

(No Model.)

H. M. JACK.
RAILWAY CATTLE GUARD.

No. 550,915.

Patented Dec. 3, 1895.

Fig. 1.

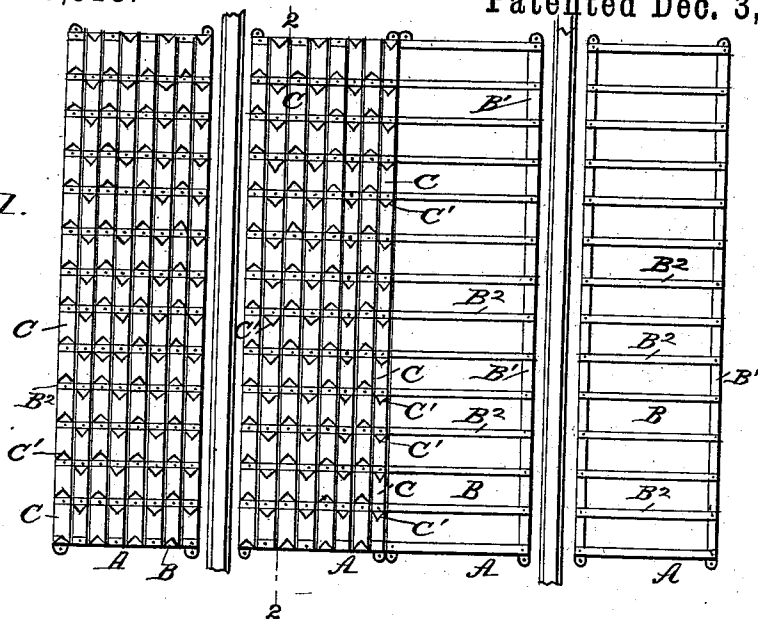


Fig. 2.

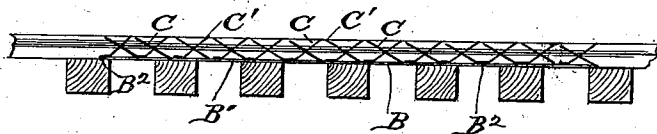
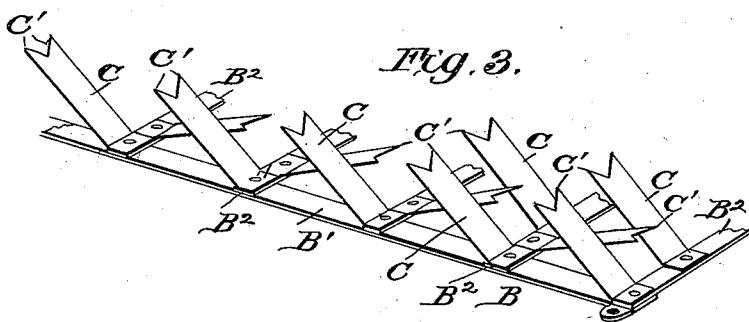


Fig. 3.



WITNESSES:
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HARVEY M. JACK, OF PALESTINE, ASSIGNOR OF TWO-THIRDS TO T. G. GOLDEN AND A. L. BOWERS, OF ANDERSON COUNTY, TEXAS.

RAILWAY CATTLE-GUARD.

SPECIFICATION forming part of Letters Patent No. 550,915, dated December 3, 1895.

Application filed October 10, 1894. Serial No. 525,508. (No model.)

To all whom it may concern:

Be it known that I, HARVEY M. JACK, residing at Palestine, in the county of Anderson and State of Texas, have invented certain new and useful Improvements in Cattle-Guards, of which the following is a specification.

My invention is an improved cattle-guard for use where the track of a railroad passes between the adjacent ends of fence-sections; and the invention seeks to provide elevated pricking-points in connection with adjacent guides inclining toward such points to direct the legs of the stock to such points so the latter will prick the legs at or above the top of the hoof.

The invention consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a plan view of my improvement, some of the plates being omitted. Fig. 2 is a sectional edge view on about the line 2 2, Fig. 1; and Fig. 3 is a perspective view of a part of one of the guard-sections.

The cattle-guard is preferably formed in four sections A, two between the rails and one along each side of the track and made of such lengths as to efficiently guard the gap in the fence. These sections consist of metallic frames B and plates secured thereto, the frames being in turn bolted or otherwise secured to the ties or otherwise suitably anchored in position.

In the drawings the frame is shown as composed of longitudinal bars B' and cross-bars B², and the plates C are secured at one edge to the cross-bars B², incline thence upward, and have at their upper free edges points or teeth C'. As best shown in Fig. 3, the plates C are arranged in rows, each cross-bar B² carrying two rows, the plates of one row extending in one direction and inclining upward, while those of the other row extend in the opposite direction and incline upward. It

will also be seen that the plates of the adjacent rows—that is to say, those which project from the front edge of one cross-bar B² and the rear edge of the next said bar—alternate and interlap, extending at their upper edges past each other. It will also be noticed that the plates of the alternate rows are in alignment.

By my improvement it will be seen that I provide elevated points or prongs and adjacent thereto inclined surfaces, down which the foot of stock of any kind will slip to bring the points of the plate overlying the base of such incline in contact with the leg at a point above the hoof, pricking it and causing its withdrawal by the animal. Manifestly, the thickness and other dimensions of the plates and other parts may be such as to efficiently serve the desired purpose.

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

1. A cattle guard comprising point plates arranged in rows the plates of each row being inclined and the plates of the adjacent rows alternating with each other and projecting in opposite directions substantially as and for the purposes set forth.

2. A cattle guard comprising parallel rows of plates, the plates of each row alternating with, inclining upward toward and in opposite directions from those of the next row, and extending past the plates of said row, such plates being provided at their upper free ends with points substantially as set forth.

3. A cattle guard comprising parallel rows of inclined plates, the plates of the alternate rows being in alignment and the plates of the adjacent rows being arranged alternately, such plates being provided at their upper ends with points substantially as and for the purposes set forth.

HARVEY M. JACK.

Witnesses:

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