

(No Model.)

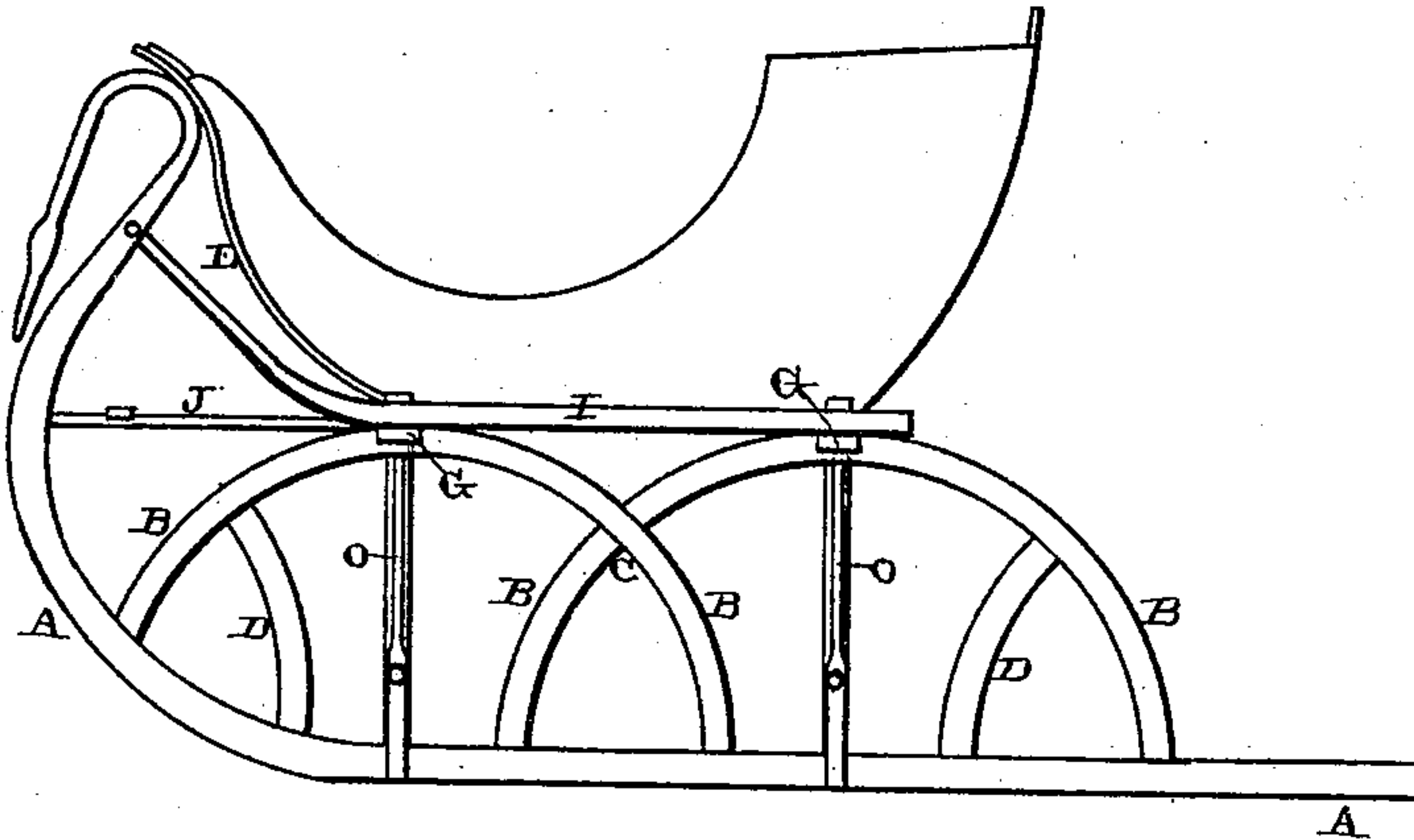
L. DEBOLT, Jr.

SLEIGH.

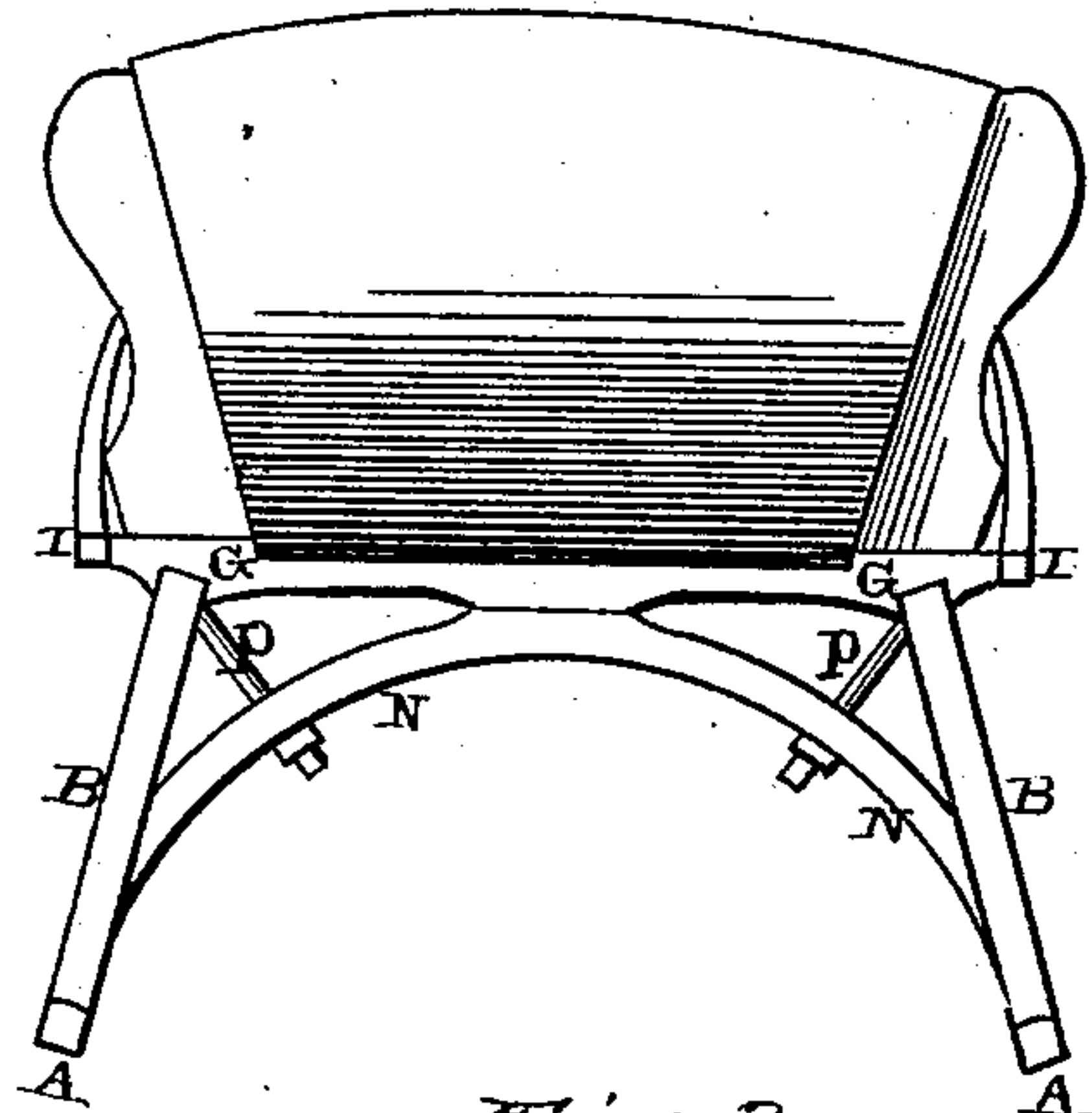
No. 272,532.

Patented Feb. 20, 1883.

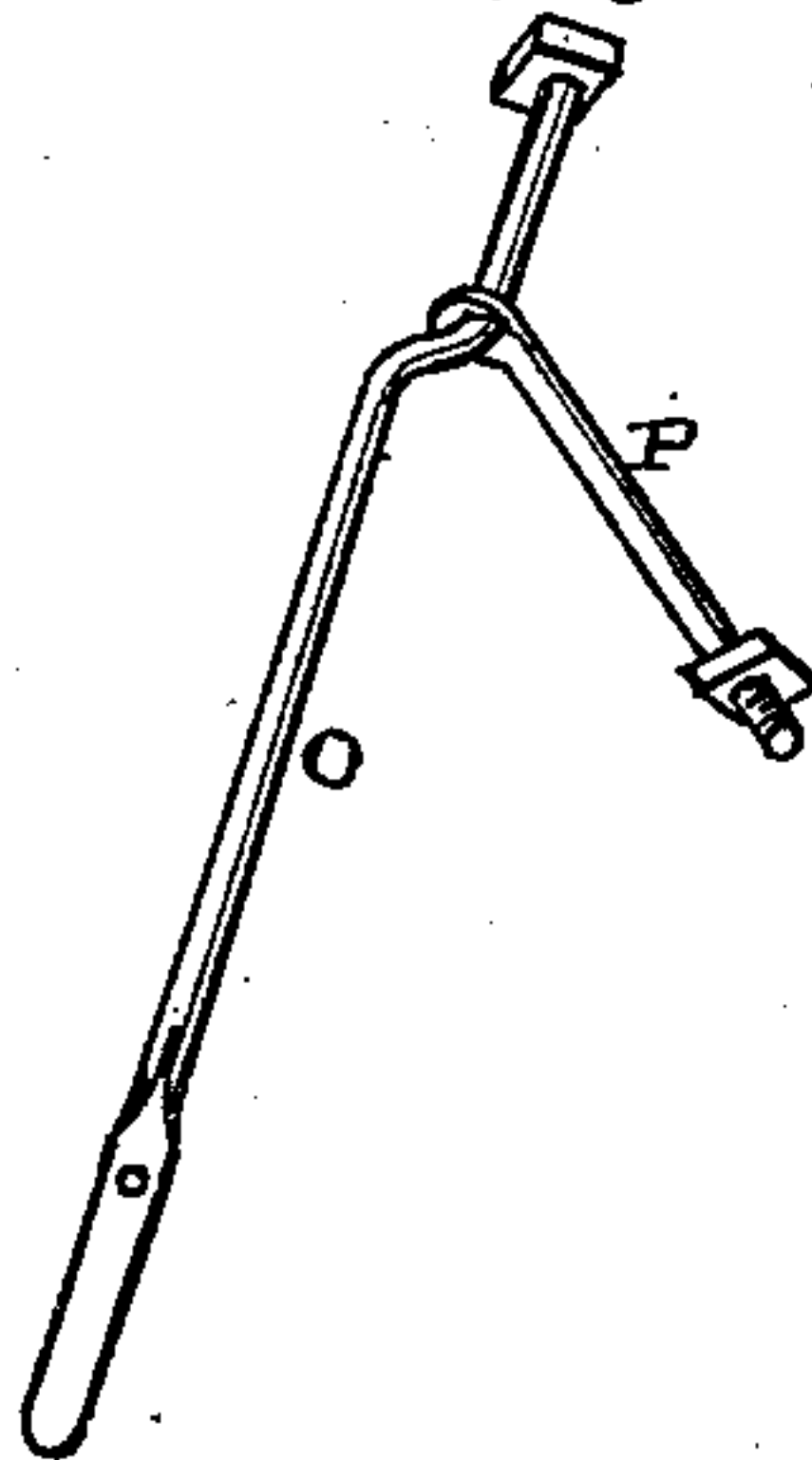
*Fig. 1*



*Fig. 2.*



*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

LEVI DEBOLT, JR., OF KINGSTON CENTRE, OHIO.

## SLEIGH.

SPECIFICATION forming part of Letters Patent No. 272,532, dated February 20, 1883.

Application filed November 4, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, L. DEBOLT, Jr., of Kingston Centre, in the county of Delaware and State of Ohio, have invented certain new and useful  
5 Improvements in Sleighs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in sleighs; and it consists in standards which are formed from two rods which are bent so as to  
15 form semicircles, and which have their ends directly connected to the runner, the rods being halved into each other, so as to brace and support each other at their center, and braced at their outer ends by means of additional brace-  
20 rods.

It still further consists in the combination of curved braces which extend entirely across under the body of the sleigh from one runner to the other, and which are braced by suitable  
25 metallic rods which are secured to the bent rods which form the standards, all of which will be more fully described hereinafter.

The object of my invention is to form a sleigh which, while being very light and showy in  
30 appearance, possesses more than the usual strength and durability.

Figure 1 is a side elevation of my invention. Fig. 2 is a rear view of the same. Fig. 3 is a detail view.

35 A represents the runners, which may be bent into the shape here shown, or any other that may be preferred.

The standards B are formed from two rods, which are bent into semicircles, as shown, and  
40 which have their ends mortised or otherwise secured directly to the runner. These rods are halved where they cross each other, so that when fitted together they form only a thickness equal to the thickness of one of the  
45 rods; as shown at C, and at the same time they are made to form mutual braces or supports for each other near the center of the runner. In order to brace these standards at their outer ends, the rods D are used, which have their  
50 lower ends mortised into the under side of the

standards, as shown. Standards thus formed are very light and showy in appearance.

The cross-bars G have suitable recesses formed in their under sides, so as to catch over the tops of the standards, and thus brace the  
55 standards rigidly in position in relation to each other. To the outer ends of these bars, on each side of the sleigh, is secured the rave I, which extends forward and has its front end curved upward and let into the upper end of the runner for the purpose of securing the runner in  
60 shape. A shaft-rod, J, is also used for each runner, and which rods will be made of light round iron. The front ends of the rods are fastened to the inner sides of the runners, while  
65 their rear ends pass backward through the front bar. The front portion, L, of the body is fastened upon the top of the front bar, and is curved forward and upward, so as to be secured to the tops of the runners, as shown.  
70 This portion of the body serves as a brace or support for the runners at their upper ends.

In order to brace the runners against side strains, the semicircular rods N are secured to the under side of the center of the cross-bars,  
75 and which have their lower ends extend down, so as to be mortised into the runners. In order to give additional strength to these side braces, there is a metallic rod or brace, O, fastened to the outer side of each of the runners and to  
80 the outer side of the lower end of each of the cross-braces, and which rod then extends upward and passes through the under side of the standard and the cross-bar. Also passing through each of these curved side braces, on  
85 each side of its center, is a rod or brace, P, which has a hole made through its upper end, so as to allow the upper end of the brace O to pass through it.

By the construction above described the  
90 shafts are fastened to the rods J back of the runners, and the horse is thus brought closer to the sleigh, the body is placed in between the runners, and thus made to run more evenly, and the driver is brought nearer to the horse.  
95

Having thus described my invention, I claim—

1. In a sleigh, the combination of the runner with the two standards B, which are formed from rods which are bent in semicircles, and  
100



which have their lower ends secured directly to the runners, and which cross each other at their inner ends, substantially as shown and described.

- 5 2. The combination of the runners with the semicircular rods which form the standards B, the rods being secured together where they cross each other, near their inner ends, and braced by the short rods D at their outer ends,  
10 substantially as set forth.

3. The combination of the runners with the

curved brace-rods which extend across under the body, and have their lower ends connected directly with the runners and braced by the rods O P, substantially as specified. 15

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

LEVI DEBOLT, JR.

Witnesses:

ANNA ROBERTS,

BERTHA ROBERTS.