

(No Model.)

H. D. MILLER.
WIRE FENCE.

No. 576,215.

Patented Feb. 2, 1897.

Fig. 1.

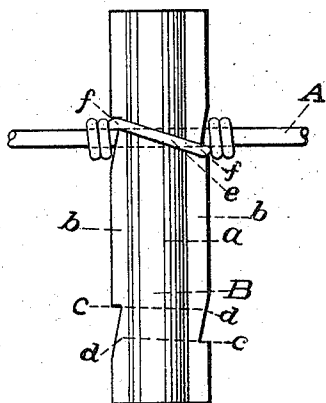


Fig. 2.

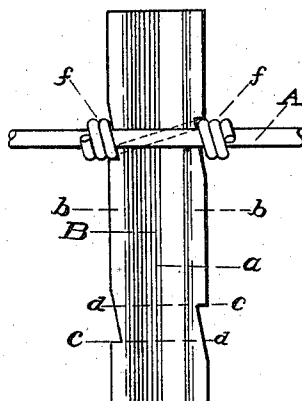


Fig. 3.

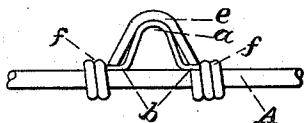


Fig. 4.

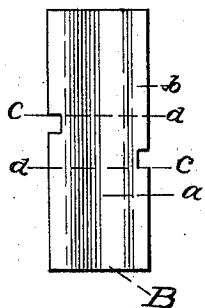
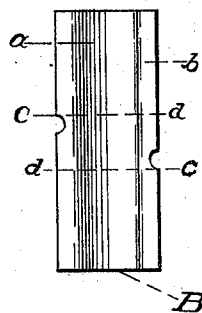


Fig. 5.



WITNESSES:

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WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 576,215, dated February 2, 1897.

Application filed January 2, 1896. Serial No. 574,017. (No model.)

To all whom it may concern:

Be it known that I, HENRY D. MILLER, a citizen of the United States, residing at Greenville, in the county of Darke and State of Ohio, have invented certain new and useful Improvements in Wire Fences, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention has relation to an improvement in wire-fence stays and posts, the object being to produce a stay or post of such a character as will combine strength and durability, and which when attached to the runners of a wire fence will hold them in a parallel position, thus preventing them from spreading or being forced together.

It is a further object of my invention to produce such a stay or post from sheet metal and to provide simple means for holding the same in position on the runners.

These and other objects and advantages more fully appear when taken in connection with the annexed drawings, of which—

Figure 1 represents an elevation of the stay or post as it appears from the front and shows its attachment to the runner-wires by use of a wrap or straddle wire. Fig. 2 represents a rear elevation of the same. Fig. 3 is a horizontal sectional view of the runner-wire, with end view of the stay or post, and shows also the means of attachment. Figs. 4 and 5 represent front elevations of the stay or post, in which the shoulders are formed by cutting rectangular and circular notches.

Similar letters indicate similar parts in all the figures.

Referring by letter to said drawings, A indicates the runner-wire of an ordinary wire fence.

B indicates my metallic stay or post, which may be of any desired formation, but preferably crimped or deflected between its edge portions, forming a rib *a* and leaving on each side of the rib *a* a rim or marginal edge *b b* of any desired width. This formation gives stability to the device and enables the use of light-weight sheet metal in its construction.

The marginal edges of the stay or post are

cut or notched in such a manner as to form shoulders *c c*, arranged in pairs, the shoulders of each pair being faced in reverse directions. These notches may be cut in any desired form, but preferably as indicated in Figs. 1 and 2.

The vertical distance between the horizontal planes *d d* of these shoulders is equal to the diameter of the runner-wire A plus twice the diameter of the wrap or straddle wire *e*.

The runner-wire A lies at right angles to the length of the stay or post, midway between the horizontal planes of these shoulders, and is attached by means of the wrap or straddle wire *e*, which crosses the front of the stay or post and, conforming thereto, passes between the runner-wire A and shoulders *c c*. The ends of the straddle-wire are then fastened by being tightly coiled around the runner-wire in reverse directions, as indicated by *f f*, thus preventing any friction of the runner-wire upon the stay or post.

It will be noticed that the corresponding shoulders will receive the force of any impact given the runners in a vertical direction, thus holding them in a parallel position at all times and under all circumstances.

While it was my original intention to use this device in the manufacture of stays alone, it is obvious that the same principle may be applied to posts, the runners being attached thereto by the employment of the same methods used in their attachment to stays.

It will be observed in this connection that the stay or post may be of any desired length, made to attach to any plurality of runners, which runners may be separated from each other any desired distance.

I have thus provided a stay or post that may be readily formed from sheet metal of light weight, and which combines the qualities of strength and durability. Furthermore, when properly attached to the runners of a wire fence their relative positions to each other will be maintained and spreading or crowding together effectually prevented.

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

The combination with the runners of a wire

fence of a metallic stay or fence-post, having marginal edges; which edges are notched by cuts, one made inwardly and longitudinally, and another at right angles with the length
5 of the stay or post, so as to form shoulders or stops against which the straddle-wire rests, said shoulders or stops being arranged in

pairs, the shoulders of each pair lying in different horizontal planes and facing in reverse directions, as set forth.

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Witnesses:

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