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(54)	REMOVABLE CREEPER FOR CATERPILLARS			(57)	Abstract:		
(54)	GRAPPIN AMOVIBLE DE CHENILLE						

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With vehicles propelled by metal caterpillars the practice, in order to increase the grip on slippery grounds, is to use creepers or spikes secured by means of bolts or screws directly to the caterpillars' runners themselves.-

In order to be fitted with such creepers, caterpillars made of some tough material, of rubberized linen for instance, would require holes for letting the bolts through, and these holes seem hardly permissible owing to the serious drawbacks which they would involve: weakening of the tread, inadequate hardness of the material serving as a basis etc. etc.

The object of my invention is to provide a creeper device for tough treads of mechanical vehicles and, in order to make my invention more clearly understood, I have illustrated, as an example, an embodiment thereof in and by a drawing appended hereto and wherein ;

Figure 1 is an elevation of a device designed according to my invention;

Figure 2 is a plane view of the same and

Figure 3 is a section thereof along line A-B of figure 2.

The characteristics of my invention consist:

1rst) in the fact that the said creeper made of but little thick steel carries a base 1 (figures 1, 2 and 3) which fits exactly on the outer ribs of the endless belt's tread while protruding on either side of the latter, thus affording a strong base to the gripping ribs 2 in one

4
piece with base 1. -

2nd) in the securing device which is obtained by two lugs 3 (figures 1 and 3) which, by means of pins and nuts 4, pinch or clamp the tough caterpillar between themselves and base 1. Lugs 3 are bevelled on their outer face so as to ensure continuous rolling of the rollers on the inner face of the endless belt. On the other hand, said lugs 3 have their outer end terminated by a tenon 5 (figures 1 and 2) which fits into an opening provided for this purpose in base 1 so as to prevent them from rotating.

Obviously the design of the caterpillar's tread may be varied without altering in any way the essentials of my invention.

Having now particularly ascertained and described the nature of my said invention as well as the manner in which the same is to be performed, I declare that what I claim is :--

1.

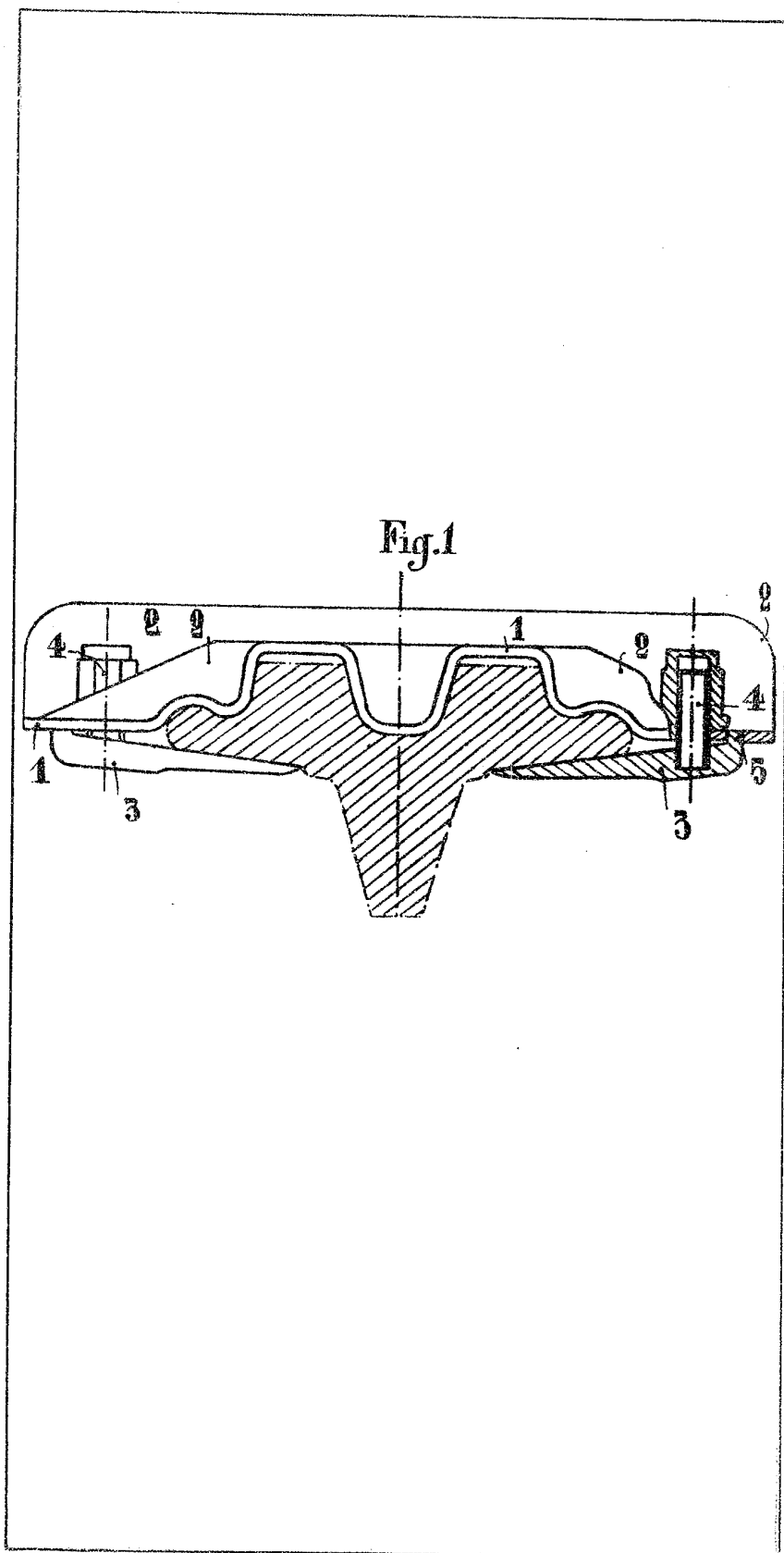
A creeper for tough caterpillars comprising an endless tread belt having ribs, a base made of thin steel and provided with gripping ribs, said base fitting exactly on the ribs of the endless tread belt and protruding on either side of the latter, thereby affording a strong base for the aforesaid gripping ribs, and means for securing the base to the tread belt.

2. A

A creeper as per claim 1, said securing means consisting of lugs and pins for clamping the lugs to the edges of the endless tread belt,

3.

A creeper for tough caterpillars as per claim 1, said securing means consisting of lugs bevelled on their outer faces so as to ensure continuous rolling of the rollers on the inner face of the endless belt, said lugs having their ends terminated by a tenon which fits into the corresponding openings made in the base for the purpose of preventing the said lugs from rotating.



In presence of
A. Robit
 Certified to be the drawing referred to
 in the specification hereunto annexed.
 Montreal, AUG 13 1924

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Fig. 2

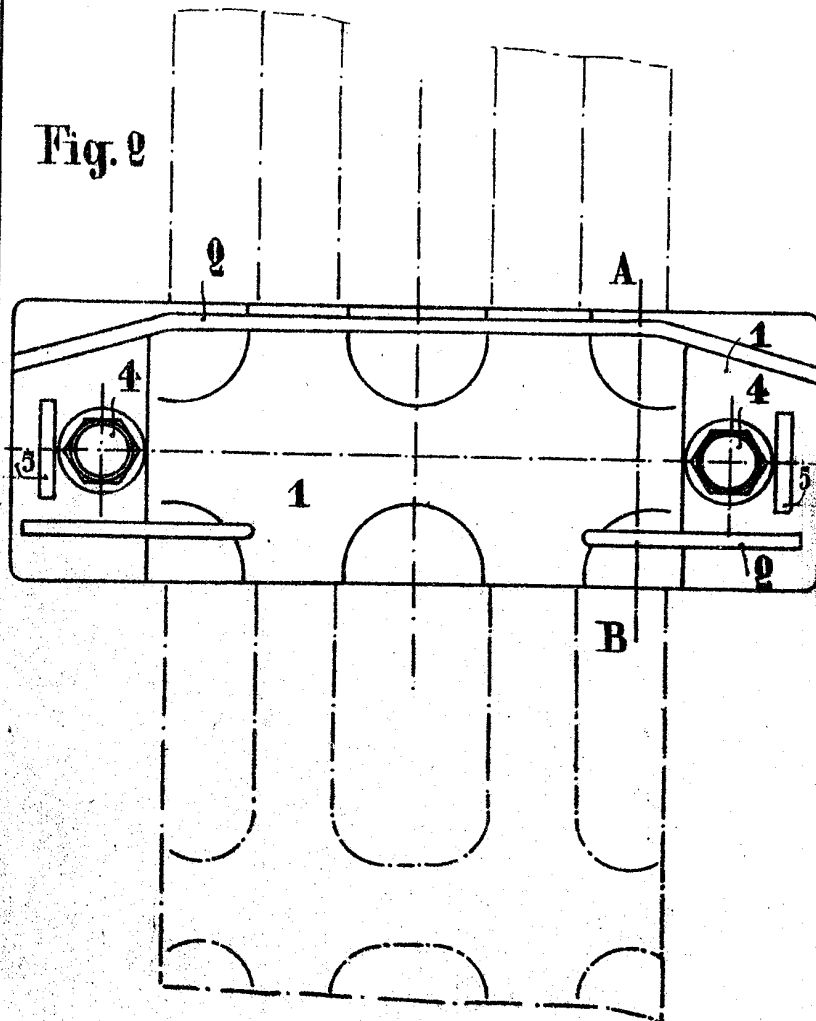
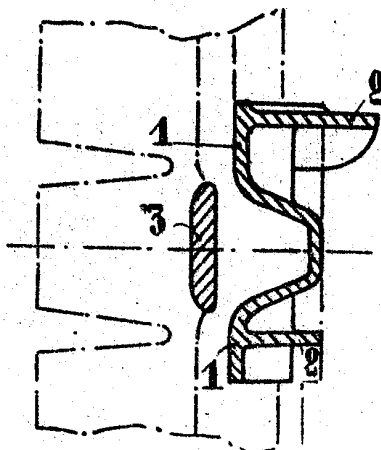


Fig. 3



In presence of

A. Darchan
A. Robin

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in the specification hereunto annexed,
Montreal, AUG 13 1924

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