

PATENT SPECIFICATION



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355,624

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COMPLETE SPECIFICATION.

Improvements in or relating to Endless Track Driven 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 track vehicles and has for its object to provide an endless track driving and supporting gear of reduced dimensions, having at the same time as large a surface of contact with the ground as possible.

The present invention comprises the provision at each end of a main axle elastically secured to the frame, of an equalising lever distributing the load at the one end on one of the pulleys carrying the endless track and at the other end on a one or two roller bogie.

At one end of a lever pivoted to the frame of an endless track vehicle there has been mounted one of the pulleys driving the endless track and at the other end a two roller bogie, but in this case the bogie alone carried the load of the vehicle.

Two constructions of the invention are shown, by way of example, in the accompanying drawings.

Figure 1 is a view in diagrammatic elevation of the device with a two roller bogie.

Figure 2 is a similar view, wherein the two roller bogie is replaced by a single roller.

Figure 3 is a plan view of the device shown in Figure 1.

Throughout these figures, 1 represents the main axle of the endless track driving and supporting apparatus.

This axle 1 is secured to the frame in a known manner by means of longitudinal springs 2 (Figures 1 and 2).

Suitably shaped carrying equalising

levers 3 are articulated on each end of the axle 1. These equalising levers receive, at the end of their bigger arms, one of the endless track supporting pulleys 4 and at their other ends the two roller bogie 6 (Figures 1 and 3) or a single roller 7 (Figure 2) is or are articulated at 5.

The point of articulation of the equalising lever 3 on the axle 1 is selected so as to distribute the load suitably between one of the supporting pulleys 4 of the endless track and the roller or rollers 6 and 7.

A carrying arrangement is thus produced having a maximum surface of contact with the ground for an extremely reduced total length.

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. A supporting and driving gear for endless tracks characterised in that at each end of a main axle elastically secured to the frame, an equalising lever is mounted, distributing the load at the one end on one of the pulleys carrying the endless track and at the other end on a two roller bogie.

2. A device according to Claim 1, wherein the two roller bogie is replaced by a single roller.

3. A supporting and driving gear for endless tracks substantially as described or substantially as shown in Figures 1 and 3 or in Figure 2 of the accompanying drawings.

Dated this 22nd day of December, 1930

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Fig. 1.

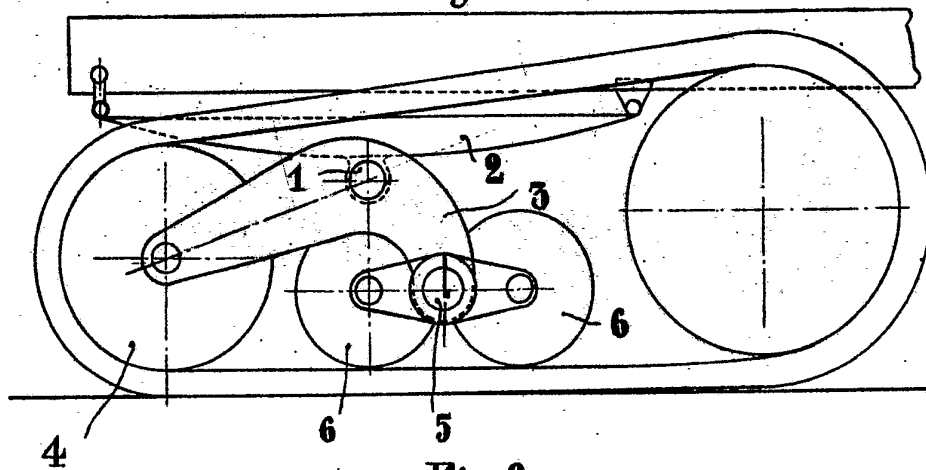


Fig. 2.

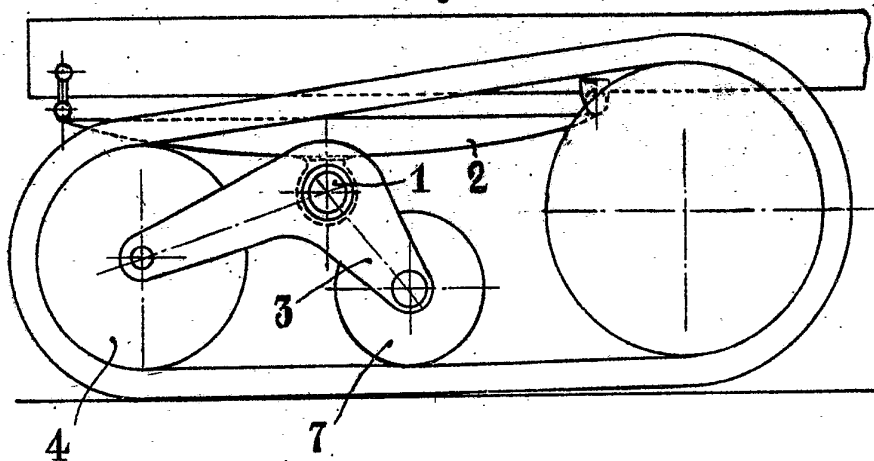
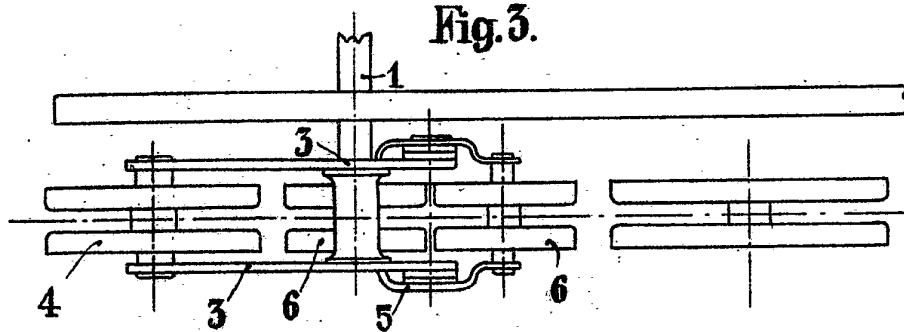


Fig. 3.



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