

# PATENT SPECIFICATION

263,863

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## COMPLETE SPECIFICATION.

### Improvements in Endless Tracks for Vehicles.

I, ADOLPHE KEGRESSE, of 54, quai Michelet, Levallois-Perret (Seine), France, a French citizen, 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:—

Endless tracks are already known in which the guiding and driving device is placed on the roller track which forms one piece with the endless track, which rolls on the ground.

Such tracks have comprised a flexible endless track in which a pneumatic or plastic tyre which rolls on the ground is mounted in a detachable manner on the roller track by any desired suitable means.

According to the present invention such tyres are secured to the track by transverse hooks arranged at suitable distances apart and secured at either side of the outside part of the track.

Several constructions according to the invention are shown by way of example in the accompanying drawing.

Figure 1 shows in section one construction of endless track.

Figure 2 shows in elevation a part of the endless track shown in Figure 1.

Figure 3 shows the same device in plan.

Figure 4 shows diagrammatically in elevation the whole of an endless track construction.

Figure 5 shows an endless track with solid tyres.

Figure 6 shows in section a modified construction with double pneumatic tyres.

The flexible endless track 1 (Figures 1, 2 and 4) has on its inner face a known guiding and driving device constituted by suitable blocks 2, at each side of which are provided continuous tracks 3 for the rollers 4, constituted by the inner face of the track 1.

The outer side of the latter is arranged to receive a pneumatic tyre, as used in motor cars, constituted by a cover 5 (Figures 1 to 4) in the interior of which is arranged an inner tube 6 (Figure 1). The cover 5 has a retaining device indicated in Figure 1 by beads 7. This retaining device is held in place on the flexible track 1 by means of narrow and rigid transverse hooks 8 (Figures 1, 2 and 3) secured at approximately equal distances apart by means of rivets or the like 9, to the flexible track 1. As will be readily understood, the flexibility of the track is ensured by the narrow dimensions of the hooks 8 and by the intervals between them.

Figure 5 shows a solid tyre 10 fitted on to a false band 11, the projecting sides of which form a device with which it is fixed to the flexible track by hooks 8 (Figure 5), similar to those provided in Figure 1 for fixing the pneumatic tyre.

As in the previous cases, the projecting portion at either side of the tyre 10, may be similar to any known tyre.

As will be obvious, without it being necessary to supply a drawing the solid tyre 10 (Figure 5) may be replaced by a hollow tyre, intermediate between a pneumatic tyre and a solid tyre, this hollow tyre being provided with beads by means of which it is secured in the same way to the flexible band.

In Figure 6 are shown double pneumatic tyres, also secured by means of the hooks 8. In the present case it is necessary to have a set of plates acting as hooks in the centre, which are provided for holding the inner beads of the two tyres.

For dismantling the track when it is constituted by a pneumatic tyre, it is only necessary to deflate it and withdraw it laterally, which is possible owing to the flexibility of the track for the rollers.

The double pneumatic tyres may also

be replaced by double solid or hollow tyres. Three or more tyres side by side arranged on the flexible endless track may be provided for heavier machines.

- 5 The hooks 8 are used not only to hold in place the detachable rolling track but also form an armour protecting the endless track, for instance on stony ground where the stones exceed in dimensions the height of the endless track above the ground.

10 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:—

- 15 1. A flexible endless track adapted to receive one or more detachable pneumatic or plastic tyres, in which transverse hooks

arranged at suitable distances apart, are 20 secured at either side of the outside part of the track, the hooks being used to secure the tyres to the track.

2. A flexible endless track according to Claim 1, in which the hooks afford protection to or form armour for, the endless track. 25

3. The flexible endless track substantially as described or substantially as illustrated in any of the views of the 30 accompanying drawings.

Dated this 30th day of December, 1926.

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Fig1.

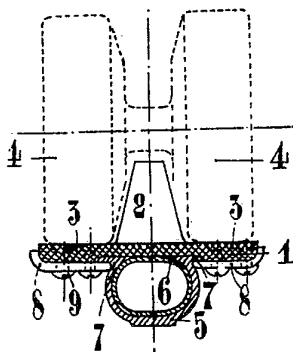


Fig. 2.

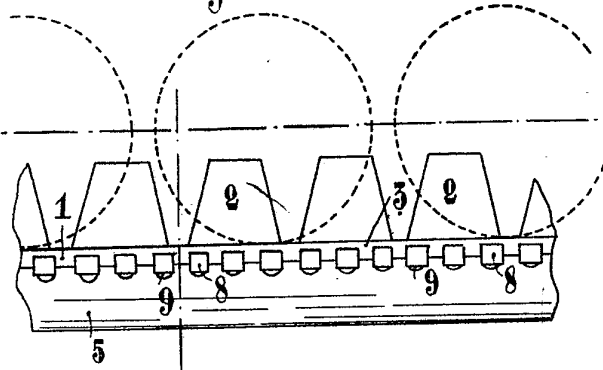


Fig. 5.

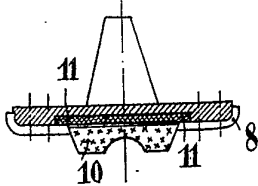


Fig. 3.

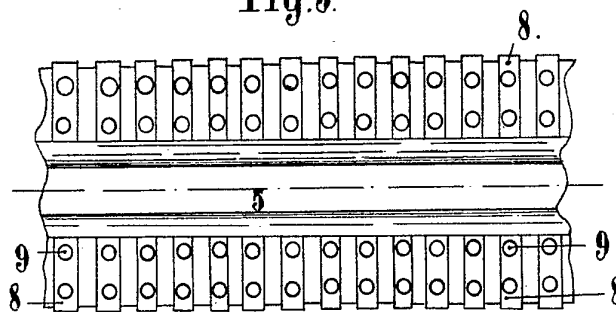


Fig. 6.

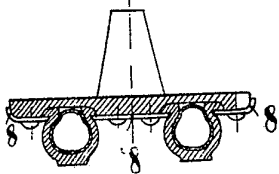
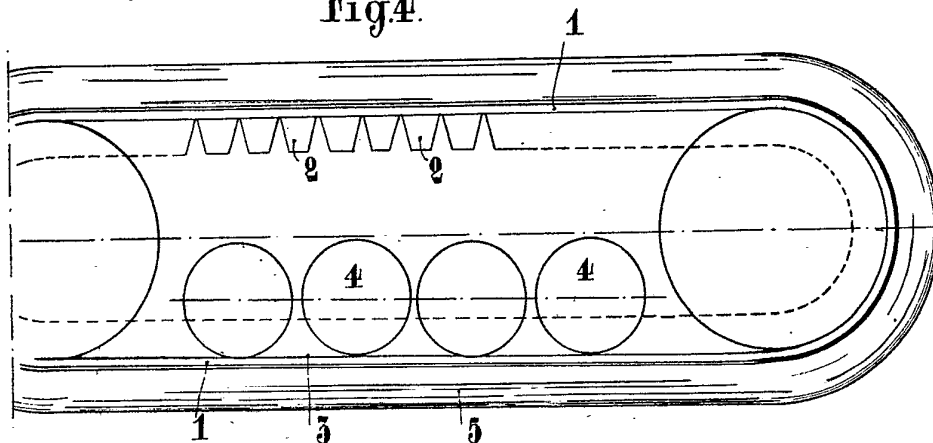


Fig. 4.



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