

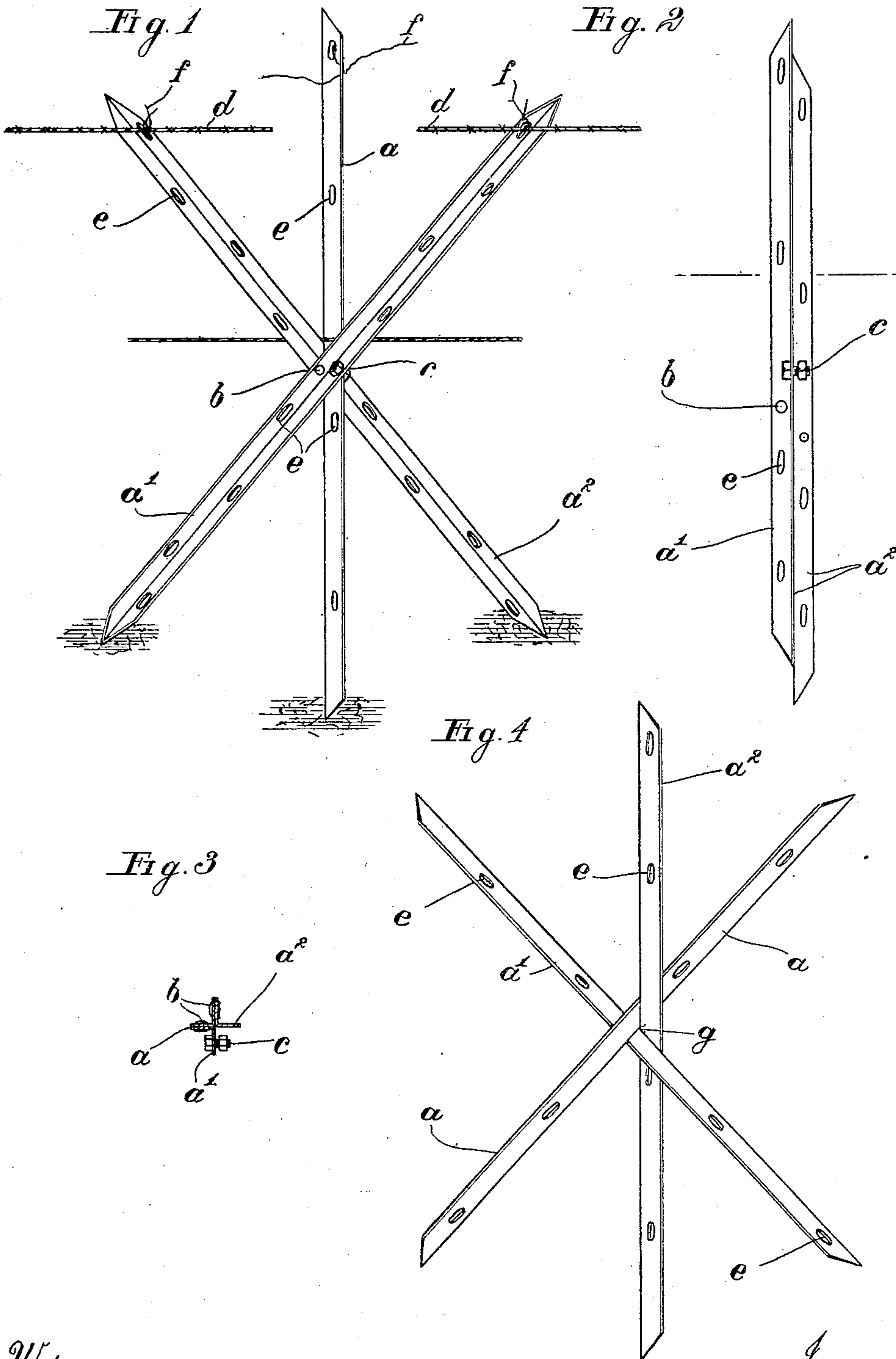
L. ANDERSEN.

STANDARD OR SUPPORT FOR WIRE FENCES, WIRE ENTANGLEMENTS, AND THE LIKE.

APPLICATION FILED FEB. 28, 1908.

931,554.

Patented Aug. 17, 1909.



Witnesses.
L. M. M. M.
 E. Smith

Inventor.
 Lauritz Anderson
 By Carl Sewer.
 His Attorney.

UNITED STATES PATENT OFFICE.

LAURITZ ANDERSEN, OF LIVERPOOL, ENGLAND.

STANDARD OR SUPPORT FOR WIRE FENCES, WIRE ENTANGLEMENTS, AND THE LIKE.

No. 931,554.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed February 28, 1908. Serial No. 418,222.

To all whom it may concern:

Be it known that I, LAURITZ ANDERSEN, engineer, a subject of the King of England, and resident of Liverpool, England, have invented Improvements in Standards or Supports for Wire Fences, Wire Entanglements, and the Like, of which the following is a specification.

This invention has for its object an arrangement of a portable standard for wire entanglements and fences, whereby it is packed in a very small space when being carried out to the field, and can be instantly erected without digging holes, and yet carry the fences in the very firmest manner, and also in war time can have a double, or triple or quadruple fence very difficult to climb over, especially when made of barbed wire, and also it forms an extremely strong wire entanglement.

In order that the invention may be fully understood reference will be had to the accompanying drawings, in which:—

Figure 1 is a perspective view of the device open. Fig. 2 is a view of the device folded. Fig. 3 a section through Fig. 2. Fig. 4 a plan view of Fig. 1.

The invention consists essentially in forming the post of three angle or square irons or bars respectively a , a^1 and a^2 with the three corners meeting together at g when expanded, as shown in plan view, Fig. 4, and when packed ready for storage, the three angle irons are (in cross section) in the form of an X (Fig. 3) one side of the central iron a being riveted or bolted to the adjacent side of the iron a^1 by means of a single rivet b and the other side of said iron a being riveted by a similar rivet to the adjacent side of the iron a^2 . The angle irons are so arranged that the three stems a fastened by the two rivets b , can be at once brought to an angle of about 90 degrees with each other (Fig. 1) and then a bolt c is placed through rivet holes in the two contiguous angle irons, whereby the standard is absolutely and rigidly fixed, and cannot be collapsed or folded up except by withdrawing the bolt c . The standards are all pointed at each end, and have nicks or holes e at regular intervals for wires d , and thus any number of wires can be fixed along their length and along the length of two posts, or of only one as desired, or rest on the center where the three bars meet. Also the device will stand in any of numerous positions. In my experimental

device the angle irons a are about seven feet long, one to one and a quarter inches in width, and three-sixteenths to a quarter of an inch in thickness.

When used for wire entanglements, a series of these standards or caltrops are thrown into a ford, or placed on the land, and well wired together with barbed wire d which may be passed through holes e , or secured by wire f passed through the holes e . In such instance however, a few stakes could be driven into the ground, and firmly fixed toward the center of the wire entanglement to prevent any chance of the whole being plowed up by any big device for lifting them, and dragged off as a whole. This however is not really necessary, but the ends of the wire could be fastened to stakes driven into the ground. As a number of standards would be used joined together by wire, it is practically an impossibility to move them collectively.

This invention is especially useful for temporary fences, and as the wires can be made to give the fence an inverted position toward either side, it is a very difficult fence indeed to climb. The standards can be used alone or in combination with wire, they may be used on hard land or ice, on soft land or even submerged in water; they will hold equally well wherever placed.

Having fully described my invention, what I claim and desire to secure by Letters Patent is:—

An improved caltrop or standard for wire fences, entanglements and the like, comprising in combination, three bars of angle iron, the adjacent sides of said angle-iron bars being pivoted together, so that the bars can be folded together parallel to each other, or extended so that the ends of three legs are always on the ground, holes being provided in two contiguous legs, said holes being arranged so as to coincide when said legs are extended, a locking bolt passed through said holes and locking said bars in their extended position, substantially as described and shown, and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

LAURITZ ANDERSEN.

Witnesses:

F. A. DAVIDSON,
H. W. OLDHAM.