

(No Model.)

A. RASMUSSEN.  
THILL FOR VEHICLES.

No. 279,804.

Patented June 19, 1883.

Fig. 1.

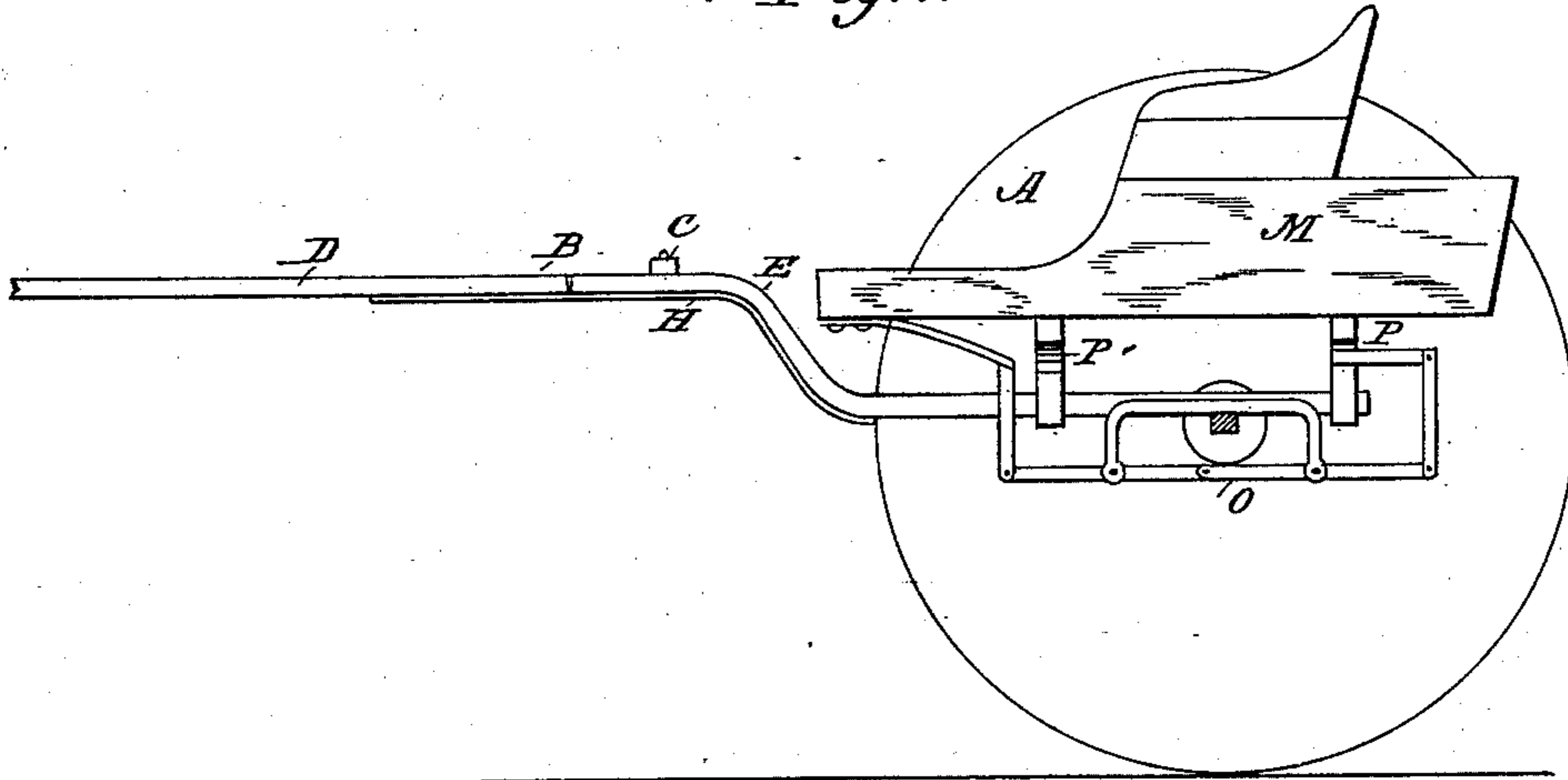


Fig. 2.

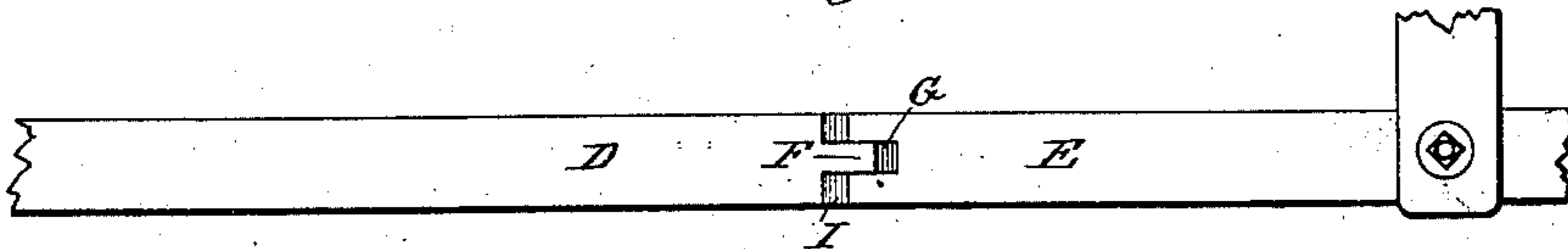


Fig. 3.

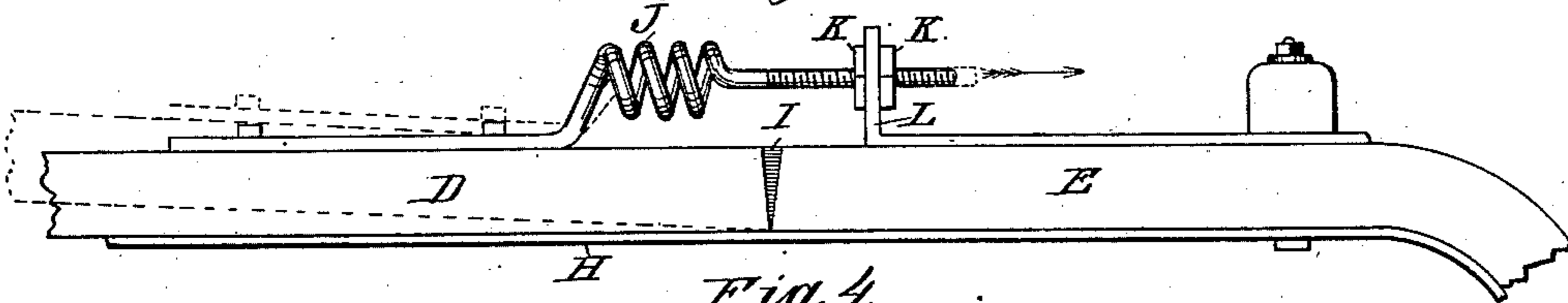
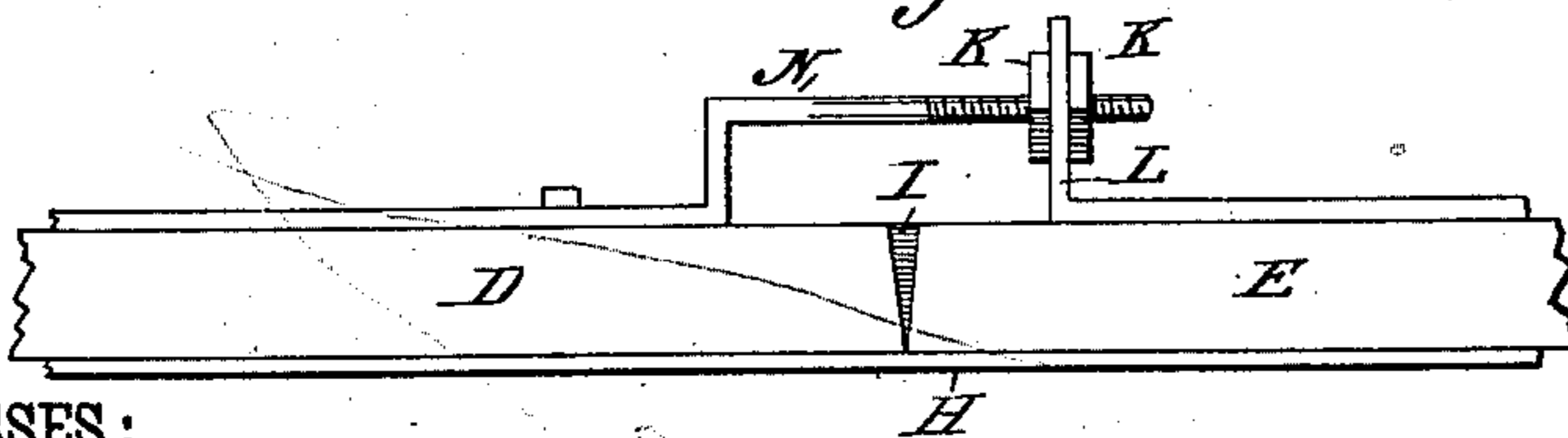


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ANDERS RASMUSSEN, OF OSHKOSH, WISCONSIN.

## THILL FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 279,804, dated June 19, 1883.

Application filed March 2, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ANDERS RASMUSSEN, of Oshkosh, in the county of Winnebago and State of Wisconsin, have invented a new and  
5 useful Improvement in Thills, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, forming part of this specification.

The object of this invention is to provide an  
10 adjustable thill for a gig, whereby the body of the gig may be kept level, regardless of the height of the horse to which the gig is attached.

In the drawings, Figure 1 is a side elevation of a gig showing my improved thill. Fig. 2  
15 is a plan view of a part of the thill with the adjusting device removed. Fig. 3 is an enlarged side view of the improved thill; and Fig. 4 is a similar view, showing a modification of the adjusting device.

20 The thills of the gig A are divided transversely at B, slightly in advance of the cross-bar C, and the divided parts D E are jointed together by a tenon, F, on the one part, and a mortise, G, in the other, which are held in  
25 engagement with each other by a strip of spring metal, H, secured to the under side of the thill. The ends of the parts D E are adapted to form wedge-shaped recesses I between their surfaces, to provide for the adjust-  
30 ment of the part D to a position out of the plane of the part E, as shown in dotted lines, Fig. 3.

To the upper surface of the thill is secured  
35 a strong coil-spring, J, arranged longitudinally thereon, with one end secured to the part D, and having the other end threaded and secured by nuts K in a perforated flange or plate, L, secured to the part E. By screw-

ing the nuts so as to draw the threaded end in the direction of the arrow, the part D of the  
40 thill will be raised to the position shown in dotted lines, Fig. 3. The thills may thus be adjusted to suit a larger or smaller horse without moving the body M of the gig out of a level position.

In Fig. 4, I have shown a straight rod, N,  
45 instead of the coil-spring J, as a means for adjusting the part D.

O indicates an equalizing device for the springs P and body M, which is not claimed  
50 in this application.

What I claim is—

1. A thill for a gig, consisting of two parts jointed together and combined with an adjust-  
55 ing device secured to the upper surface of one part, and having a rod adapted to be held by a flange on the other part, substantially as shown and described.

2. A thill for a gig, consisting of the parts D E, mortised and tenoned together, and com-  
60 bined with a strip of spring metal, H, which is secured to their under sides, and an adjusting device secured to the upper surface of one part, and having a threaded rod adapted to be held by a perforated flange on the other  
65 part, substantially as shown and described.

3. A thill for a gig, consisting of the parts D E, mortised and tenoned together, and com-  
70 bined with the strip H and the coil-spring J, which are arranged and adapted to co-operate together substantially in the manner herein described and shown.

ANDERS RASMUSSEN.

Witnesses:

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