

PATENT SPECIFICATION



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250,273

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COMPLETE SPECIFICATION.

Improvements in or relating to Anti-skid Devices for Endless Track Vehicles.

I, ADOLPHE KEGRESSE, of 48, rue du Theatre, Paris, France, a citizen of the Republic of 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:—

Anti-skid devices at present employed with endless track vehicles are generally constituted by additional and removable parts or spikes secured by means of belts or other special contrivances on the endless track.

With wheeled vehicles spikes are also used as well as enwrapping chains the links of which interposed between the tyre and the ground, increase adherence thereto.

The spikes at present employed for endless tracks require a rather long time for fitting and for removal. Moreover, they cause the endless tracks to work in objectionable conditions.

On the other hand, on muddy ground and, chiefly, on clay, the mud or slime sticking to the tyres forms clots or cakes which, at times, fill up the spaces between the spikes, thereby limiting and, indeed, destroying the efficiency of the latter.

The object of the invention is to do away with these drawbacks by utilizing, as an adherence device, chains, cables, lines, ropes or the like, which, while ensuring proper adherence without straining the endless track itself, will automatically prevent mud from sticking on the tread.

The present invention comprises an anti-skid device for endless track vehicles, characterised in that longitudinal lines of suitable material, for instance chains, are arranged on the endless track, and are connected to one

another by cross bars which may be chains, cables, ropes or the like.

In order to make the invention more clearly understood an example is illustrated in the accompanying drawing, in which:

Figure 1 shows in elevation an endless track fitted with a device arranged according to the invention, and

Figure 2 is a plan view.

On a track 1 is mounted a device composed of two longitudinal lines 2 of suitable material (chains are shown on the drawing) and connected by a number of cross-bars 3, of chain, cable, rope or the like.

Said device is designed in such a way that the lines 2 have a developed length different from the length of the tread itself.

As will be readily realized, a relative motion must, in these conditions, take place between the anti-skid devices and the endless track proper.

The lines are carried along by the endless track and, since their development is less than the development of the latter, there must be unavoidably a relative shifting between cross-bars 3 and the endless track itself, the result being that said bars, shifting on the outer face of the endless track, effect a cleaning thereof.

Cleaning is operative principally on the upper span where resistance is at a minimum, the cross-bars not being forced thereon by the vehicle load.

Furthermore, the fact that all the cross-bars are connected with the longitudinal lines has the effect of distributing the strain over the whole length or span of lines 2, and, consequently, said lines are in contact with the endless track over the whole length of the latter.

[Price 1/-]

Lastly, the device offers the further advantage of relieving the endless track, since, owing to the traction or pull exerted, the chains force the endless track against the driving pulleys, thereby increasing the adherence of the endless track to said pulleys, and thus permitting maximum stress to be developed when required without any slipping and without unduly tensioning the endless track.

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:—

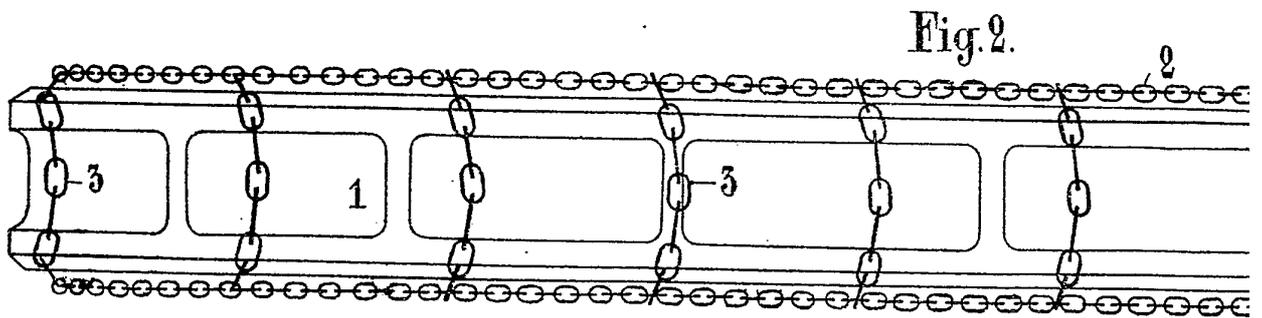
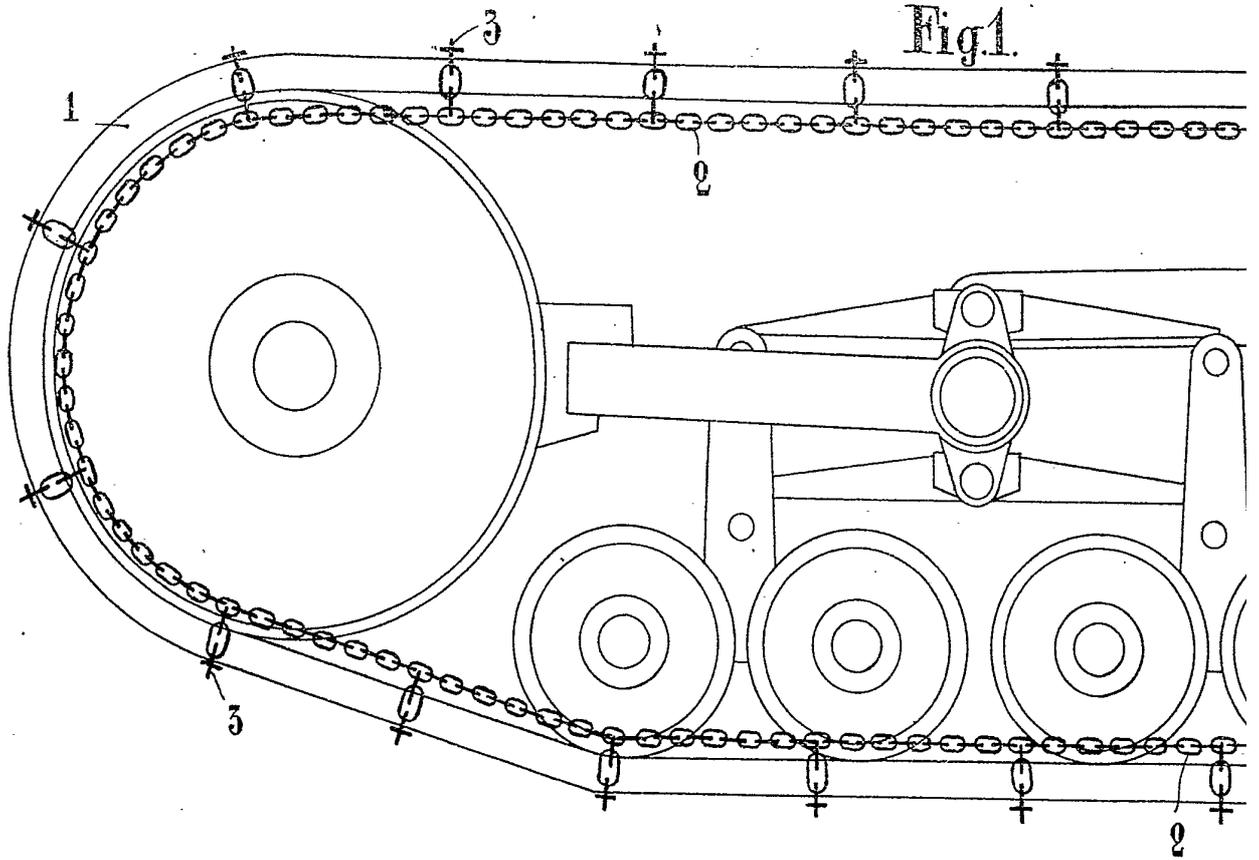
1. An anti-skid device for endless track

vehicles, characterised in that longitudinal lines of suitable material, for instance chains, are arranged on the endless track, and are connected to one another by cross bars which may be chains, cables, ropes or the like. 20

2. The anti-skid device for endless track vehicles, substantially as described or substantially as illustrated in the accompanying drawing. 25

Dated this 6th day of April, 1926.

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Chartered Patent Agents. 30



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

Fig. 1.

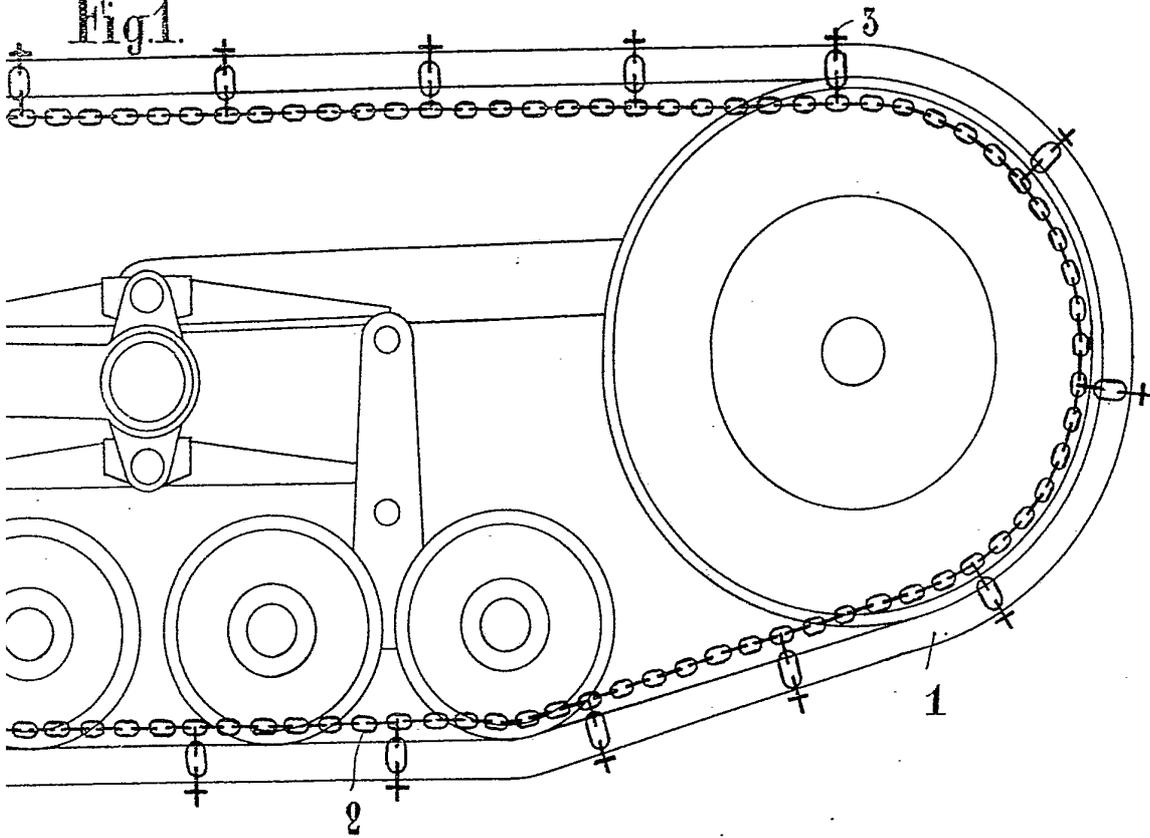
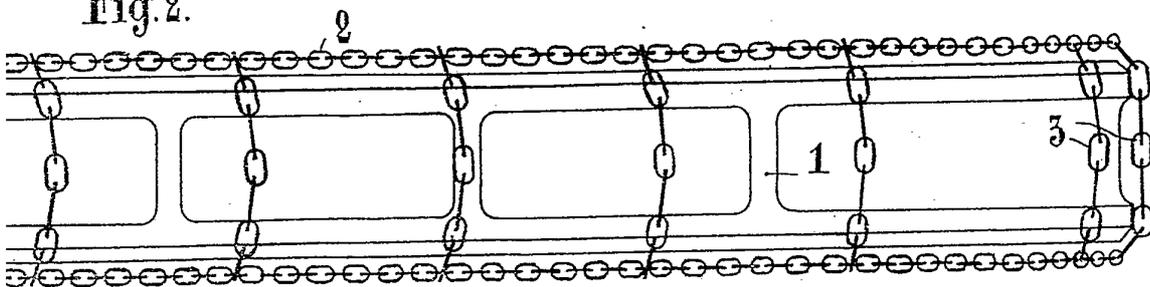


Fig. 2.



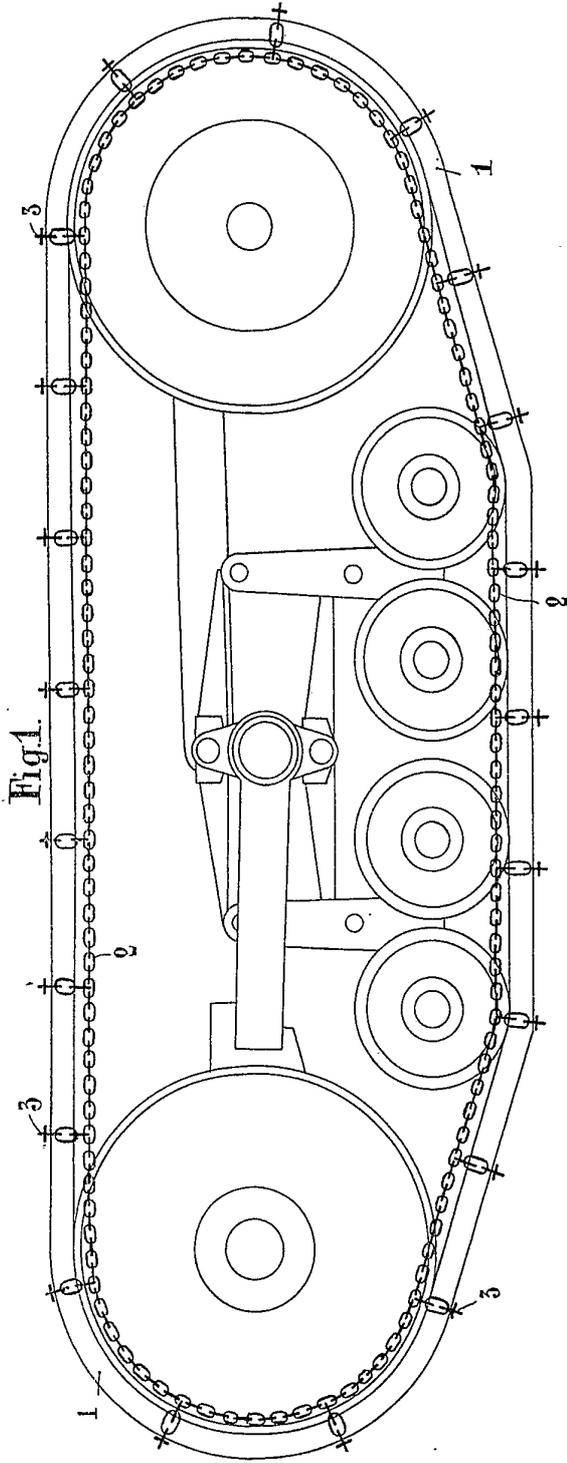


Fig. 1.

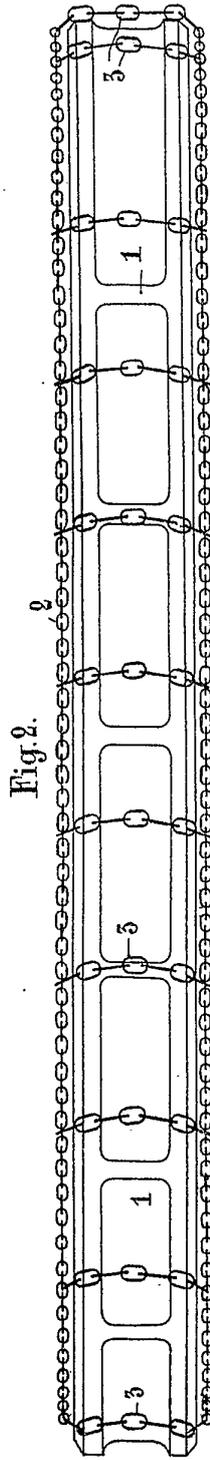


Fig. 2.

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