A. W. BURBURY.

WIRE FASTENER.

APPLICATION FILED DEC. 31, 1906.

904,506. Patented Nov. 24, 1908.

Fig. 1.

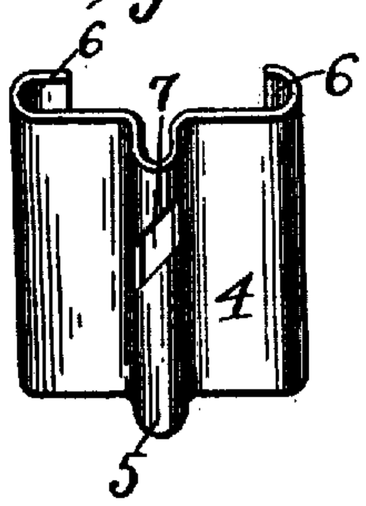


Fig. 2.

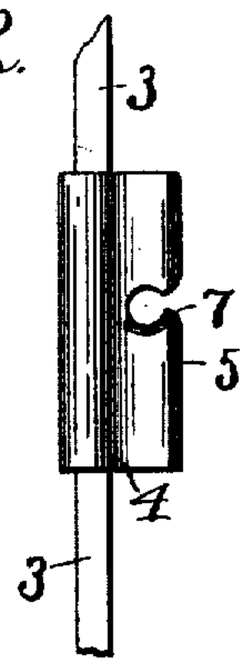


Fig. 3.

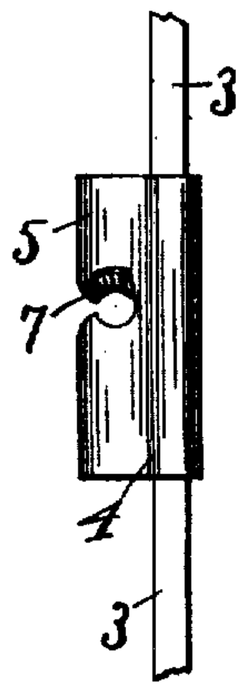
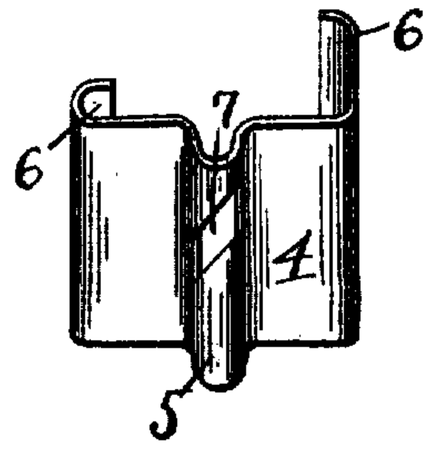


Fig. 4.



Attest.

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UNITED STATES PATENT OFFICE.

ALFRED WILLIAM BURBURY, OF WOODBURY, TASMANIA, AUSTRALIA.

WIRE-FASTENER.

No. 904,506. Specification of Letters Patent. Patented Nov. 24, 1908.

Application filed December 31, 1906. Serial No. 350,284.

To all whom it may concern:

Be it known that I, ALFRED WILLIAM BURBURY, a subject of the King of Great Britain, residing at Woodbury, in the State of Tasmania, Commonwealth of Australia, have invented certain new and useful Improvements in Wire-Fasteners, of which the following is a specification.

My invention relates to means for securing the strands of a wire fence to the standards and droppers where the standards are used in lieu of wooden posts.

By means of my improved clip device, a standard or dropper may be adapted to suit fences having a varying number of wire strands or wherein the distance between the wires or gage varies.

It is the object of my invention to provide a cheap and easily constructed clip for the wire strands of a fence that will securely hold the wire therein and at the same time be capable of being taken off or replaced upon the dropper or standard at any point.

The clip is made of a piece of flat steel or other suitable metal which is bent medially to form a ridge. Its edges are then bent to form grips to engage with the edges of the dropper or standard. In the ridge thus formed I may, in one form of clip, make an incision with a milling or other tool in preferably an oblique direction, say at an angle of about 45 degrees from the perpendicular. The inner portions of the opening are hollowed out or enlarged in such a way that after placing the wire strand in the incision or groove, the clip, when brought to a vertical position, will lock with the wire.

I am aware that metal droppers have been used with oblique incisions and hollowed out openings in a ridge constructed in a way somewhat similar to those in my clips, but such droppers are more or less weakened by making the incisions, and are moreover, only applicable to a fence the strands of which are the same distance apart as the incisions in the dropper. Now, by means of my invention, the dropper is not only stronger, but by moving the clips up and down, the dropper may be adapted to various gages of fence. My invention is also useful with iron standards, and will be described in connection therewith, thereby rendering it necessary to use wooden posts except, perhaps, at very long intervals.

The invention will be found illustrated in the accompanying drawings, in which:—

Figure 1 is a front view of my clip. Fig. 2 is a view of same from one side, and Fig. 3 is a similar view, the reverse of Fig. 2. Fig. 4 shows a clip adapted to an angle iron standard.

The strands 1 of a wire fence are required to be secured to the standards or droppers 3. For this purpose I use clips whereby the wire will be held close to the droppers or standard and at the same time be allowed to move in the clips without risk of becoming detached.

One form of clip is shown in Fig. 1, wherein 4 is a piece of light sheet metal the medial portion of which is pinched up into ridge 5, while its side edges are bent backwards to afford claws or grips 6 with which to secure it to the dropper 3. In the ridge 5 I make an incision 7 about opposite to a hole which is previously bored through the ridge from side to side. The axis of the bore is exactly at right angles to the plane of the face of the dropper or clip so that if the incision is made at an angle of 45 degrees from the perpendicular it will cut away part of the edge of each hole so formed in the pinched up portion of the clip. The result will be as shown in Figs. 2 and 3, where the upper edge of the hole is cut away on one side while on the other side of the clip the lower edge of the hole or bore is removed. In order therefore to insert a wire strand in the clip, it will be necessary to incline the latter at an angle of about 45 degrees. If when the wire is in the incision, the clip is again brought to the vertical position, the strand of wire will seat itself on the remaining edges of the hole or bore before mentioned and will not be able to leave the clip while the dropper is in a perpendicular position.

In Fig. 4, a clip substantially the same as the foregoing, is provided with two faces for the purpose of gripping an angle iron standard.

Having now described the invention, what

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

The combination with a fencing standard or dropper, of a removable clip adapted to be locked thereon, and comprising a piece of sheet metal having a central vertical ridge having a horizontal hole passing therethrough, and said ridge having an oblique slot in its outermost edge communicating with said hole.

Signed at Hobart this 18th day of July 1906.

ALFRED WILLIAM BURBURY.

In the presence of—
P. M. NEWTON,
P. H. PRETYMAN.