

(No Model.)

J. T. GILBERT.

CATTLE GUARD FOR RAILWAYS.

No. 373,359.

Patented Nov. 15, 1887.

Fig. 1.

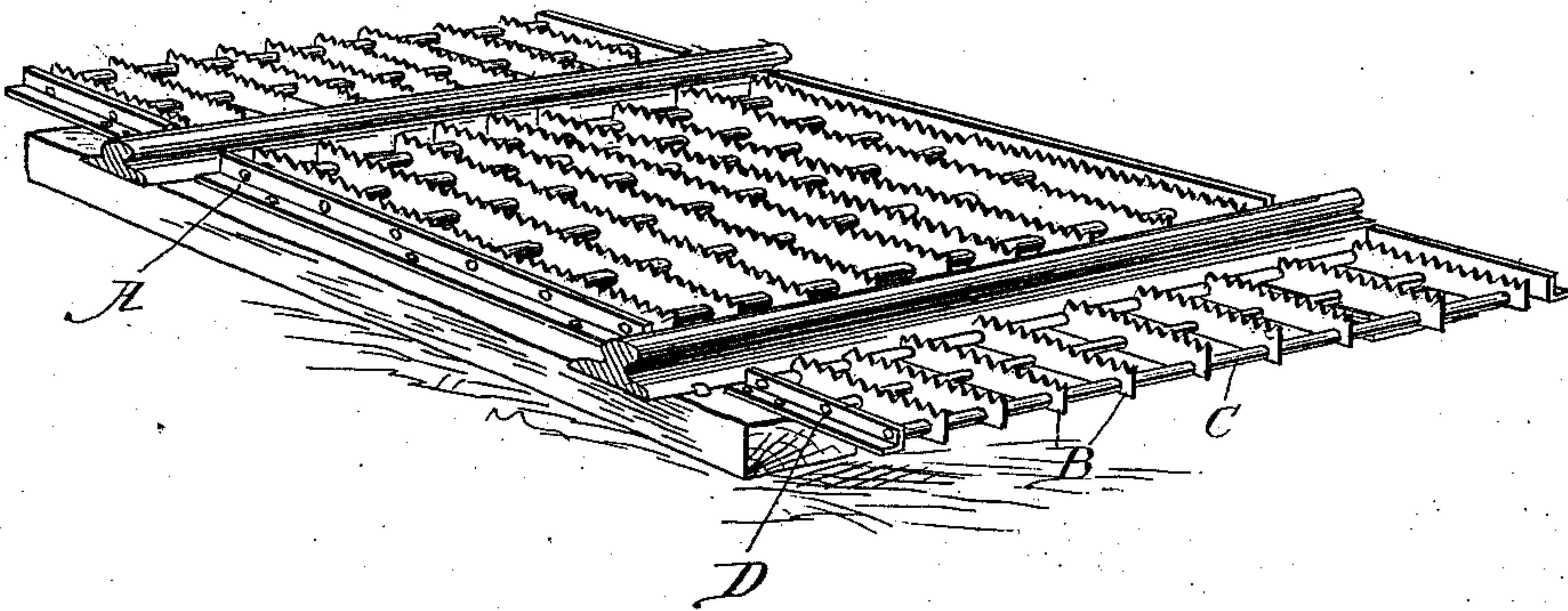


Fig. 2.

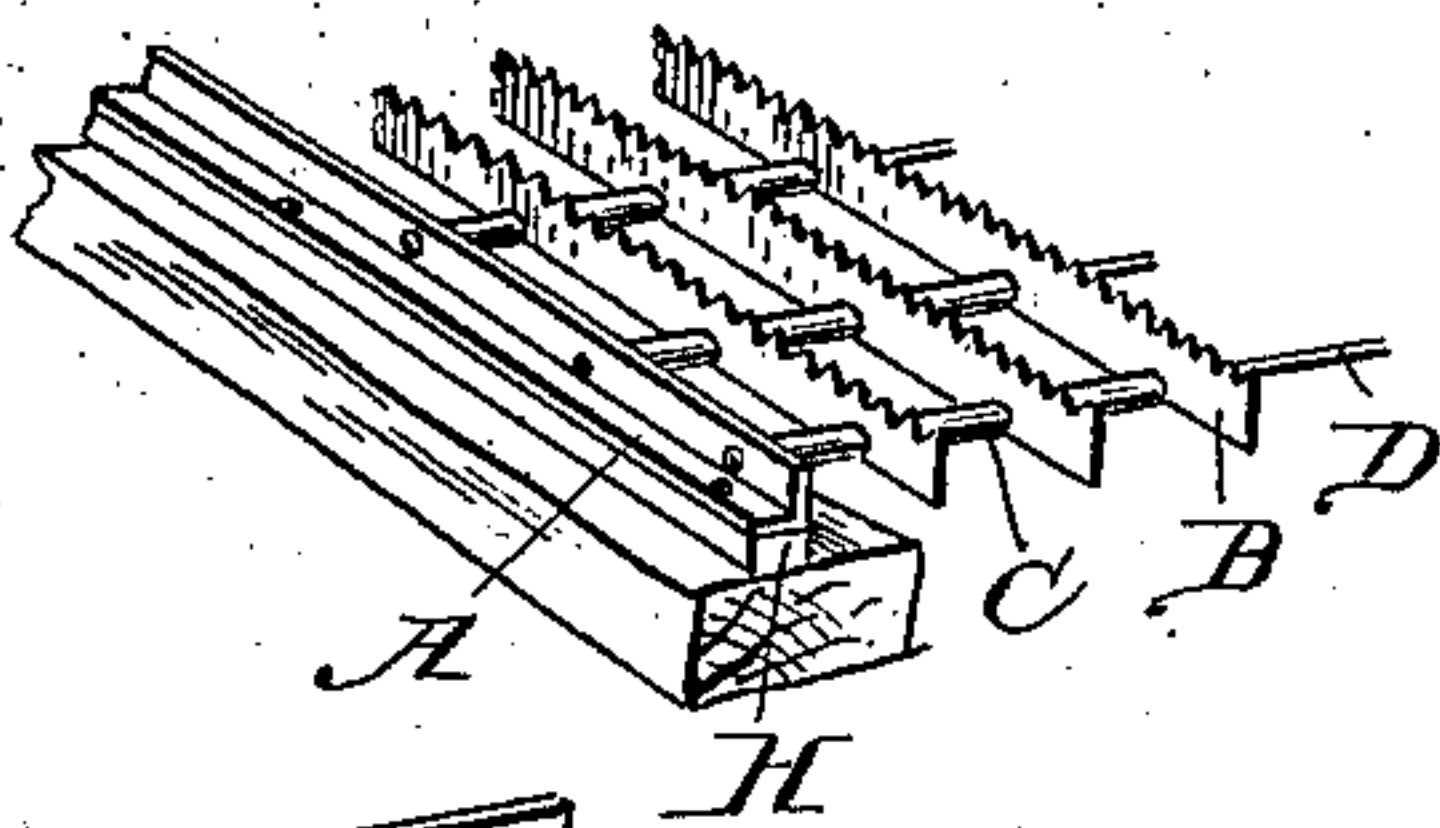


Fig. 6.

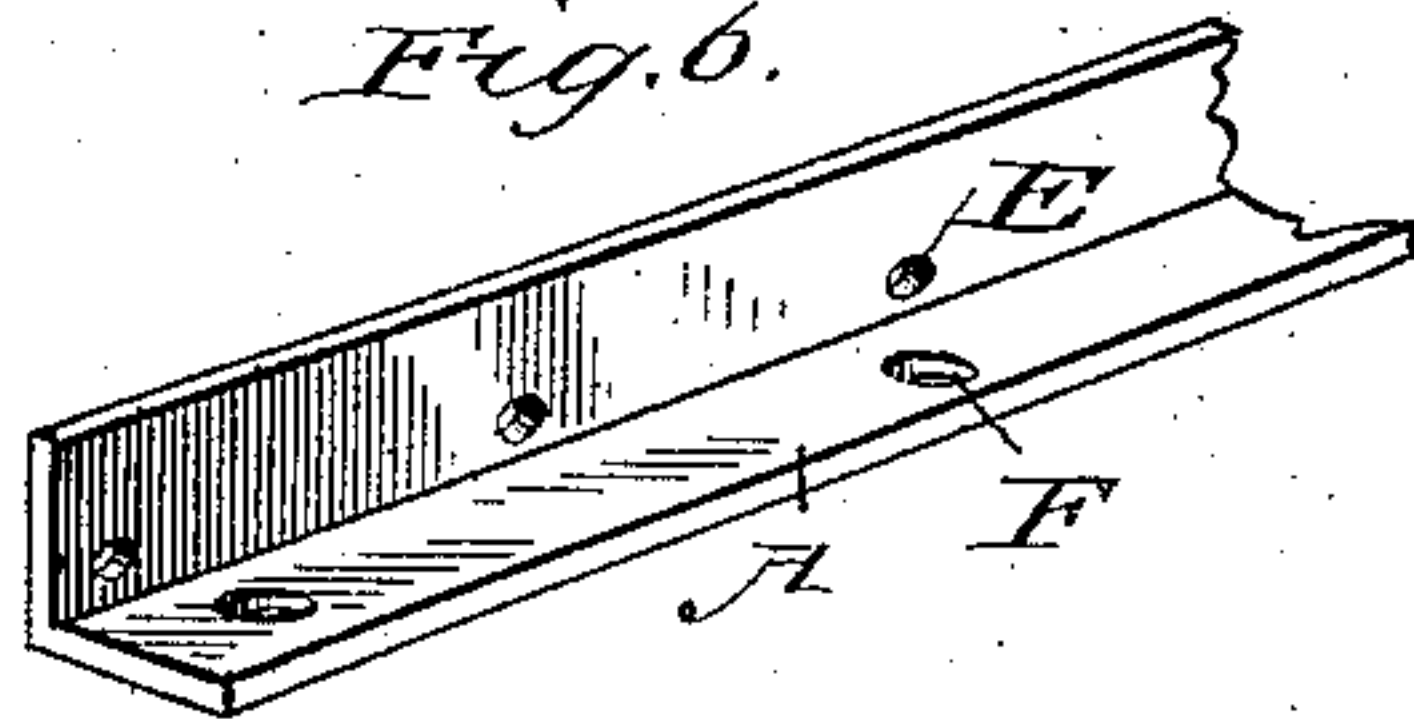


Fig. 7.

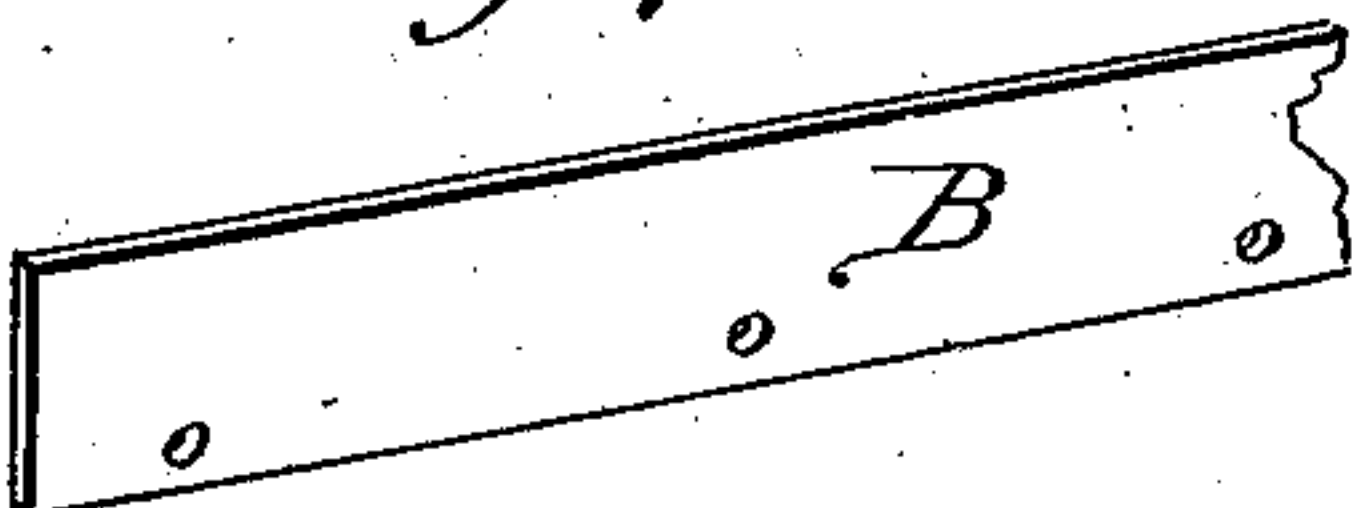


Fig. 3.

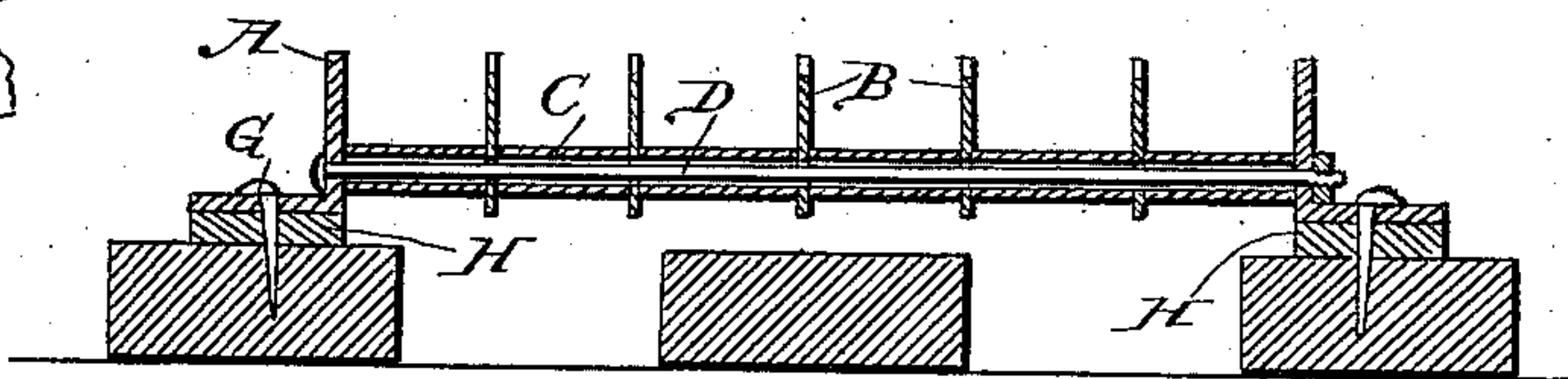


Fig. 4.

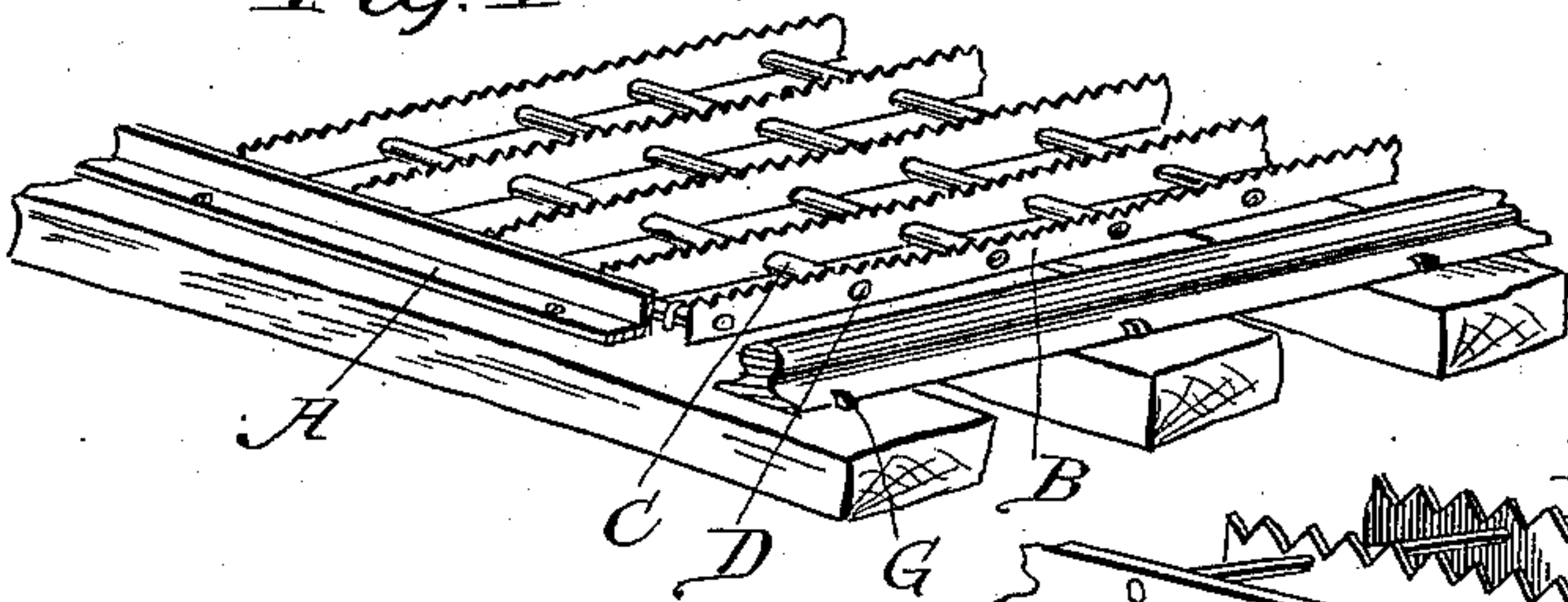
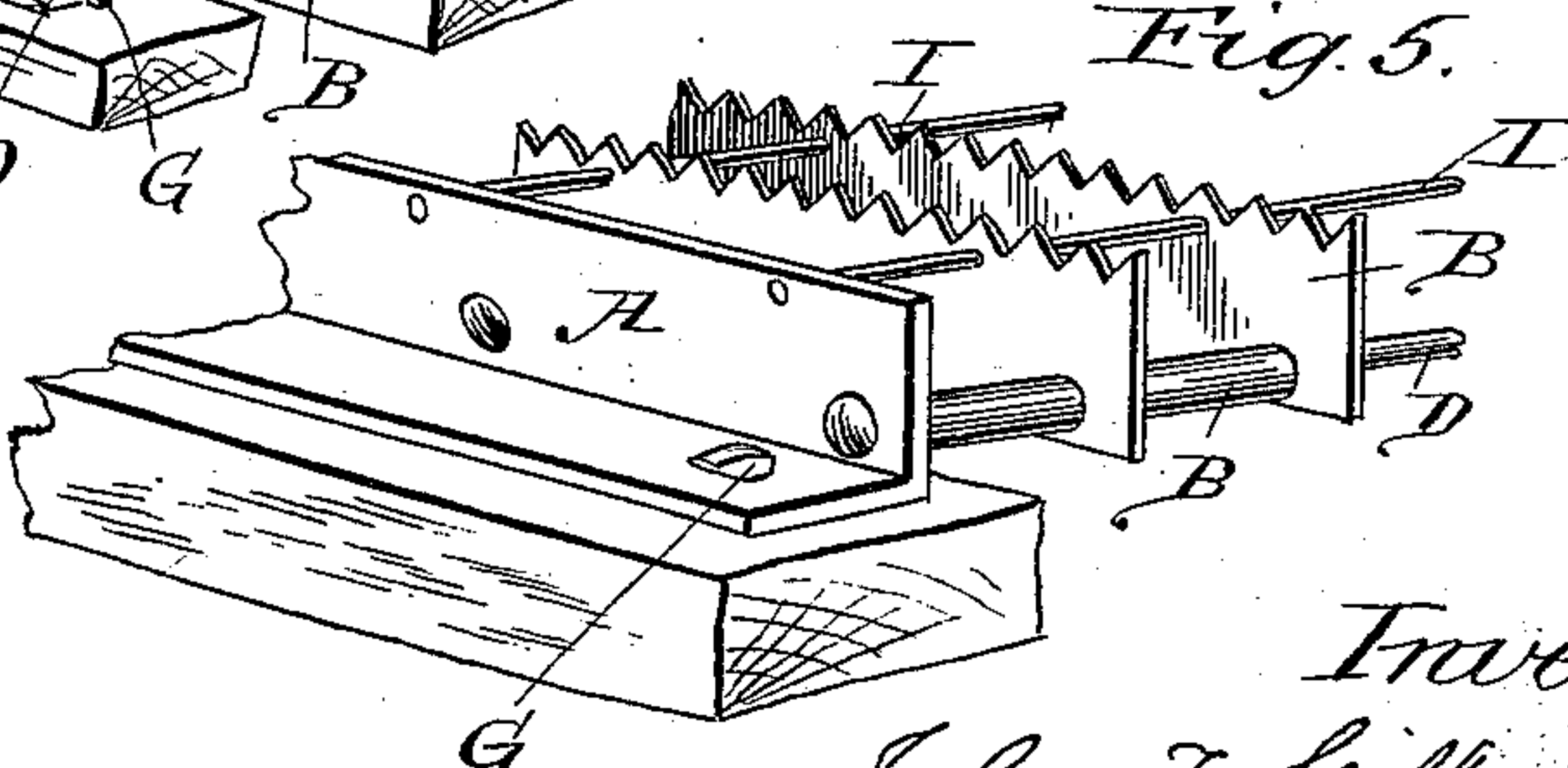


Fig. 5.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## CATTLE-GUARD FOR RAILWAYS.

SPECIFICATION forming part of Letters Patent No. 373,359, dated November 15, 1887.

Application filed April 2, 1885. Serial No. 161,057. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN T. GILBERT, a citizen of the United States, residing in Bloomington, county of McLean, in the State of Illinois, have invented a new and useful Cattle-Guard for Railroads, of which the following is a specification.

My invention consists in a cattle-guard constructed as hereinafter shown and described.

10 Figure 1 is a perspective view of a section of a railroad track with my invention applied. Fig. 2 is a detailed perspective of the same, with a slight difference in mounting. Fig. 3 is a transverse section through the ties and 15 guards. Fig. 4 is a detail perspective showing a modification of my invention. Fig. 5 is an enlarged detail. Fig. 6 is a detail view of angle-iron. Fig. 7 is another modification, showing a form of guard.

20 Similar letters refer to similar parts throughout the several views.

B represents strips of metal set on edge and connected together by rods D, which pass through holes in the strips B, and which pass 25 through short sleeves C, lying between the strips, whereby the thin metal strips B are firmly bound together into a substantial structure. The strips B may be run across the track, as shown in Fig. 1, or parallel with 30 the rail, as shown in Fig. 4. The rod D may

be fastened at its end by having a head at one end and a nut at the other, as shown in Fig. 3, or in any other suitable way. The strips B may be serrated on their upper edge or not, at will.

A represents a piece of angle-iron secured to the ties at each end of the cattle-guard, to protect the metal strips B from anything which might hang down from a car and drag along the track.

I make my improved cattle-guard in three sections, one to fit between the rails and two for the outsides of the rails, as shown in Fig. 1.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A cattle-guard consisting of thin strips of perforated metal placed on edge and tied together by rods fastened through said strips and through sleeves interposed between the strips, substantially as shown and described.

2. A cattle-guard consisting of metal strips B, having perforations, sleeves C between said strips, and rods D, passing through said sleeves and strips, all combined substantially as described.

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Witnesses:

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