

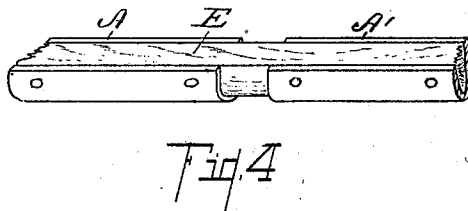
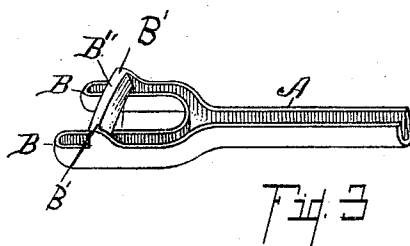
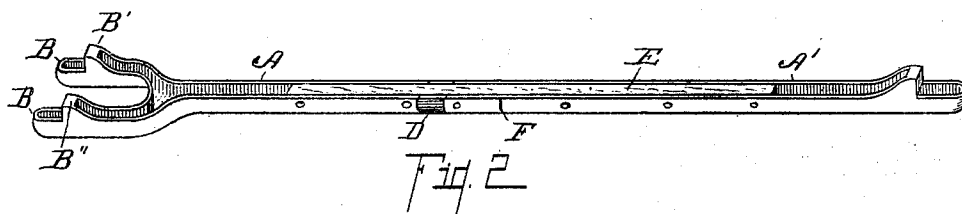
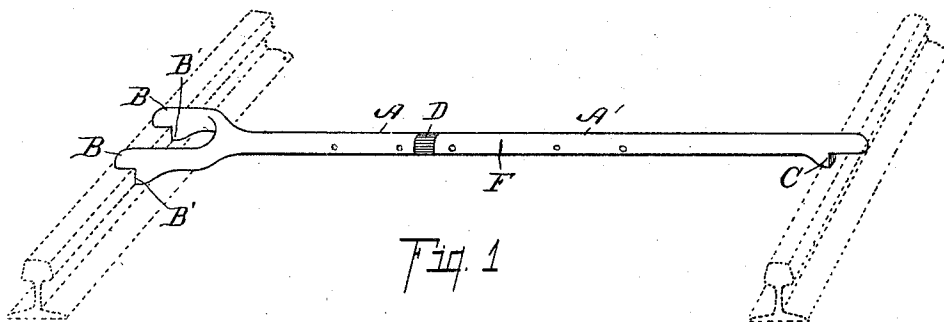
No. 645,087.

Patented Mar. 13, 1900.

J. D. GREEN.
TRACK GAGE.

(Application filed May 27, 1899.)

(No Model.)



Witnesses:

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Inventor,

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Att'y.

UNITED STATES PATENT OFFICE.

JOHN D. GREEN, OF TOLEDO, OHIO, ASSIGNOR TO WARREN J. WILLITS AND
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TRACK-GAGE.

SPECIFICATION forming part of Letters Patent No. 645,087, dated March 13, 1900.

Application filed May 27, 1899, Serial No. 718,608. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. GREEN, a citizen of the United States, residing at the city of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Track-Gages, of which the following is a specification.

This invention relates to improvements in track-gages.

One object of this invention is to produce a simple and efficient track-gage which is very light in weight, very strong, and in which there is a suitable insulation between the ends, so that it can be used on electric railways as well as in any other position.

A further object is to produce a strong and efficient track-gage which is formed of sheet metal, thereby securing a light-weight metallic gage which is artistic in appearance.

I accomplish the objects of my invention by the devices and means described in this specification.

The invention is definitely pointed out in the claims.

The structure is fully illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a view of my improved track-gage in position between a pair of rails of a railway-track, the rails being shown in dotted lines only. Fig. 2 is an inverted perspective view of the gage, which shows its structure. Fig. 3 is a detail view of the forked end of the gage when provided with a curved bearing-piece. Fig. 4 is an enlarged detail view showing the structure of the central portion of the gage.

In the drawings similar letters of reference refer to similar parts throughout the several views.

A A' shows a sheet-metal shell which is formed out of sheet metal, which is U-shaped in cross-section, the curved portion being up when in use. The portion A is made with forks B B' at its outer end, on which are lugs or projections B' B' to rest against the rail of the track. The portion A' is also formed hollow and U-shaped in cross-section and has a

projecting shoulder C, which rests against the opposite rail of the track. These two pieces 50 are connected together by a block of wood E, fitting into the hollow under side of the same. This serves to stiffen what would otherwise be a long slender bar of sheet metal and prevents the same from being bruised or de- 55 formed. The ends of the parts A A' are separated in practice about one inch, and as the wood E is an insulation it is readily understood that the two ends A A' are insulated from each other. I put a band of leather D 60 between the parts A A' and secure it to the wood E by any suitable and convenient means. This leather prevents easy electrical connection between the two ends. A center-mark F is on the side of the gage. 65

In Fig. 3 I show my improved gage with a curved bar B'', connecting the projecting portions B', the curve of the bar B'' being on a radius having the shoulder C as its center, the advantage of which in gaging a track is 70 obvious and well known.

When it is not desired to insulate the parts of my improved gage, the whole can be formed of a single piece of sheet metal, and this can be stiffened by a block of wood, as I have 75 illustrated. However, it is of decided advantage to insulate the ends and is very easily accomplished in this connection.

Having thus described my invention, what I claim as new, and desire to secure by Letters 80 Patent, is—

1. A railway-gage of sheet metal, U-shaped in cross-section, forked at B, B, said forks having shoulders B' B' joined together by cross-piece, B'', a shoulder C at the other end, and 85 a block fitting into the hollow portion to which the sheet-metal shell is secured, substantially as shown and described.

2. In a railway-gage made up of sections A, A', formed of sheet metal, U-shaped in 90 cross-section and a block E, fitting into the hollow side of the same and holding the sections a little separated so that they shall be insulated from each other, for the purpose specified.

3. A railway-gage of sheet metal made up 95

of a section A, which is forked at B, B, on its
outer end having gage shoulders or blocks
thereon, and a section A', having a gage-
shoulder C, at its outer end and a block rest-
5 ing within the hollow side to retain the parts
in their appropriate positions, for the purpose
specified.

In witness whereof I have hereunto set my
hand and seal in the presence of two witnesses.

JOHN D. GREEN. [L. S.]

Witnesses:

KING KELLEY,
A. W. ECKERT.