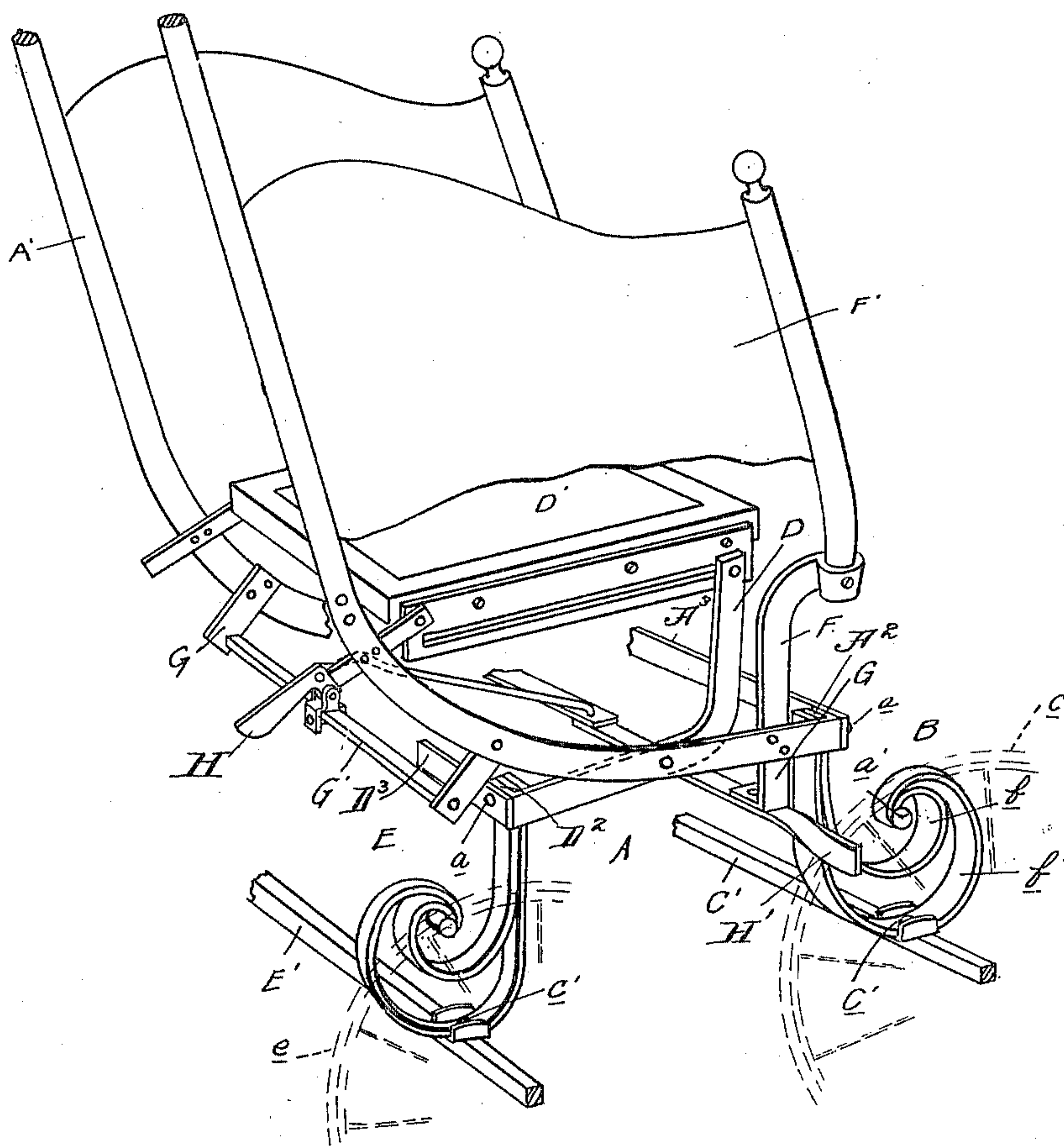


No. 821,472.

PATENTED MAY 22, 1906.

W. DIEMER.
SPRING FOR CHILDREN'S CARRIAGES.

APPLICATION FILED OCT. 7, 1905.



WITNESSES

~~Edward D. Hunt.~~
James P. Barry.

INVENTOR
WILLIAM DIEMER.

BY

James Whittemore

ATTY.

UNITED STATES PATENT OFFICE.

WILLIAM DIEMER, OF TOLEDO, OHIO, ASSIGNOR TO GENDRON WHEEL COMPANY, OF TOLEDO, OHIO, A CORPORATION OF OHIO.

SPRING FOR CHILDREN'S CARRIAGES.

No. 821,472.

Specification of Letters Patent.

Patented May 22, 1906.

Application filed October 7, 1905. Serial No. 281,723.

To all whom it may concern:

Be it known that I, WILLIAM DIEMER, a citizen of the United States of America, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Springs for Children's Carriages, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to new and useful improvements in springs, and particularly in the type of springs used on children's carriages and other light vehicles.

The invention consists in a novel construction and combination of parts, as will be more fully hereinafter described, and set forth in the claims.

In the drawing I have shown a perspective view of a child's carriage embodying my invention.

A is a push-frame of any suitable form having a suitable handle-bar A' at the upper end and wheels c at the lower end, secured to the frame through the medium of springs B and axles C'. The springs B are formed of two or more C-springs b and b', having one end of each secured to each other and to the frame by any suitable means, preferably by a bolt or rivet a, and their free ends rolled and secured together by the bolt a'. The C-springs are of different lengths and radii, and one of them, preferably the longer or lower, is secured to the axle C' by means of the rivet c'.

Pivoted on the push-frame A is the seat-frame D, carrying the seat D', and to the rear corners of this frame D are secured springs E, attached to axles E' and wheels e. The springs E are of the same construction as the springs B and are secured to the axle E' and frame D in a similar manner.

Secured to the frame A are brackets F for holding the lower ends of the arms F', which are secured to the upper portions of the frame A. Mounted in depending brackets G on the frame A is a cross-bar G', carrying the brake-actuating means H, and the brakes H'

are pivoted on depending portions of the brackets F, as shown in the drawing. As these features are not a part of this invention, I will not further describe them, and although the child's carriage I have shown is of the folding type it is obvious that the springs could be used on any form of child's carriage without departing from the scope of my invention.

The side-bars of the seat-frame D and push-frame A have their lower ends bent laterally at right angles to form arms D² and A², respectively. These bent ends connect with the rear and front cross-bars D³ and A³, respectively, and the ends of the C-springs are secured in the angles. The rivets a thus serve to secure the springs, the frame, and the cross-bar all together.

What I claim as my invention is—

1. In a child's carriage, the combination with a push-frame and a front axle connected thereto, of a seat-frame pivoted on said push-frame and having its lower ends bent laterally to form an angle, a rear axle, springs comprising pairs of C-springs, each pair being secured together at one end and attached to said rear axle at an intermediate point on one of said C-springs, and means for securing the other ends of each pair together and to the angled ends of said seat-frame.

2. In a child's carriage, the combination with frames secured together and having their lower ends bent laterally, of front and rear axles and springs comprising pairs of C-springs, each pair being secured together at their ends and secured to one of said axles at an intermediate point on one of the springs, one end of each pair of springs being secured to the angled end of one of said frames, for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM DIEMER.

Witnesses:

J. F. VEGOL,
SAM J. NESTER.