(No Model.)

R. J. DAVIES.

ANIMAL SLINGING RAILWAY.

No. 261,316. Patented July 18, 1882.

Fig. 2.

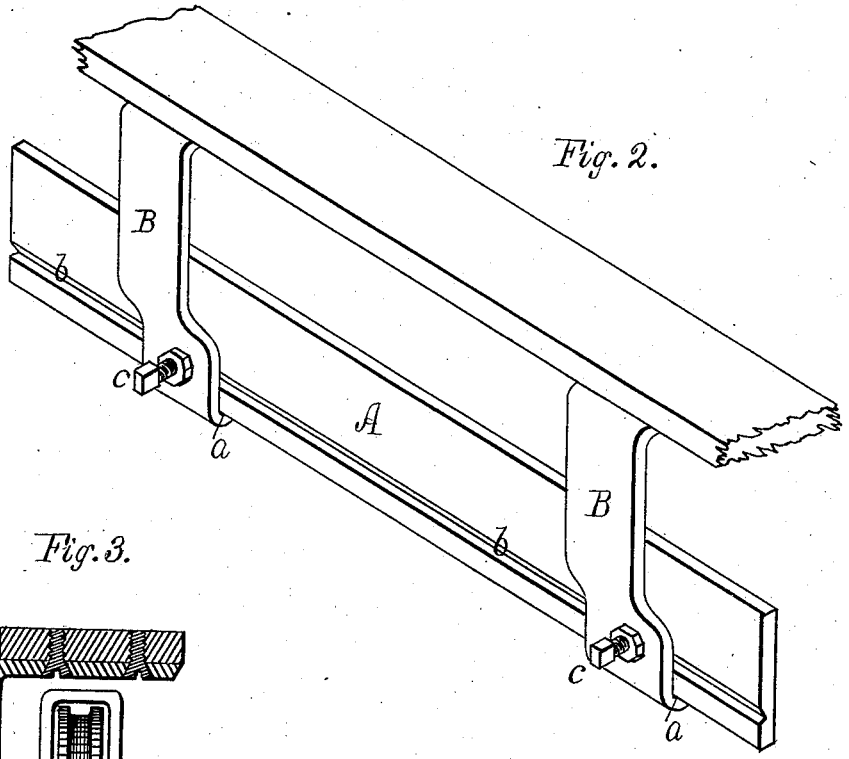
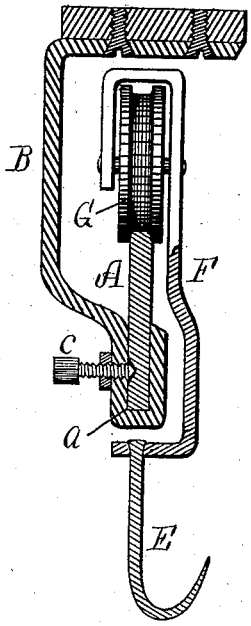


Fig. 3.



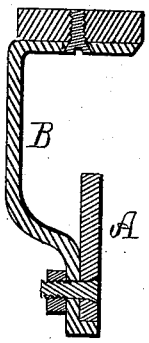


Fig. 1.

Witnesses.
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UNITED STATES PATENT OFFICE.

RICHARD J. DAVIES, OF CAMBRIDGE, MASSACHUSETTS.

ANIMAL-SLINGING RAILWAY.

SPECIFICATION forming part of Letters Patent No. 261,316, dated July 18, 1882.

Application filed February 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, RICHARD JOHN DAVIES, a citizen of the United States, residing at Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Animal-Slinging Railways; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to suspension of rail-transits employed in slaughtering-establishments to convey the dressed carcasses into and out of refrigerating chambers or apartments, in which a flat rail standing on edge is suspended horizontally from hangers secured to the ceiling of the apartment or structure, the carcasses being slung from a hook swiveled to an arm which is supported upon a grooved roller that travels upon the rail.

In my invention I convert the lower part of the hanger into a clasp, in which the rail is deposited and by which it is mainly supported; and, to prevent slipping of the rail in the hanger, I employ with each hanger a set-screw, which screws through one side of the same and against the rail, a longitudinal groove being preferably formed in such rail to receive the end of the screw.

The drawings accompanying this specification represent, in Figure 1, a vertical section of the rail and hanger of an animal-slinging railway as heretofore constructed. Fig. 2 is an isometric elevation, and Fig. 3 a section, of my improved construction.

In said drawings, A represents the rail; B B, the hangers; E E, the hooks on which the slaughtered and dressed animals are slung; F F, the pendent arms on which the said hooks are suspended; and G G, the grooved pulleys, pivoted to the upper part of said arms and traveling upon the rail A.

In carrying out my improvements I continue the lower end of each hanger into a lip, *a*, which I extend beneath the rail and turn up outside of the latter, thereby providing a clasp or seat, which not only firmly upholds the rail, but effectually prevents turning or twisting of such rail in its supports and relieves the bolts of the labor of its support. Moreover, I form in the lower part of one side of the rail A a shallow longitudinal groove or indentation, *b*, of any desired form in cross-section, and opposite this groove I screw through the adjacent side of each hanger a set-screw, *c*, the point of this screw entering the groove or indentation *b*, thereby preventing end-play or lifting of the rail.

When it is desired to remove or to change the position of a rail it is only necessary to loosen the set-screws which bind it to permit this to be done. The construction is simple, durable, and strong.

I claim—

1. In combination with the hanger terminating at bottom in a clasp or chair having opposite side walls to inclose and support the rail in an upright position, a set-screw screwing through one of said walls and adapted to clamp the rail against the opposite wall.

2. In combination, the hanger terminating at bottom in a clasp or chair to uphold and steady the rail, the rail with its groove or indentation and the set-screw screwing through one side or wall of the clasp and adapted to enter the groove of the rail and to clamp such rail between it and the opposite side or wall of the clasp.

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD JOHN DAVIES.

Witnesses:

H. E. LODGE,

F. CURTIS.