

PATENT SPECIFICATION



Convention Date (France): Jan. 16, 1922.

191,725

Application Date (in United Kingdom): Jan. 8, 1923. No. 638/23.

Complete Accepted: Dec. 13, 1923.

COMPLETE SPECIFICATION.

Improvements in or relating to Endless Track Vehicles.

I, ADOLPHE KEGRESSE, of 53, rue Balard, Paris, France, a citizen of the French Republic, 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 improvements in endless track vehicles of the kind described in Specification No. 127,322.

In internally guided resilient endless track devices in which the drive of the endless track is frictional, braking must be provided in such a way that any slipping of the endless track on the slowing down pulley is impossible. The object of this invention is to provide a braking device which will meet this requirement.

According to this invention in an endless track supporting pulley made in two parts, in which braking is obtained by the two parts of the pulley being brought close to one another, a device is provided which is adapted to brake by any desired means, a drum integral with the pulley, the two parts comprising inclined planes which, when one of the parts is braked, comes automatically into action for the purpose of bringing the two parts close to one another so as to tighten the guide of the endless track.

A construction according to the invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a sectional view;

Figure 2 is a side elevation of the brake.

On the slowing down pulley 1 (which constitutes with pulley 5 a complete endless track supporting pulley) is mounted the brake drum 2, and the ordinary brake shoes 3 operated by lever 4 bear against the inside of said drum.

Pulley 5 is connected to pulley 1 by a device comprising two circular inclined planes 6 one of which is secured at 7 by means of pulley 1 and the other at 8 to a member rigidly connected with pulley 5. When the vehicle is under way, if the brake is operated pulley 1 tends to slow down. Pulley 5, dragged by the endless track, tends to continue its movement which is counteracted by the inclined planes coming automatically into play and the effect of which is to bring the two pulleys close to one another so as to ensure perfect tightening of the endless track guide 9.

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:—

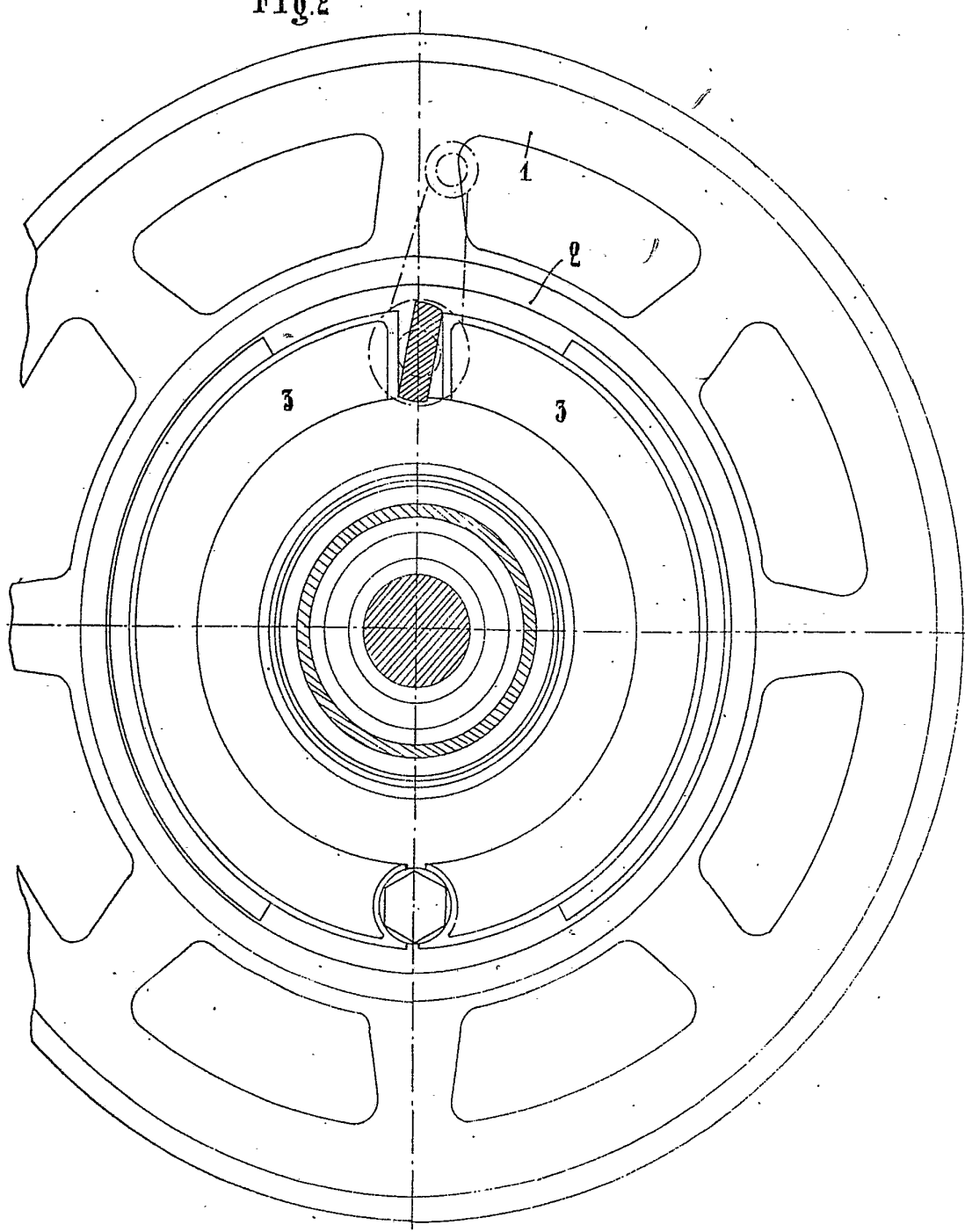
1. In an endless track supporting pulley made in two parts, in which braking is obtained by the two parts of the pulley being brought close to one another, a device adapted to brake by any desired means, a drum integral with the pulley, the two parts comprising inclined planes which, when one of the parts is braked, comes automatically into action for the purpose of bringing the two parts close to one another so as to tighten the guide of the endless track.

2. The mechanism for endless track vehicles substantially as described or substantially as illustrated in the accompanying drawings.

Dated this 8th day of January, 1922.

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Fig. 2



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

Fig. 1.

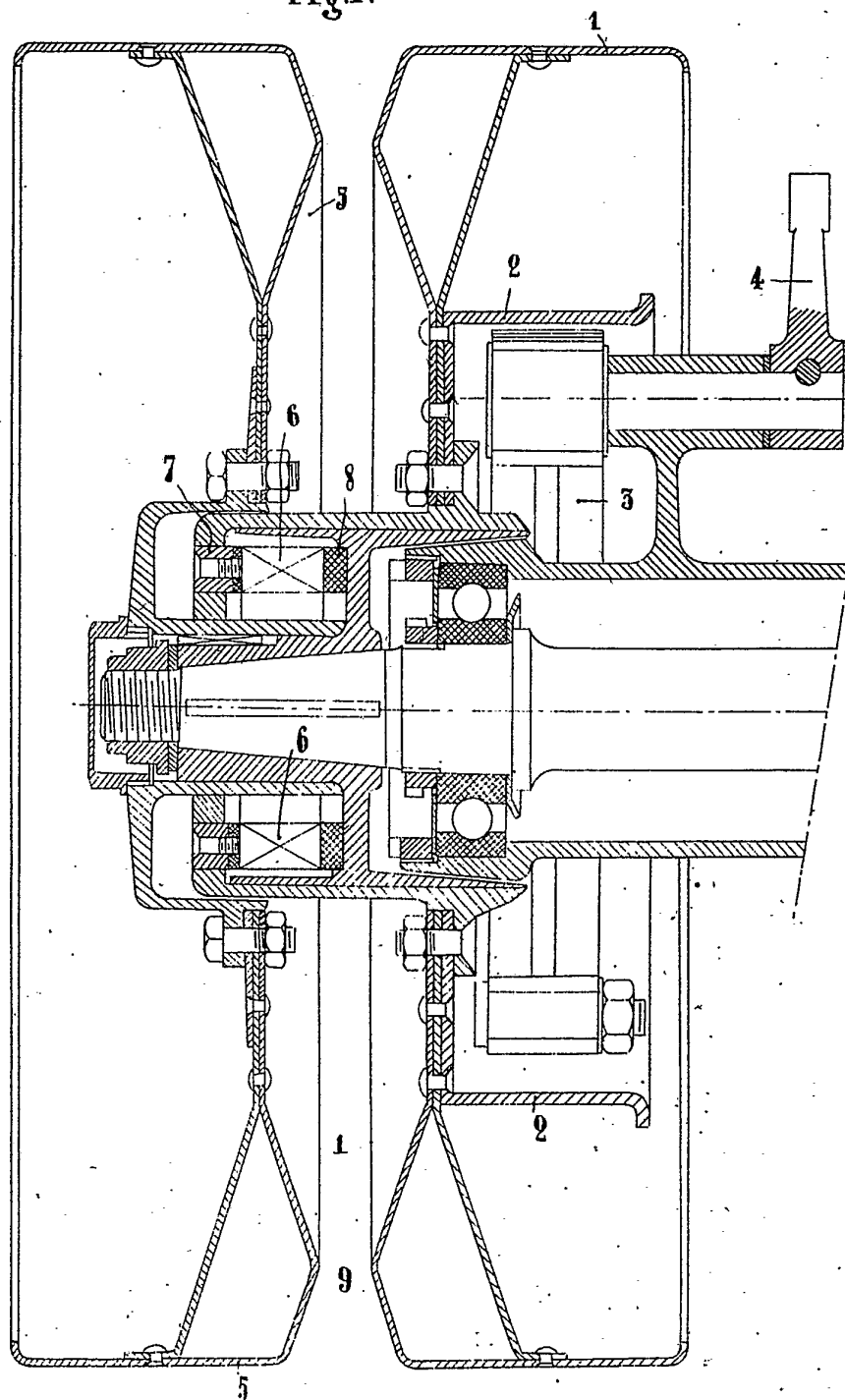


Fig. 2

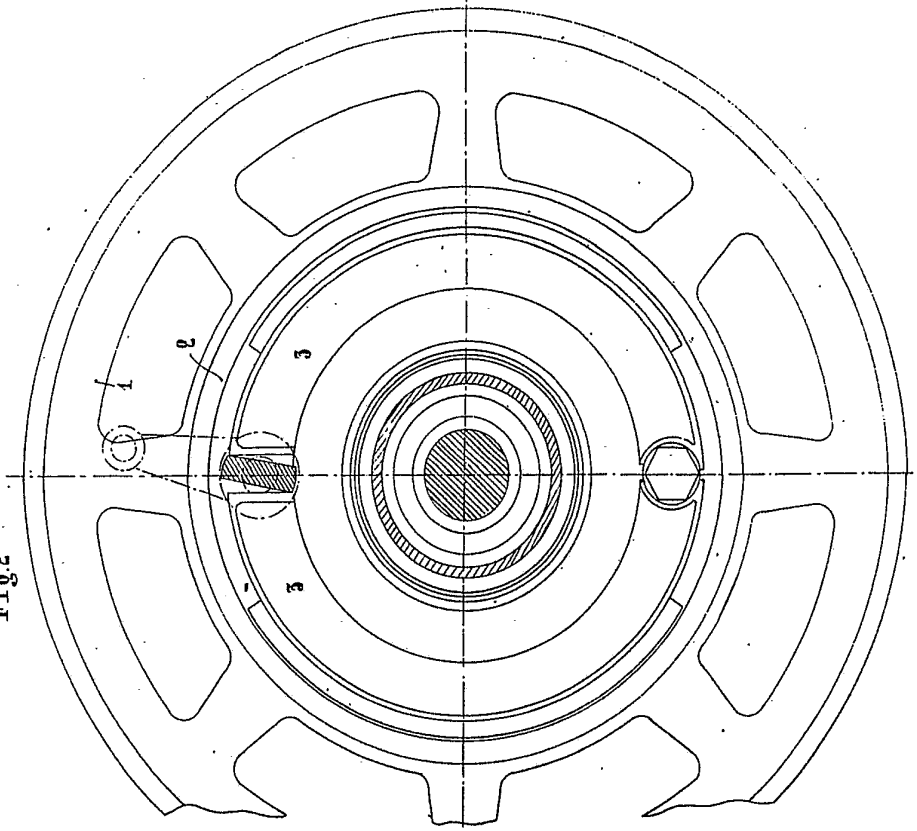
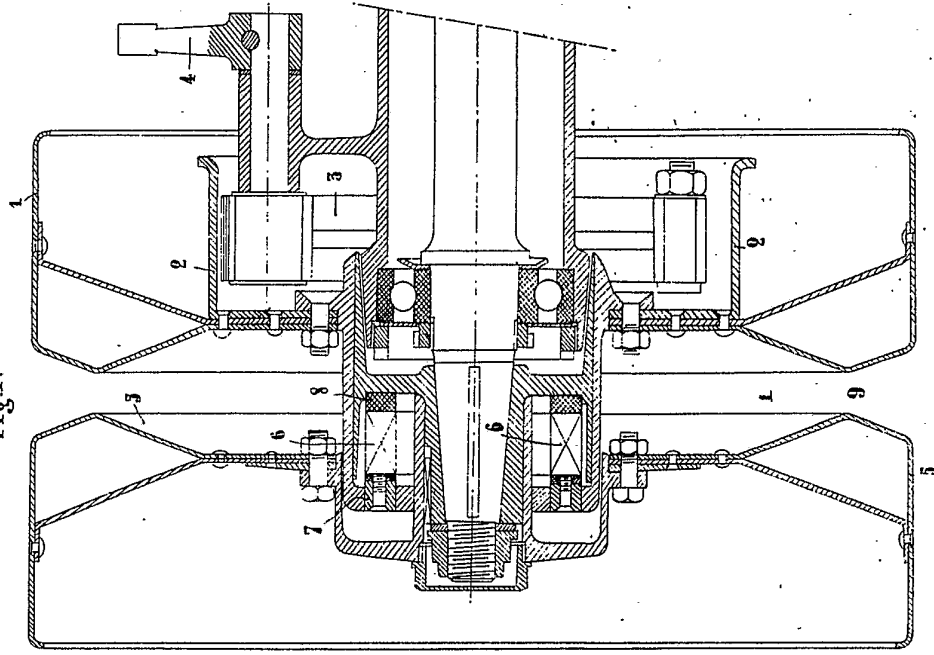


Fig. 1.



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