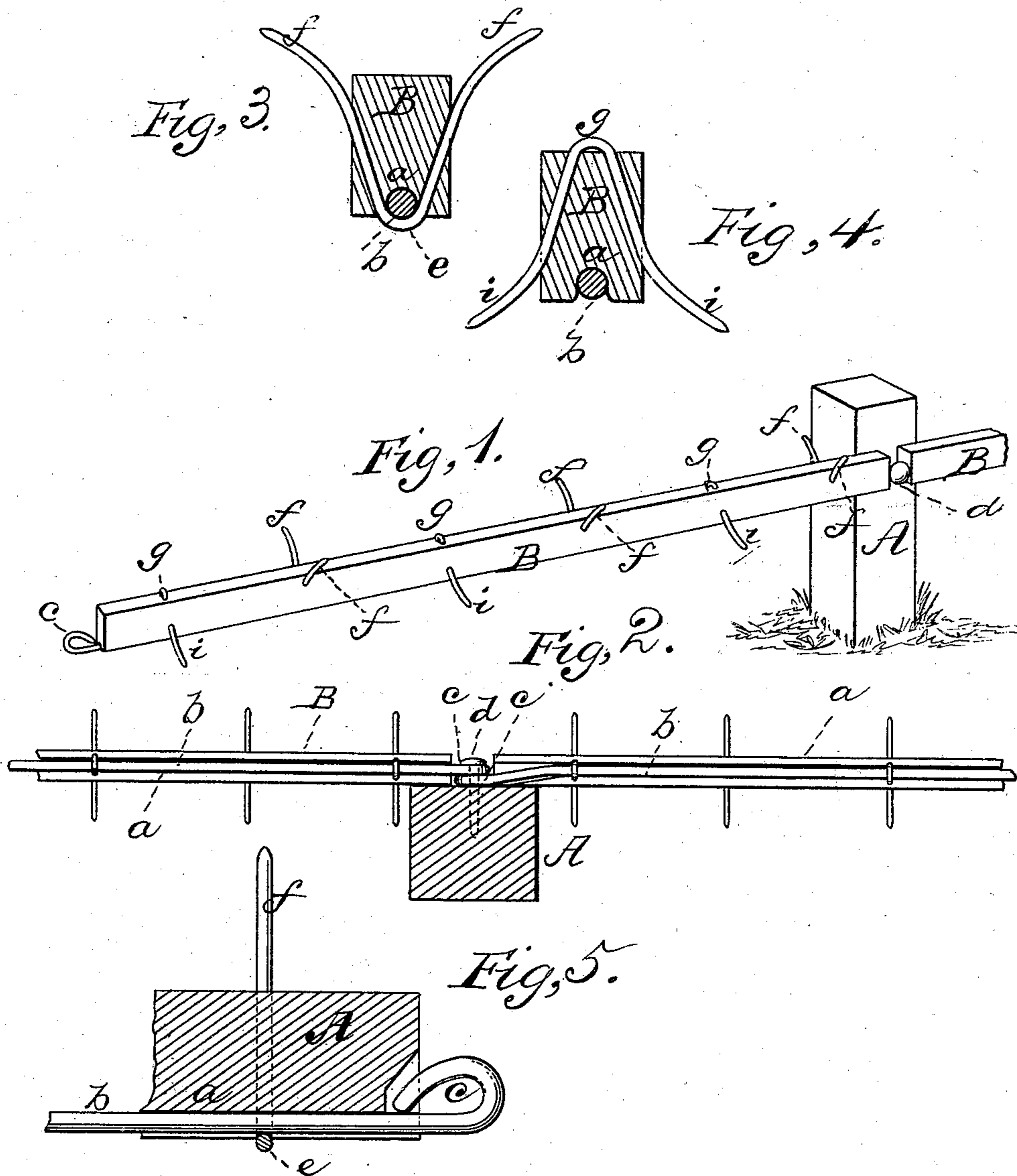


J. WALSH & J. DUTOL.
Barb-Fence.

No. 223,780.

Patented Jan. 20, 1880.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN WALSH AND JAMES DUTOT, OF NEWTON, IOWA.

BARB-FENCE.

SPECIFICATION forming part of Letters Patent No. 223,780, dated January 20, 1880.

Application filed June 21, 1879.

To all whom it may concern:

Be it known that we, JOHN WALSH and JAMES DUTOT, of Newton, in the county of Jasper and State of Iowa, have invented a new and valuable Improvement in Barb-Fences; and we 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 our improved barb-fence. Fig. 2 is a bottom view of the same with the post in section; and Figs. 3, 4, and 5 are detail sectional views.

This invention has relation to improvements in barbed fences; and the nature of the invention consists in combining with the posts or uprights, arranged at a suitable distance apart in the ground, longitudinal rails extending across the intervals between said posts, a metallic rod recessed in the under side of said rails and provided with an eye at each end, whereby they are secured to the posts, staples projecting through the sides of said rails from below, confining the rods to their recess, and forming, as extended through the sides of said rails, barbs projecting upward, and staples extending downward through the strips aforesaid and intermediate the downwardly-extended barbs, as hereinafter shown and described.

In the annexed drawings, the letters A A designate two posts arranged at from fifteen to twenty feet apart (more or less) in the ground, the interval between which is spanned, as required, by a wooden rail, B, usually square in cross-section, but, if desired, of rectangular or other form. In the under side of this rail, of which there may be one or more, according to the requirements of each particular case, as when large or small stock are to be excluded from or included in an inclosure, is formed a longitudinal groove, *a*, in which is recessed a wire, *b*, having at each end a projecting eye, *c*, that extends beyond the rail and is lapped by the eye of the adjoining rail, so that a single bolt, nail, or screw, *d*, will secure the lapping ends of the adjacent rods to the posts.

e indicates angular staples, formed of any desired size of wire, that are driven or forced

into the body of the rails, so that they will confine the wires *b* into the recesses of the rails and project sufficiently to form barbs or points *f* from the sides of said rails. These staples are either driven through the rails or are forced through holes previously bored from below in said rails.

The points *f* are at the usual or any desired distance apart, and project in an upward direction.

Intermediate the staples *e* are similar staples *g*, that are forced or otherwise inserted through the rails from above, and, being projected from above through the sides of the rails, form the downwardly-projecting points or barbs *i*. These staples being forced through the rails, and being of sufficient rigidity, will effectually prevent the rails of the panels from warping, and at the same time prevent fractious cattle from breaking into and out of an inclosure. They will at the same time, in conjunction with the wires *b*, effectually prevent sagging.

The advantage of this construction is, that the wooden rails will be visible under any ordinary circumstances to cattle, and that stock having once experienced their sting will carefully avoid them—a result that is not obtained in a barbed fence-wire.

We are well aware that a barb applied to a fence is not broadly new, and we consequently make no claim to such invention.

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

In a barbed fence, the combination, with the posts A, of the rails B, having longitudinal recess *a* in their under sides, the rod *b*, fitting snugly in said recesses, and provided at each end with an eye, *c*, extending beyond said rails, the spike, bolt, or screw *d*, the staples *e*, extending from below through the sides of said rails, confining the rod *b* in its recess and forming barbs *f*, and the staples *g*, intermediate with staples *e*, and extending from above downward through rails B, and forming barbs *i*, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

JOHN WALSH.
JAMES DUTOT.

Witnesses:

D. L. CLARK,
A. S. STUVER.