

PATENT SPECIFICATION



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386,572

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COMPLETE SPECIFICATION.

Improvements in or relating to Endless Tracks for Vehicles.

I, ADOLPHE KEGRESSE, a French Citizen, of 156, rue Armand Silvestre, Courbevoie, France, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to endless tracks for vehicles, of the kind described in my earlier Specifications Nos. 285,047 and 292,440.

In the earlier arrangements the loading on the carrier rollers was transmitted through the endless flexible band itself, which arrangement involves serious disadvantages.

This invention consists in arranging the carrier rollers laterally of the flexible band so that they run directly on the metal plates which constitute the exterior bracing or armour of the track.

In order that the invention may be clearly understood, a construction of an endless track is shown by way of example in the accompanying drawings, in which:—

Figure 1 is a view in elevation of an endless track,

Figure 2 is a view in section through the line A—B of Figure 1, showing the arrangement of the carrier rollers,

Figure 3 is a view in section through the line C—D of Figure 1, showing the manner in which the track is mounted on the driving wheels,

Figure 4 is a view in section through the line E—F of Figure 1, showing the mounting of the track on the jockey pulleys,

Figure 5 is a diagrammatic elevation of a four-roller train.

In Figures 1, 2, 3 and 4, 1 denotes the endless flexible band, 2, the guiding blocks thereof, 3 its driving teeth, 4 its ground tread blocks and 5 the metal plates constituting the outer armour of the track.

All these parts are mounted as already disclosed in the earlier specifications referred to.

The present invention can most readily be understood from Figure 2, which shows that the rollers 6 are arranged

laterally of the flexible band 1, and run directly on the jutting out portion 7 of the metal plates.

The guiding of the rollers is ensured by suitably shaped drums 8 (Figure 2) secured to the rollers 6. Said drums 8 each carry a flange 9 which, under side stresses, bears against the guiding blocks 2 (Figure 2).

The driving of the endless track and the guiding thereof on the end pulleys are effected in the manner disclosed in the earlier specifications. The tread of the carrier rollers 6 on the endless track is different from the tread of the driving wheels and also of the jockey pulleys.

The jockey pulleys 11 engage the endless track 1 between the driving teeth 3 and as in the case of the driving wheel the guide blocks 2 pass between them.

The metal plates are set very nearly touching one another, as in the arrangements described in the earlier specifications, thus constituting at each side of the endless track a continuous tread for the rollers to run on.

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:—

1. An endless track arrangement comprising a flexible endless band provided with outer armour plates projecting laterally of the band, characterised in that the carrier rollers are arranged laterally of and on each side of the flexible band, and run directly on the outer armour plates.

2. A track arrangement according to claim 1, in which the tread of the driving wheels is different from the tread of the rollers.

3. A track arrangement according to claim 1, in which the tread of the jockey pulleys is different from the tread of the rollers.

4. The endless track arrangement for vehicles substantially as described or substantially as shown in the accompanying drawings.

Dated this 16th day of July, 1932.

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Fig.1

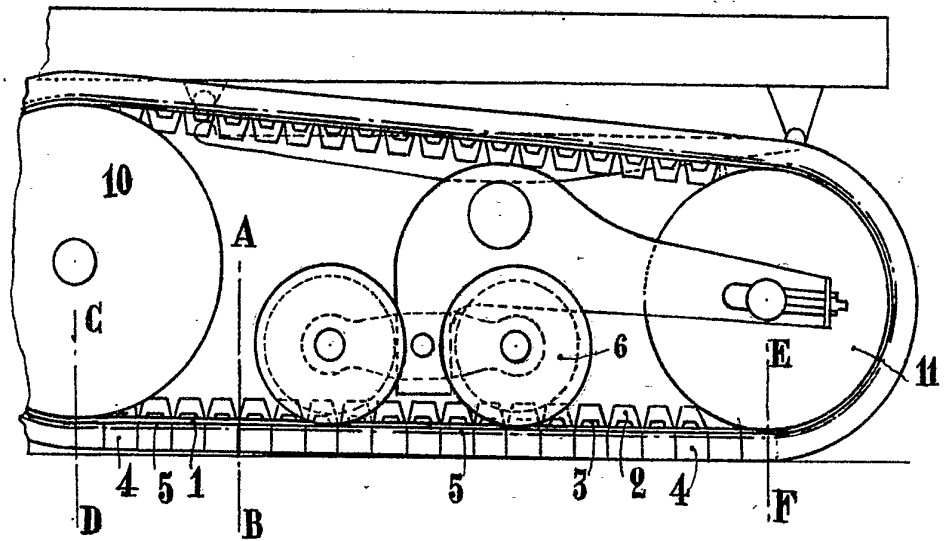


Fig.2

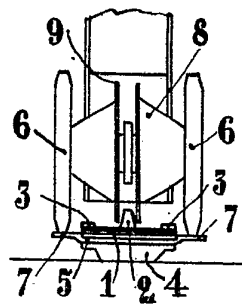


Fig.3.

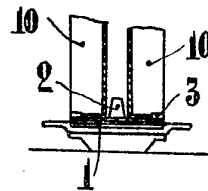


Fig.4

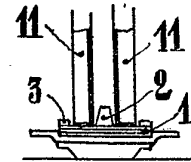
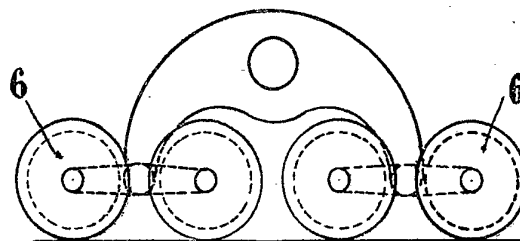


Fig.5.



[This Drawing is a reproduction of the Original on a reduced scale.]