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WIRE FENCE

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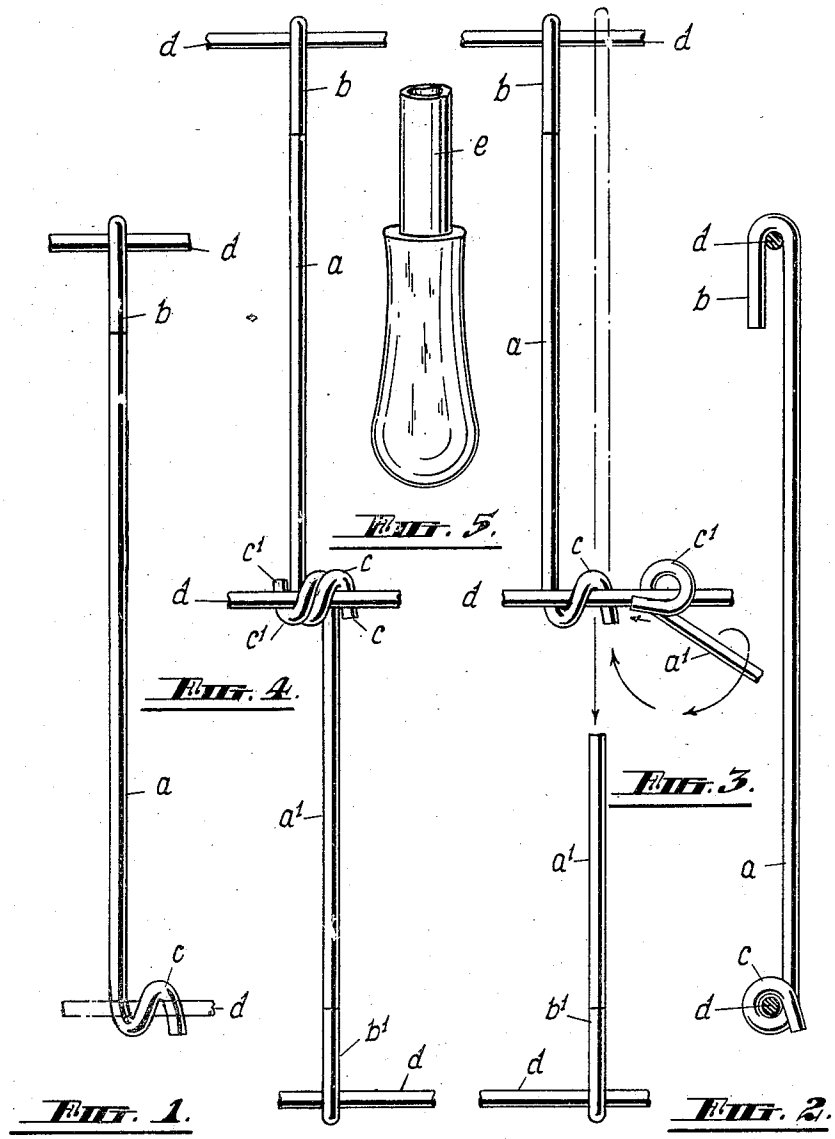


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

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WIRE FENCE

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My invention relates to an improved wire fence, the object of the same being to provide means whereby a series of horizontal wires may be joined together by vertical connections, each connecting link being of sufficient length to retain the wires in parallel alignment, and furthermore to have one end constructed in such a manner that it can be interlocked or intertwined with the end of the next dropper or connecting link in series.

For this latter purpose I construct on one end of each dropper a helical twist constructed in such a manner that by rotary movement of the dropper as hereinafter explained the two elements will interlock on opposite sides of the horizontal wire. I also provide a twisting tool to be used in combination with my invention.

But in order that my invention may be more clearly understood I will now describe the same by aid of the accompanying illustrative drawings wherein:—

Fig. 1 is a front elevation of a single dropper.

Fig. 2 is a side elevation of Fig. 1.

Fig. 3 illustrates a dropper mounted upon two horizontal wires and also the end of a similar dropper in position for intertwining the bottom end of the upper dropper.

Fig. 4 repetition of Fig. 3 with the droppers completely intertwined.

Fig. 5 illustrates a tubular tool for bending the hook end of the wires.

In each of the illustrations similar letters of reference are used to denote similar or corresponding parts wherever they occur.

In the drawings *a* is the shank of a dropper made of iron or steel wire of suitable gauge, one end of which terminates in a hook *b*, whilst the opposite end *c* is coiled preferably to the extent of a circle and a half (or more if so desired) the circle being somewhat larger in diameter than the diameter of the fencing wire upon which it is to be mounted, and the bend being made in open or wide helical formation, simulating the thread of a screw.

These parts are indicated by the aforesaid reference letters, more particularly with reference to the dropper on the right hand side of the illustrations, the corresponding parts of the left hand dropper being indicated by the reference letters *a'*, *b'* and *c'*.

Referring now to Fig. 3 of the drawings, the simplest method of linking these parts together upon fixed horizontal wires *d* may readily be followed by aid of the arrow head indicators. In Fig. 3 the top wire having been mounted in place, the lower wire may be placed on its side and at a slight angle from the central horizontal wire so that the horizontal wire easily slips into the outer space between the helical coil.

When this has been done the operator slides the dropper along the wire in the direction of the small arrow head, still retaining it at an angle of inclination substantially as shown in the illustration. This enables the extremity of the coil *c'* to be partially passed into the loop of the coil *c*, and when so placed the shank of the dropper *a* may be gradually twisted to assume a vertical position, the motion being effected as indicated by the curved arrows, and when brought substantially to the vertical position it is twisted upwards by rotary motion and then downwards in a vertical plane as indicated by the straight arrows, and when this has been done it will be found that the wires have intertwined and interlocked each other as in Fig. 4 of the drawings.

All intermediate ends may be fastened to the horizontal wires *d* in the manner indicated and the hook end of the shank is placed in position by springing the wire to which it is applied, and after the hook end has been engaged by the wire it may be permanently twisted for retention purposes by the aid of a tubular tool *e* such as illustrated in Fig. 5 of the drawings, the tubular engaging portion of the tool being of sufficient internal diameter to engage the end of the hook and effect the twisting movement.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

A wire fence comprising a plurality of horizontal supporting wires and vertical fence droppers therefor, each dropper having a hook at one end and a helically formed coil

at the other end, the hooked ends of two droppers being engaged about alternate supporting wires and the coiled ends of the said droppers embracing the intermediate supporting wire and having the coils intertwined with each other to bring the end of one dropper on the outside of and alongside the upright portion of the other dropper.

In testimony whereof I affix my signature.

CLARENCE GLENVILLE MANNERS.