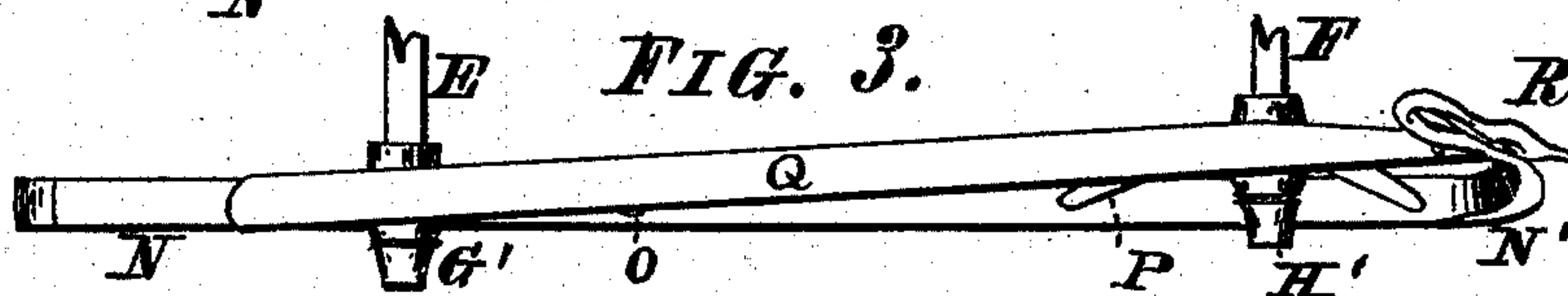
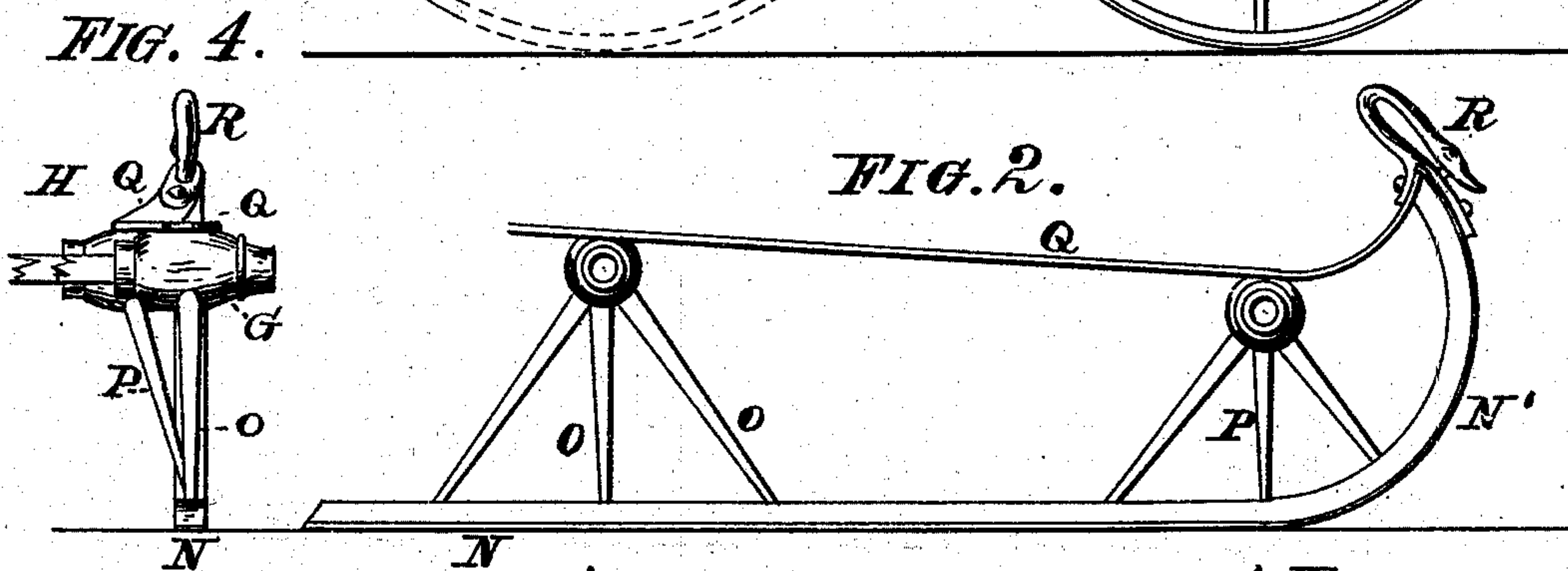
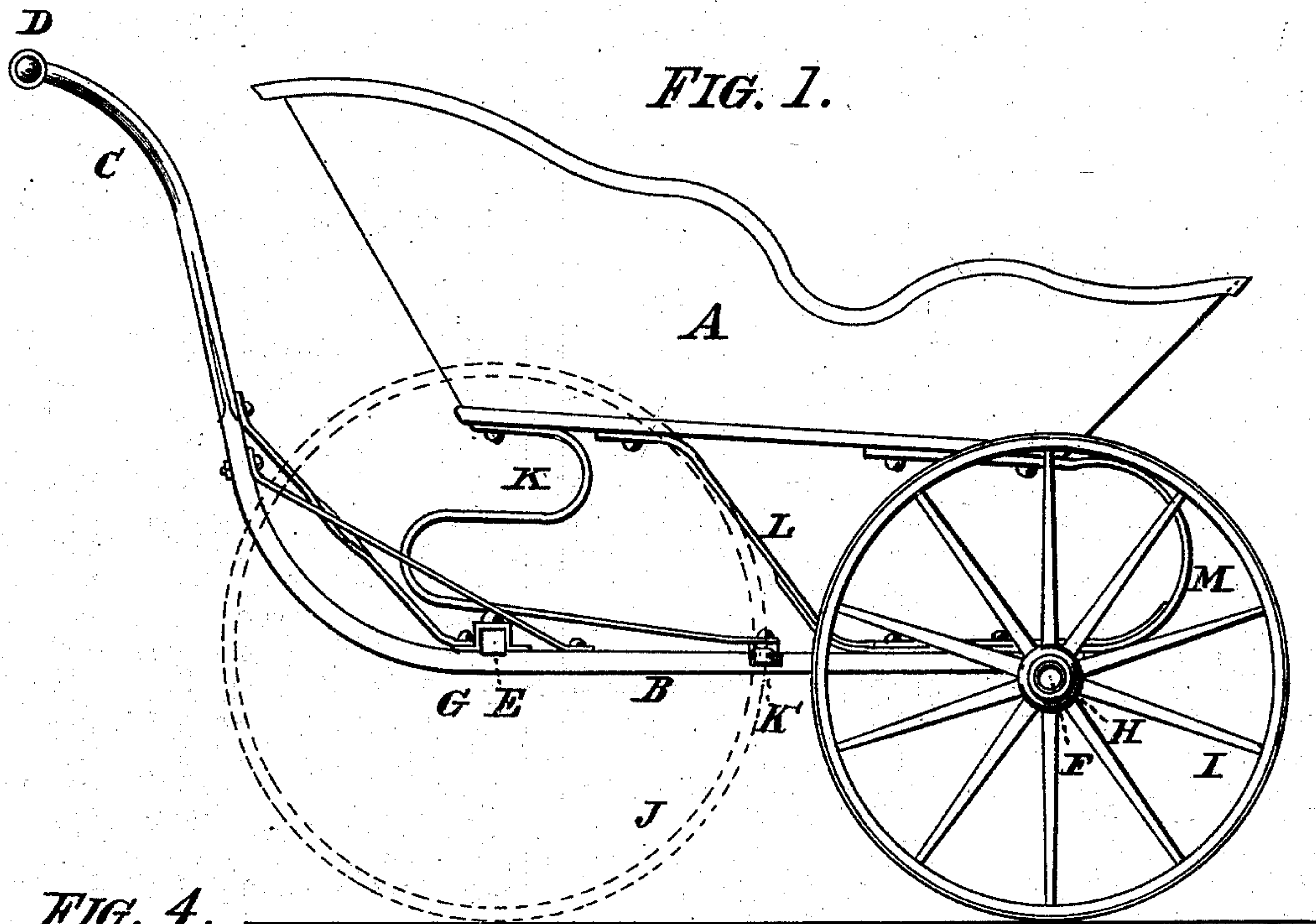


(No Model.)

C. PFEFFER.
CHILD'S CARRIAGE.

No. 249,203.

Patented Nov. 8, 1881.



Witnesses:

Willie O. Stark
Al. Stark

Inventor:

Christian Pfeffer,
by Michael P. Stark,
Attorney.

UNITED STATES PATENT OFFICE.

CHRISTIAN PFEFFER, OF BUFFALO, NEW YORK.

CHILD'S CARRIAGE.

SPECIFICATION forming part of Letters Patent No. 249,203, dated November 8, 1881.

Application filed August 24, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN PFEFFER, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements on a Child's Carriage; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has general reference to a new and improved article of manufacture—viz., sleigh-runners to be applied to children's carriages to convert them into sleighs; and it consists, essentially, in such novel combination of parts and details of construction as hereinafter first fully set forth and described, and then pointed out in the claims.

In the drawings already mentioned, which serve to illustrate my said invention more fully, Figure 1 is a side elevation of a child's carriage. Fig. 2 is a similar view of a sleigh-runner. Fig. 3 is a plan, and Fig. 4 an end, view of the same.

Like parts are designated by corresponding letters of reference in all the figures.

In these drawings, letter A designates the body of a child's carriage. B are the side bars, curved, as shown at C, and terminating in a handle, D. E is the rear axle, and F the front axle. G is the hub of the rear, and H that of the front, wheel. K is a curved spring, placed midway between the rear wheels. One of its ends is fixed to the body A and the other to a cross-bar, K', connecting the side bars, B. L M are a set of curved springs, placed upon the side bars and supporting the body, as clearly shown in the drawings.

To convert this child's carriage into a sleigh I remove the wheels I and J and place upon the axle-arms E F a device consisting of a curved runner, N, and a similarly-curved rave, Q, both runner and rave terminating in a swan-head. To the rave Q are secured two hubs, G' H', respectively, having knees or spokes O P, terminating in the runner N.

In children's carriages the front wheels are usually of narrower gage than the rear wheels, so that if the rave and runners were parallel with each other the runners would converge, and thereby be but badly suited for the purpose. To compensate for this difference in length of said axles, I arrange the rave obliquely to the runner, and incline the knees P, while those of the rear hub, G', are vertical. In this manner the runners, which are made right and left, will be parallel.

It will be readily observed that this device forms a very desirable adjunct to a child's carriage, and that, owing to its simplicity of construction and consequent cheapness, it can be sold at such a low figure as to bring it within reach of all persons having use for a child's carriage.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent of the United States—

1. As an improved article of manufacture, from bent wood, a pair of sleigh-runners for a child's carriage consisting, essentially, of a curved runner, N, a curved rave, Q, jointing the runner in the swan-head R, hubs G' and H', and the spokes O P, said spokes connecting the hubs and runner, as specified, the rave being obliquely arranged in relation to the runner N and the front spokes inclined, substantially in the manner as and for the object specified.

2. In children's vehicles, a pair of runners, having the rave arranged obliquely to the runner, and the front spokes inclined and the rear spokes vertical, substantially as and for the purpose stated.

In testimony that I claim the foregoing as my invention I have hereunto set my hand in the presence of two subscribing witnesses.

CHRISTIAN PFEFFER.

Attest:

MICHAEL J. STARK,
JOHN C. DUERR.