

P. MILES.
Fence Barb and Staple.

No. 208,688.

Patented Oct. 8, 1878.

Fig. 1.

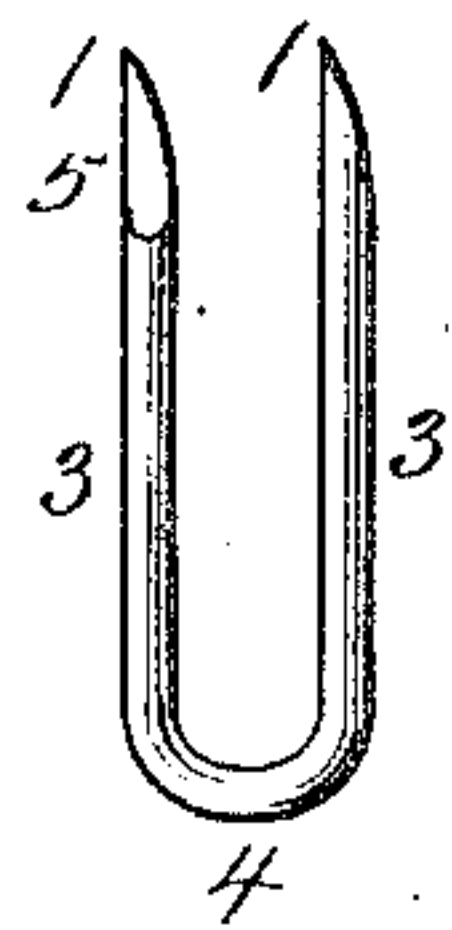


Fig. 2.

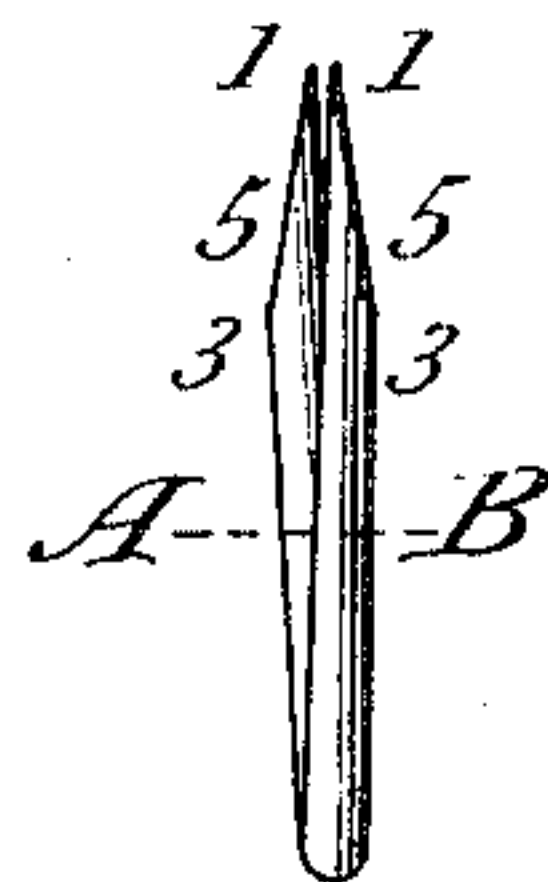


Fig. 3.



Fig. 4.

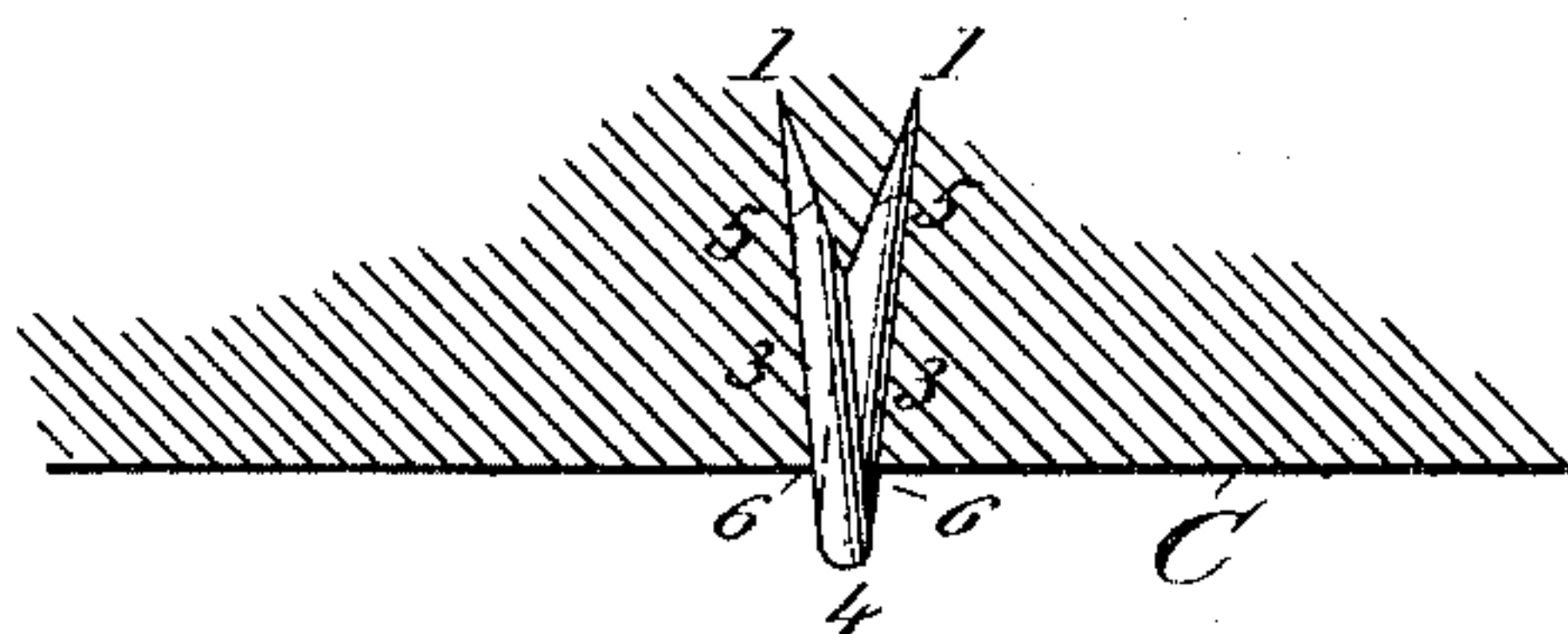
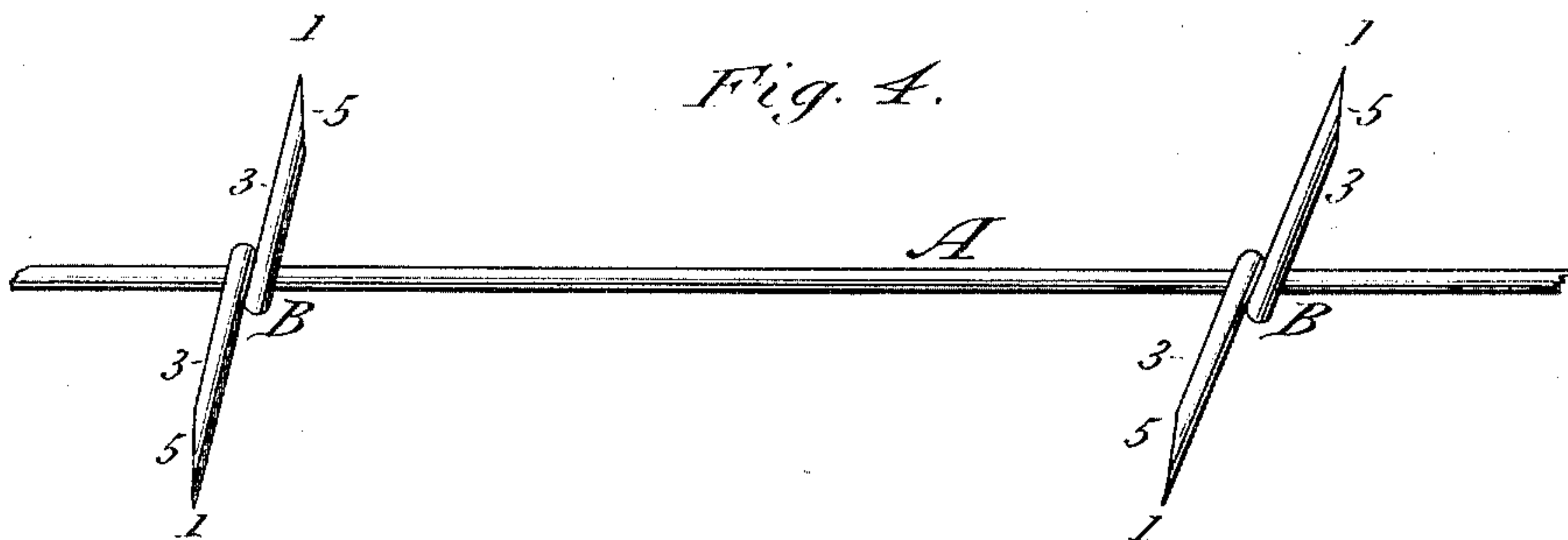


Fig. 5.

Attest:

William G. Wright
Frank W. Pooler

Inventor:

Purches Miles

UNITED STATES PATENT OFFICE.

PURCHES MILES, OF NEW YORK, N. Y., ASSIGNOR TO WASHBURN & MOEN
MANUFACTURING COMPANY, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN FENCE BARB AND STAPLE.

Specification forming part of Letters Patent No. **208,688**, dated October 8, 1878; application filed
June 19, 1876.

To all whom it may concern:

Be it known that I, PURCHES MILES, of the city, county, and State of New York, have invented an Improved Wire Staple; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a side view of my improved wire staple. Fig. 2 represents an edge view. Fig. 3 represents a cross-section on line A B, Fig. 2. Fig. 4 represents the article when applied to a wire to form a fence-barb, and Fig. 5 represents the same article when used as a fence-staple.

To enable those skilled in the art to which my invention belongs, to make and use the same, I will proceed to describe it more in detail.

Within a few years past practical tests have demonstrated the great importance and value of barbed fencing over the old mode of fencing with plain wire, and as there has been a great amount of plain wire used for many years past in fencing, it now becomes a question of great importance to farmers as to how this old plain wire fencing can be rendered of nearly as much utility and value as the new barbed fencing generally known as the "Glidden barbed fence-wire."

Many different kinds of barbs have been devised for the purpose of being applied to plain wire fencing; but they are all specially devised for barbs, and consequently a separate stock is required for such purpose, thereby necessitating additional expense and outlays on the part of the manufacturer, dealer, and user, and my present invention obviates such objections; and the nature of my invention consists in an improvement on the invention for which Letters Patent were granted to me June 14, 1870, No. 104,883, whereby an improved wire staple is produced, which is equally well adapted to be applied for use either as a fence-staple or wire-fence barb, as will be hereafter more fully explained.

In the drawings, Fig. 1 represents a double-pointed staple made of wire, cut off diagonally to form sharp penetrating points and bent up,

and the diagonally-cut points bent to stand not in the same line, as in my original invention, and as fully described in my said patent therefor; but the diagonally-cut points 1 1 are bent past and out of line with each other, as fully indicated in full and dotted lines, Fig. 2, and the bending of the legs 3 3 of the combined staple and fence-barb is illustrated in Fig. 3, which is a section on line A B, Fig. 2.

By this mode of construction, the farmer can place one of the staples shown in Figs. 1 and 2 upon a plain fence-wire, and, by means of a pair of pinchers constructed for such purpose, can compress the legs 3 of the staple toward each other, and as the points 1 1 are bent so as to stand past each other, the legs of the staple will pass by each other and be bent around the wire A, as shown at B, Fig. 4, leaving the beveled portions 5 opposite each other, while the straight sides are toward each other, as fully indicated in the same figure.

The coil B may be compressed very tightly upon the main wire, if desired.

As a fence-staple the article is much improved, since when it is driven into a post, C, as shown in Fig. 5, the beveled portions 5 of the staple cause the legs to move in the opposite direction from what they do when used as a barb, as shown in Fig. 4, thereby causing a locking action to take place from the point 6 inward to the points 1. Consequently my improved device, when used as a fence-staple, is less liable to be drawn out by any strain upon it than was the case with my former staple or double-pointed tack.

It will therefore be seen that by my present invention the manufacturer, dealer, and farmer have in reality combined in a single article a fence-barb and fence-staple or double-pointed tack, thereby obviating the necessity of manufacturing and keeping on hand two separate articles for such purpose.

It will be noticed that the base or loop 4 of the improved wire staple stands perpendicular, or nearly so, when driven into the post, the bends being formed in the legs 3 3, as indicated in Figs. 2 and 3 of the drawings, to enable the improved article of manufacture to be applied and used with convenience as a barb on plain wire fencing.

Having described my combined fence staple and barb, what I claim therein as new, and desire to secure by Letters Patent, is—

A wire-fence staple having diagonally-cut points 1 1, bent to stand apart or out of line with each other, the beveled portions 5 5 being opposite each other while the straight

sides are toward each other, as shown and described, the same forming an improved article of manufacture.

PURCHES MILES.

Witnesses:

WILLIAM G. T. WRIGHT,

FRANK W. POOLER.