, as seen in the drawings. These barbed sections may be applied to fence-wires with great rapidity, and may be attached either before or after the wires are strung upon posts. The barbed sections are especially convenient for application to plain wire fences already in use. The barbed sections are detached from the main wire by reversing the operation described above for making the attachment. The sections are bent as described by machinery constructed for this purpose, may be manufactured with great rapidity, and at small expense.

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

1. In combination with a single fence-wire, A, the short sections of wire B, having pointed ends, which are linked together and interlocked upon said single wire, with their points projecting in different directions, for the purpose set forth.

2. The combination of the main central wire A and the detachable barbed wires B, having the bends *a* and *c* near their ends, and linked together, substantially as and for the purpose set forth.

PETER P. HILL.

Witnesses:

L. A. BUNTING,
W. S. BAKER.