June 19, 1923. 1,459,690

G. E. PERRY

BELTING

Filed May 20, 1922

Fig. 1.

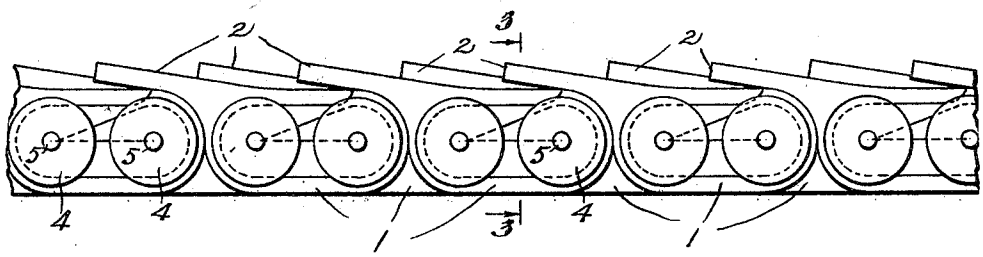


Fig. 2.

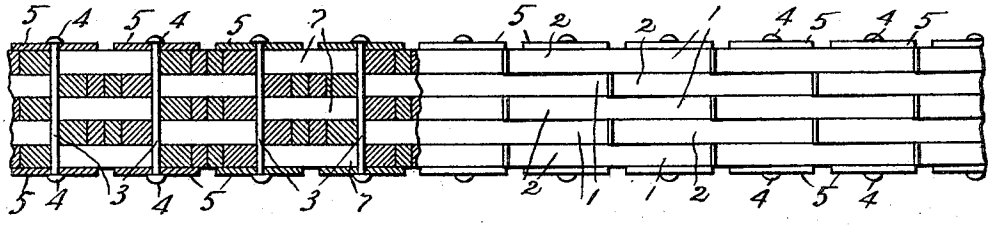


Fig. 3.

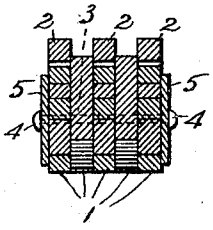


Fig. 4.

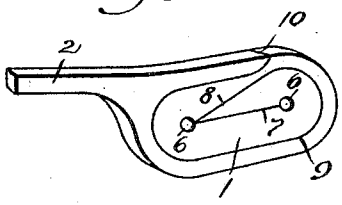
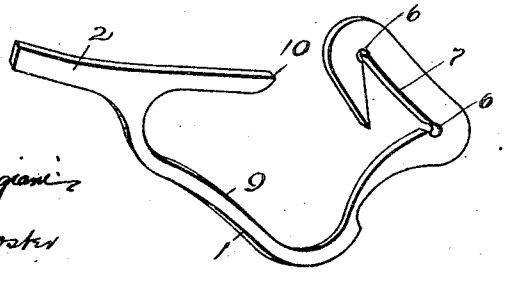


Fig. 5.



WITNESSES

Frank J. Faggioni

A. W. Foster

INVENTOR

GEORGE E. PERRY

BY Munn & Co

ATTORNEYS

Patented June 19, 1923. 1,459,690

UNITED STATES PATENT OFFICE.

GEORGE E. PERRY, OF LINCOLN, MAINE.

BELTING.

Application filed May 20, 1922. Serial No. 562,365.

To all whom it may concern:

Be it known that I, GEORGE E. PERRY, a citizen of the United States, and a resident of Lincoln, in the county of Penobscot and State of Maine, have invented a new and Improved Belting, of which the following is a full, clear, and exact description.

This invention relates to improvements in belting and more particularly to link belting, an object of the invention being to provide an improved construction and arrangement of flexible links such as leather and the like, in combination with coupling pins which permit an easy removal or replacement of worn or injured links without the employment of tools or skilled labor, as the manipulation of the links can be performed by simply using the hands.

A further object is to provide an improved construction of belting which enables the user to carry a few extra links and repair his belt at any place along the road without the necessity of proceeding to a garage or repair shop.

While my improved belting is especially adapted for use as a driving means for the fan of a motor vehicle, it is capable of a wide range of utility, as the belt may be made of any desired length or width with uniform links so that replacement of links is facilitated.

With these and other objects in view, the invention consists in certain novel features of construction and combinations, and arrangement of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a view in side elevation of a portion of my improved belt.

Figure 2 is a view partly in plan and partly in longitudinal transverse section.

Figure 3 is a view in transverse section on the line 3—3, of Figure 1.

Figure 4 is a perspective view of one of my improved links.

Figure 5 is a perspective view showing the link open or extended.

My improved belting is formed from links 1 each link having at one end a tongue 2, which over-laps the adjacent link, and as all of the links are precisely alike, the description of one will apply to all.

The links 1, are alternately staggered and connected by coupling pins 3, said pins 3 having heads 4 at their outer ends and provided with washers 5, located against the head 4.

Each link 1, is of leather or other suitable flexible material and is provided with a pair of pin receiving openings 6 spaced the desired distance apart. These openings 6 are connected by straight slit 7, and one of the openings 6 communicates with a diagonal slit 8, which extends to a point near the outer edge of the link, and then extends around the link substantially parallel with its outer edge as shown at 9, and at the upper or outer portion of the link, is parallel with said edge and then takes a sharp outward curve to the edge of the link, forming a pin receiving entrance, or exit 10.

By reason of this arrangement of slits in the link, a passage-way is provided for the entrance of the pin 3, or as a matter of fact, for the entrance of both pins to which the link is connected.

In positioning a link on the pins, the link is spread open and I have illustrated in Figure 5 an exaggerated position of this open, or spread link, showing how the same may be expanded for the reception of the coupling pins and to position the link on the pins without disturbing other links.

It will thus be noted that with my improved construction, any link 1 or any number of such links 1, can be removed and replaced by simply using the hands, either to repair the belting or to lengthen or shorten the same, and I therefore provide a belting which is capable of quick repair, as it is only necessary for the owner to have extra links in stock to enable him to repair the belting at any time or place.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A link for belting formed of flexible material, each link having spaced openings and provided with a slit connecting the openings and with another slit leading from one of the openings around said openings and extending out through one edge of the link.

2. A link for belting formed of flexible material, each link comprising a body and a

tongue projecting therefrom, the body having spaced openings and provided with a slit connecting the openings and with another slit leading from one of the openings around said openings and extending out through the outer edge of the body.

3. A belting, comprising coupling pins and flexible links, said links arranged in staggered form and each link having pin receiving openings therein, a slit connecting the openings and another slit leading from one of the openings out through the outer edge of the link.

4. A belting, comprising coupling pins and flexible links, said links arranged in staggered form and each link having pin receiving openings therein, a slit connecting the openings and another slit leading from one of the openings out through the outer edge of the link, and a tongue on one end of each link overlapping the adjacent longitudinal link.

5. A belting, embodying flexible links and coupling pins, each link having a pair of pin receiving openings spaced apart and a slit connecting said openings, said link also having a slit communicating with one of the openings extending around the openings adjacent to the edge of the link and extending out through the edge of the link constituting a pin entrance.

GEORGE E. PERRY.