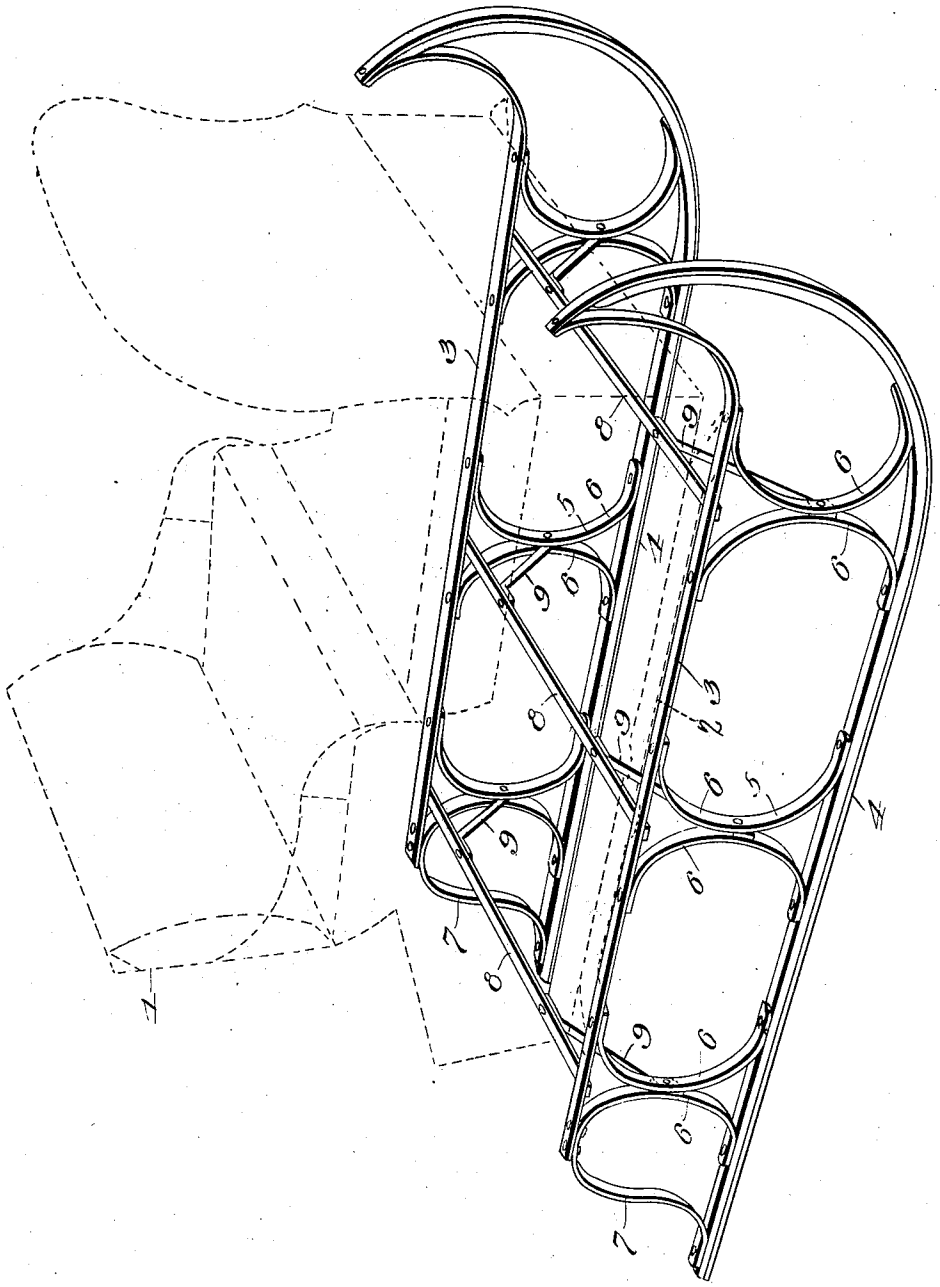
No. 742,485. PATENTED OCT. 27, 1903.

E. PERRY.

SLEIGH RUNNER.

APPLICATION FILED MAR. 11, 1903.

NO MODEL.



Witnesses
E. Hollenbeck
F. S. Elmore

Edgar Perry
by C. A. Snow & Co
Attorneys

Inventor.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 742,485. Patented October 27, 1903.

UNITED STATES PATENT OFFICE.

EDGAR PERRY, OF CARIBOU, MAINE.

SLEIGH-RUNNER.

SPECIFICATION forming part of Letters Patent No. 742,485, dated October 27, 1903.

Application filed March 11, 1903. Serial No. 147,304. (No model.)

To all whom it may concern:

Be it known that I, EDGAR PERRY, a citizen of the United States, residing at Caribou, in the county of Aroostook and State of Maine, have invented a new and useful Sleigh-Runner, of which the following is a specification.

My invention relates to sleigh-runners, and has for its objects to produce a device of this character which will be simple of construction, comparatively inexpensive to manufacture, strong, and durable and one which in practice will be very resilient and springy, thus insuring a smooth even movement of the sleigh-body during the passage of the vehicle over surface irregularities.

To these ends the invention comprises the details of construction and combination of parts more fully hereinafter described.

In the accompanying drawing the figure is a perspective view of my improved sleigh-runner, showing in dotted lines a sleigh-body applied thereto.

Referring to the drawing, 1 indicates the sleigh-body, provided, preferably, with side bars 2. These parts may be of any suitable or desired construction and material, inasmuch as they constitute no part of the present invention.

My improved runner comprises a horizontal top bar 3, of spring-steel, secured in any suitable manner to the side bar of the sleigh and curved at its forward end outwardly and upwardly, a bottom runner-bar 4, curved at its forward end upwardly and outwardly and bolted at its terminal to the front end of the top bar 3, and intermediate vertically-disposed standards or braces 5. The standards or braces each comprise two substantially C-shaped members 6, of spring-steel or other suitable spring metal. These members are riveted together at their centers and curve outwardly from each other with their terminals bolted or otherwise secured, respectively, to the top bar 3 and runner-bar 4. The runner-bar at its rear end extends rearward some distance beyond the top bar and is connected to the latter by means of an S-shaped brace 7, composed of spring-steel and bolted at its terminals, respectively, to the bars.

The two runners of the sleigh are connected by horizontal transverse bars 8, bolted at their ends to the top bars 3 of the runners. There are three of these transverse bars, arranged one over each of the vertical centers of the braces or standards 5 and connected to the latter by a diagonal brace 9, connected at one end to the transverse bar and at its outer end to the standard 5. It is to be noted that the outer end of the brace 9 is seated between the members 6 of the brace and is secured in place by the rivet which unites them at their center.

From the foregoing description it will be seen that I produce a sleigh-runner which will be very springy and elastic, thus imparting to the body of the vehicle an easy pleasant motion and one that will be strong and durable and in which the pair of runners are securely braced and strengthened one from the other. In attaining these ends I do not limit or confine myself to the precise details herein shown and described, as various minor changes may be made therein without departing from the spirit of my invention.

Having thus described my invention, what I claim is—

In a device of the class described, the combination with a top bar, of a runner-bar, and braces or standards connecting the same, said braces each comprising two substantially C-shaped spring-metal members riveted together at their center and curving outwardly from each other and having their terminals secured to the top and runner bars respectively.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDGAR PERRY.

Witnesses:
R. F. GARDNER,
C. C. KING.