

# PATENT SPECIFICATION



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## COMPLETE SPECIFICATION.

### Improvements in or relating to Endless Track Vehicles.

I, ADOLPHE KEGRESSE, a citizen of the Republic of France, of 53, rue Balard, Paris, 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:—

In the Specification of British Patent No. 164,321 there is described a flexible belt for endless track motor and other vehicles and having a part on which the carrier rollers run and a part that travels along the ground.

The first part is constituted by superimposed strips or bands of india-rubber cloth; and the second part by blocks of semi-resilient material of any section suitable for the work they are intended to perform.

The objects of the present invention is to provide certain improvements in the belt which is the subject matter of the above-mentioned patent.

According to the present invention there is provided a carrier and driving endless band or belt, trapezoidal in section, and wherein:

(a) The smaller base serves as a tread for the rollers;

(b) The sides are utilised for driving; and

(c) The larger base, provided or not with hollows or recesses, is adapted to come into contact with the ground;

The said band or belt being constituted by two parts one of which, the tractor part, is formed of endless bands of india-rubbered cloth while the other part, coming into contact with the ground is formed of plastic material intimately joining the tractor part.

If desired, notches may be provided at intervals to facilitate the bending of the belt round the pulleys and to improve its grip on the ground.

In order to make the invention more

clearly understood an embodiment thereof is illustrated by way of example in the accompanying drawing, in which

Figure 1 is an elevation of the endless band or belt.

Figure 2 is a section thereof according to line 2—2 in Figure 1.

In both figures the same reference numerals denote the same parts.

As will be seen by referring to Figure 2 the band or belt is trapezoidal in section. A flat part 1 at the top serves as a tread for the carrier rollers while the sides 2 are adapted to engage a pulley having a profile corresponding to that of the band.

The base 3 comes into contact with the ground. The upper part of the band is constituted by flat pieces of canvas coated with gum, on which is grafted india-rubber serving as a tread for the band on the ground. The india-rubber part 5 may be of widely variable section, determined for the double purpose of reducing the band's weight and of offering along the ground a discontinuous surface, thereby increasing adherence particularly on soft grounds.

In the drawing on either side of the part 5 of the band are shown hollows or recesses intended to lighten the band's weight and better to grip the ground.

It is to be clearly understood that these hollows may be done away with or made of any other shape or form than the one shown in the drawing.

In order to facilitate the winding of the endless band round the guiding and driving pulleys, at intervals notches may be provided to render easier the bending of the band. Such notches are the more necessary the thicker is the tread.

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 carrier and driving endless band or belt, trapezoidal in section, and  
5 wherein:—  
 (a) The smaller base serves as a tread for the rollers;  
 (b) The sides are utilised for driving; and  
 10 (c) The larger base, provided or not with hollows or recesses, is adapted to come into contact with the ground;  
 15 the said band or belt being constituted by two parts one of which, the tractor part, is formed of endless bands of india-rubbered cloth while the other part, coming into contact with the ground is

formed of plastic material intimately joining the tractor part. 20

2. In an endless band or belt as claimed in Claim 1 notches provided at intervals to facilitate the bending of the belt round the pulleys and to improve its grip on the ground. 25

3. A carrier and driving endless band or belt substantially as described or substantially as illustrated in the accompanying drawing.

Dated this 22nd day of December, 1924. 30

ADOLPHE KEGRESSE,  
 Per Boulton, Wade & Tennant,  
 111 & 112, Hatton Garden, London,  
 E.C. 1,  
 Chartered Patent Agents. 35

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

