(No Model.)

W. I. F. HARDEN.

FENCE.

No. 388,132. Patented Aug. 21, 1888.

Fig. 1.

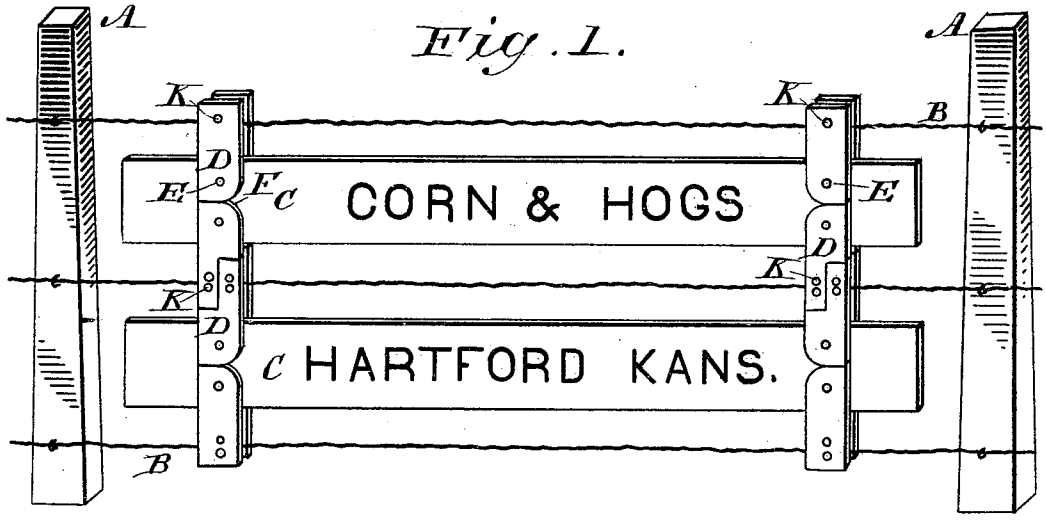


Fig. 2.

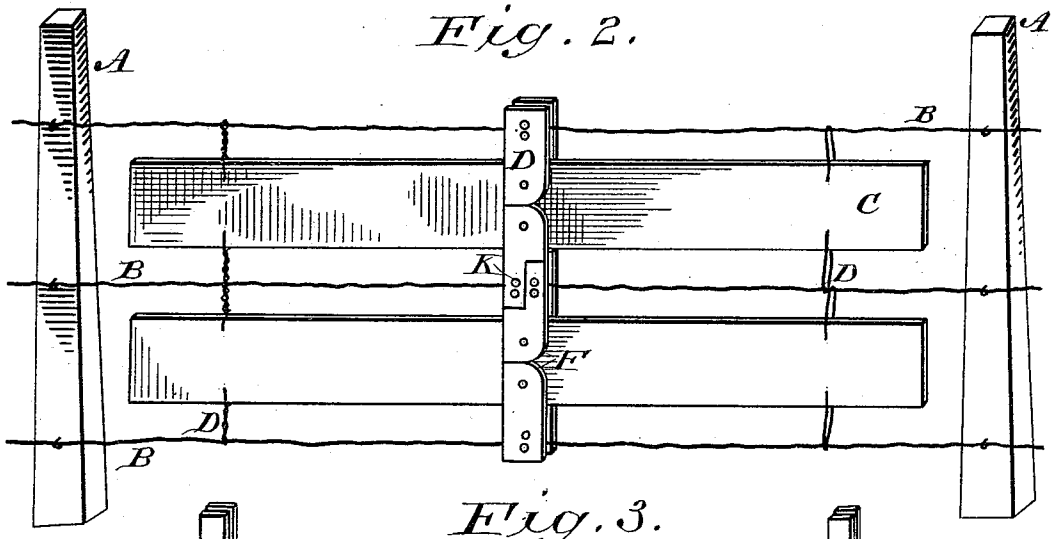


Fig. 3.

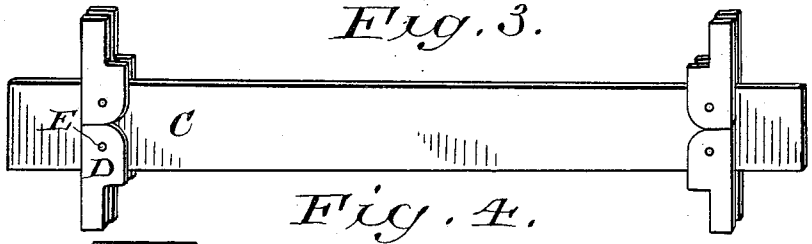
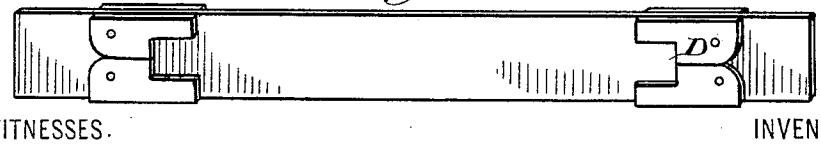


Fig. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM I. F. HARDEN, OF HARTFORD, KANSAS.

FENCE.

SPECIFICATION forming part of Letters Patent No. 388,132, dated August 21, 1888.

Application filed June 9, 1888. Serial No. 276,554. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM I. F. HARDEN, of Hartford, county of Lyon, State of Kansas, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had to the accompanying drawings.

The object of my improvements is to enable farmers or others to readily convert an open fence—such as an ordinary smooth or barbed wire fence—into a tight fence. Accordingly I provide a board with pivoted cleats to be secured by means of the cleats to the fence-wires. Of course this extra board may be applied to any open-board fence, but it is more commonly applicable to a barbed-wire fence, to either make the fence tight or to make it apparent to animals, so that they will not run against the barbed wires and injure themselves.

My invention consists in certain improvements to simplify and cheapen the construction of the matters belonging to such extra boards, to provide for folding the fastening parts for transportation, and to bring the construction within the capacity and means of ordinary farmers.

In the accompanying drawings, Figure 1 is a perspective view of my improved fence attachment applied to use upon a fence. Fig. 2 is another perspective view showing formal modifications of the means of attachment to the fence. Fig. 3 is a perspective view of my improved fence-board and fastening detached. Fig. 4 shows a perspective view of the same with the cleat-fastening folded in position for transportation.

Referring to the letters upon the drawings, A indicates the posts of an ordinary fence, and B the wires, or it may be boards or strips; but, generally, barbed wires are used.

C indicates a board to be suspended between the wires, and substantially parallel with them.

D indicates cleats, which are pivoted to the board at E by means of round wire nails, or any usual economical means. It is preferable to round the corners of these cleats, as shown at F, so that they will readily fold together for transportation, as shown in Fig. 4, and, also, so that when they are unfolded and ready for use, as shown in Fig. 3, their adjacent ends will bear against each other to relieve the pivots of the strain of supporting them. There may be eight or more of these cleats placed in pairs on opposite sides of the board. To apply the board in position on a fence, either to make the fence tight against the passage of fowls or small animals, or to make it apparent to horses and cattle and prevent them from running against it, the cleats are caused to straddle the upper and lower wires, as shown in Fig. 1, and nails or bolts K are driven through the cleats. By using soft iron, steel, or wire nails or bolts their ends can be bent down after they are driven to place, and caused to hold securely. The lower nails should be driven close above the lower wires, and the upper nails close above the upper wires, so that both wires will unite to sustain the load. There may be two nails, one above and one below each wire, if desired.

Instead of wooden cleats, wire-fastenings may be used, either altogether or combined with wood, as illustrated in Fig. 2.

My improved attachment for fences can be made of light stuff ready to to be applied, and can be purchased and shipped to any place ready for use. The boards can also be used in all conspicuous places desirable as advertisement-boards, as illustrated in Fig. 1, and the advertisements can be placed upon them in the shop. Instead of boards, of course poles or rails might be used.

Whenever it is desired to use these improved attachments in a particular field, they can be applied and then afterward they can be removed and changed to another field, so that a farmer, having enough for a field or two, can use them all about a farm where he wishes to fend against stock at different seasons of the year and under different circumstances, and he can make them himself if he wants to. Consequently there is great economy in the improvement, because all barbed-wire fences will not require to be boarded at the same time, and a removable and portable fence attachment of this kind serves the purpose, practically, of a tight fence everywhere.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. As an improvement in fences, a board pro-

vided with pairs of pivoted cleats for securing it in open spaces between the parts of the fence, said cleats being adapted to fold on opposite sides of the board for convenient transportation and handling, substantially as set forth.

2. The combination, with the fixed wires or strips of a fence, of a series of boards fitted together by a succession of pivoted cleats adapted to fold on opposite sides of the boards, and serving to attach them to the fence, substantially as set forth.

In testimony of all which I have hereunto subscribed my name.

WILLIAM I. F. HARDEN.

Witnesses:
THOMAS CAMPBELL,
W. H. FLICKINGER.