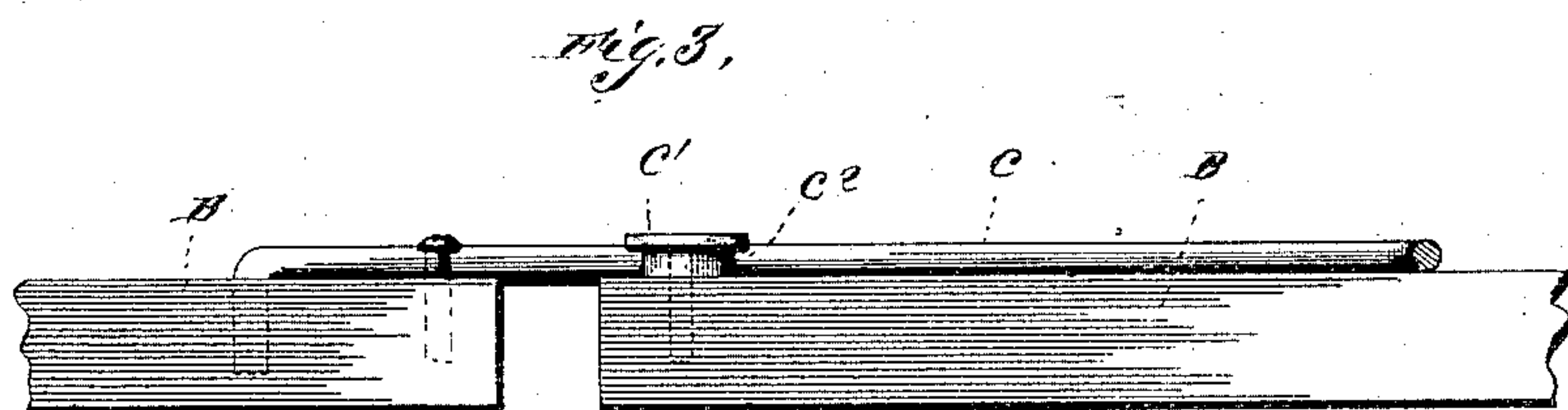
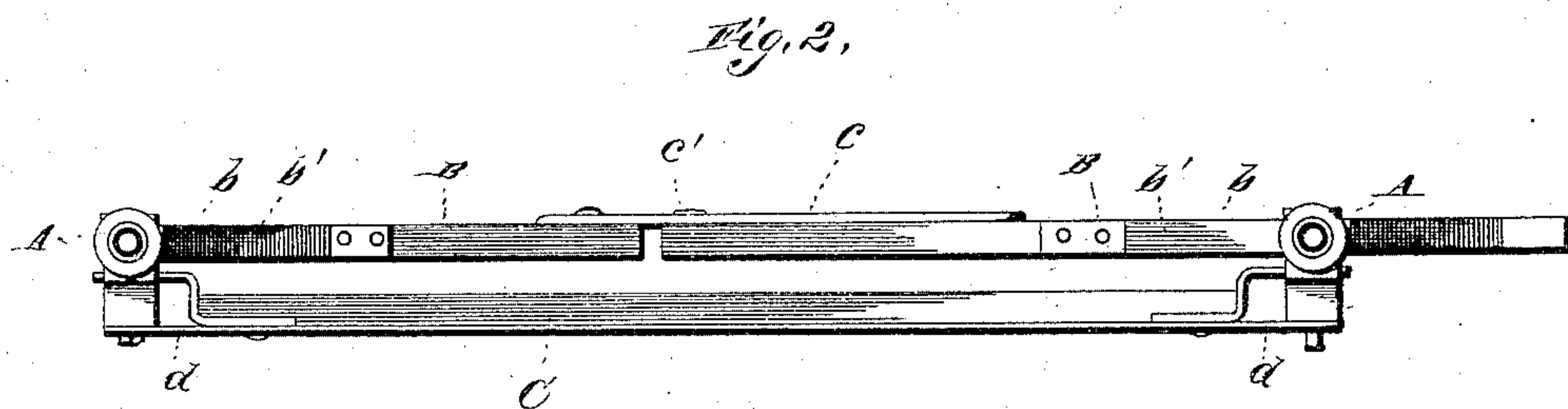
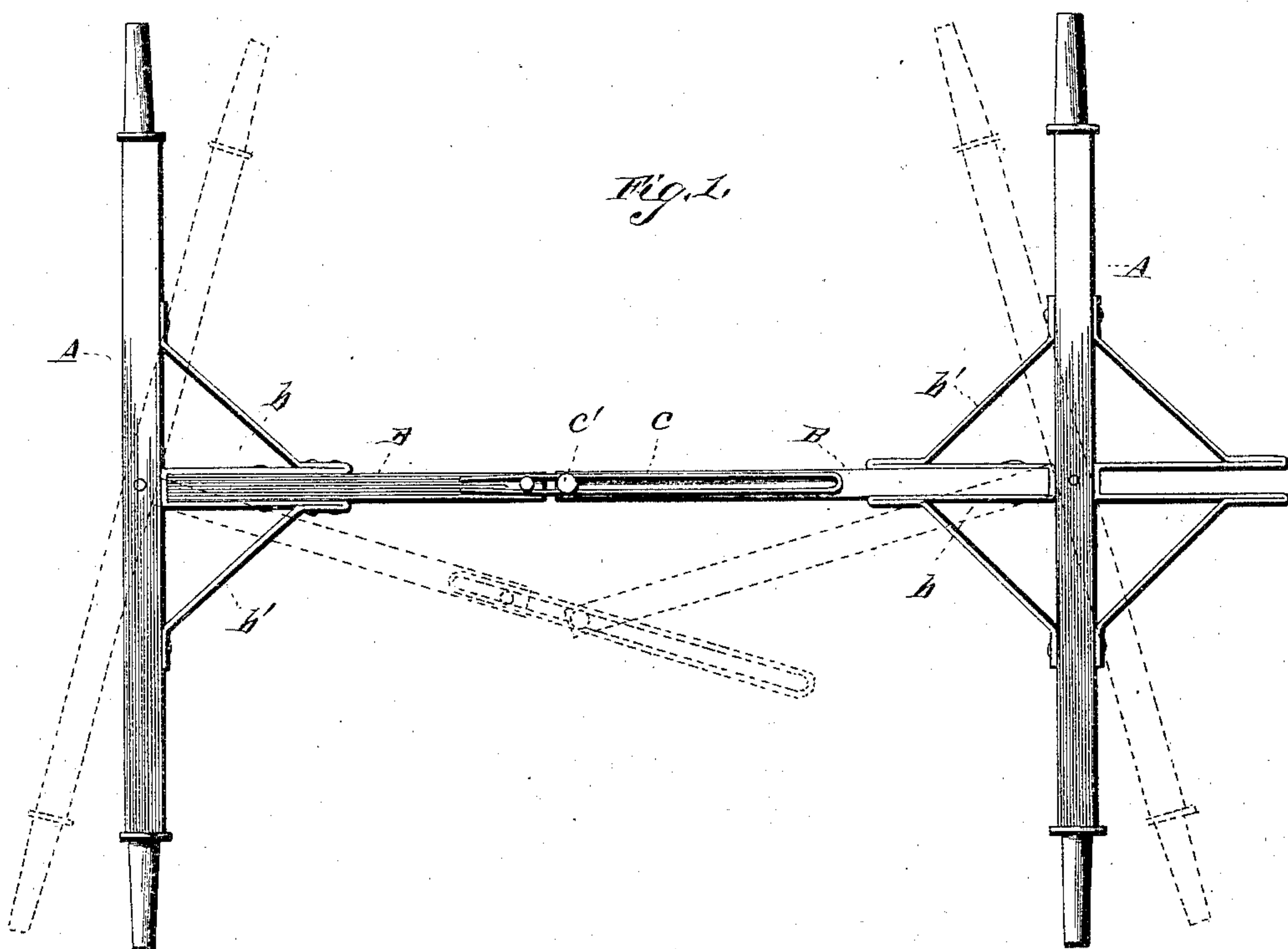


(No Model.)

H. T. BAKER.  
RUNNING GEAR FOR VEHICLES.

No. 432,850.

Patented July 22, 1890.



WITNESSES

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# UNITED STATES PATENT OFFICE.

HAMILTON T. BAKER, OF CROTON, OHIO.

## RUNNING-GEAR FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 432,850, dated July 22, 1890.

Application filed April 12, 1890. Serial No. 347,647. (No model.)

*To all whom it may concern:*

Be it known that I, HAMILTON T. BAKER, a citizen of the United States, and a resident of Croton, in the county of Licking, and State of Ohio, have invented certain new and useful Improvements in Wagons; and I do declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a top plan view of wagon. Fig. 2 is a side elevation of same, and Fig. 3 is a detail view.

This invention relates to certain improvements in wagons, more especially the running-gear, and is equally applicable to sleds; and it consists in the construction and novel combination of parts, as will fully appear from the following description and accompanying drawings.

In the drawings, A A refer to the front and hind axles, to each of which, at its center, is rigidly secured one end of a reach-section B. The connection between each axle and each reach-section is effected, preferably, by means of a metal keeper *b*, bolted thereto, said keepers being further connected to the axles by braces *b'*.

The reach sections B are themselves connected together, so as to have a movement independent of each other by a long link or loop *c*, having one end fixed or secured to one reach-section and having its other portion extending above and parallel with the other reach-section a considerable distance and receiving a headed stud or pin *c'*, provided with

a frictional roll or revolving bearing *c*<sup>2</sup>, engaging said loop or link, the purpose of which will be seen farther on.

C is a bar or connection also between the axles A A, its ends also having keepers *d*, having pivoted forked connections with said axles, holding them a relatively fixed distance apart, the branches of the forward end of said bar or connection passing one through the front axle, while through both of said branches passes the king-bolt. It will therefore be seen that the front axle with its wheels is permitted to turn in the shortest possible space, allowing the vehicle, as especially desired with farm-wagons in the woods and other places, to turn around among the trees and around the corners of fences with facility. The invention, it is obvious, is also readily adapted for use with sleds.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The running-gear for wagons, consisting of the reach-sections connected to the front and rear axles by keepers receiving said reach-sections and secured thereto and to the axles, one reach-section having secured to it an extended loop engaging a pulley or roll applied to the other reach-section, and the bar provided with forked keepers having their branches connected to the said axles, substantially as set forth.

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

H. T. BAKER.

Witnesses:

CHAS. M. HOOVER,  
GEO. W. DANIELSON.