

R. PINTSCH.

SLEIGH BOB.

APPLICATION FILED MAY 19, 1908.

913,050.

Patented Feb. 23, 1909.

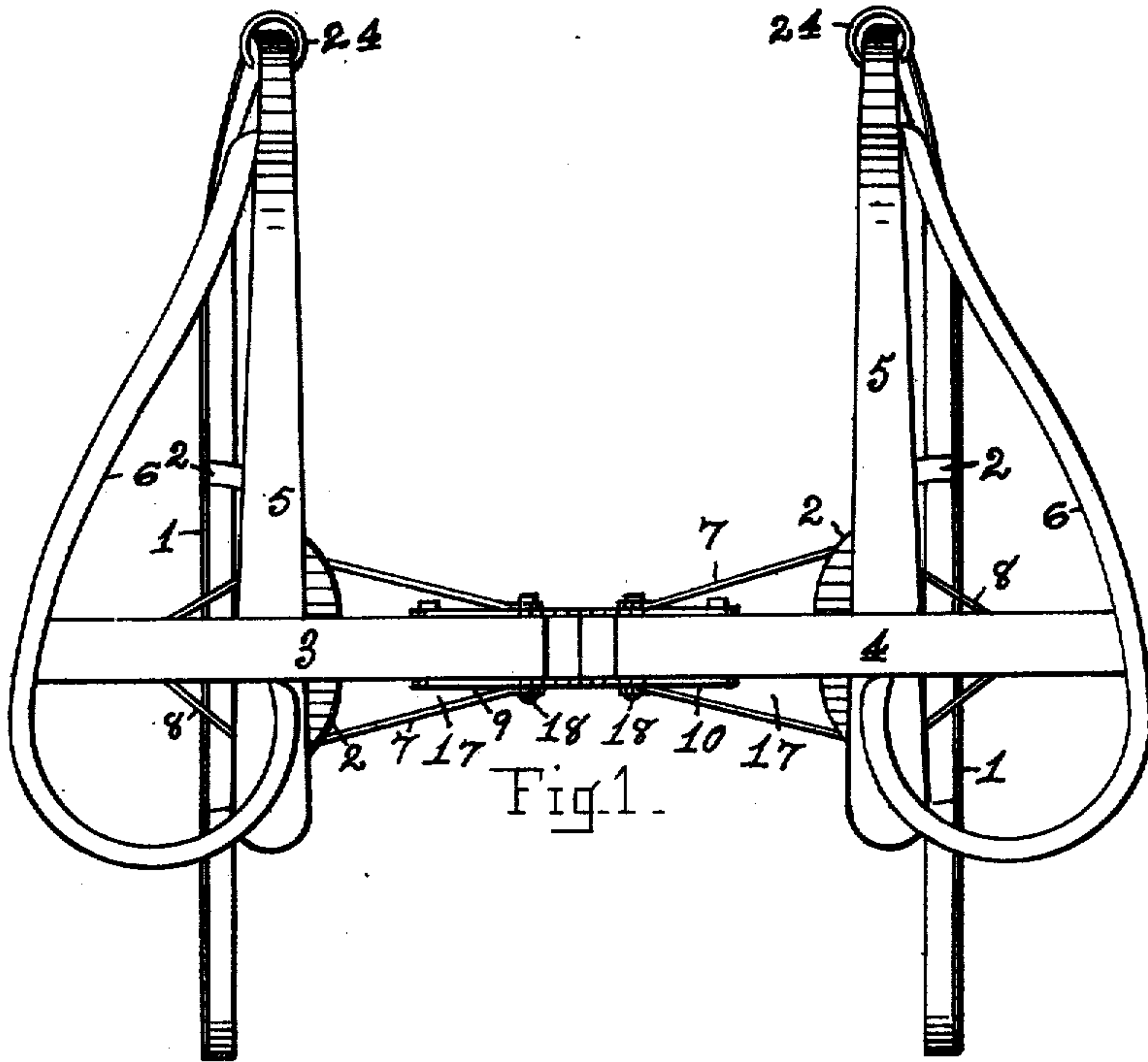


Fig. 1.

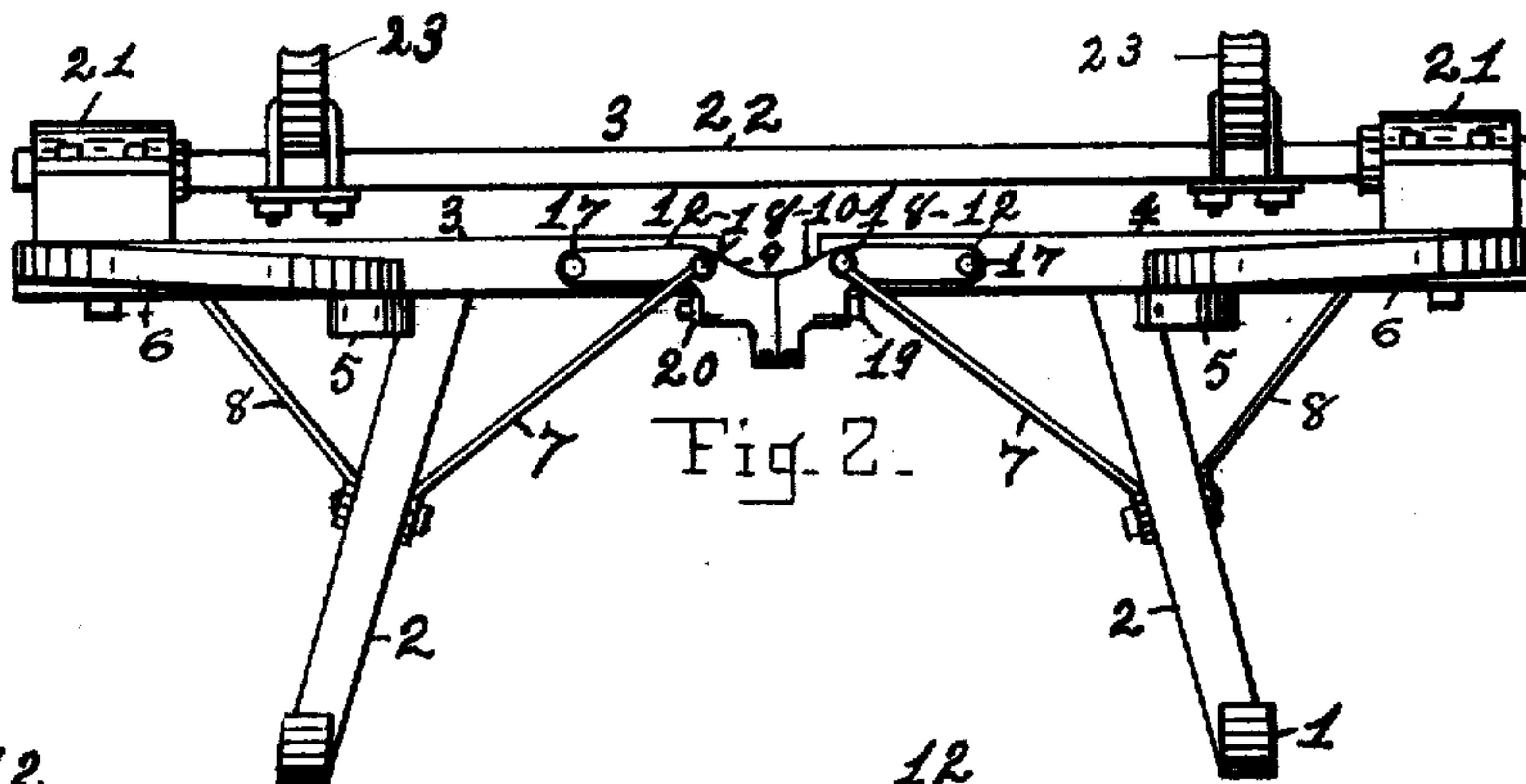


Fig. 2.

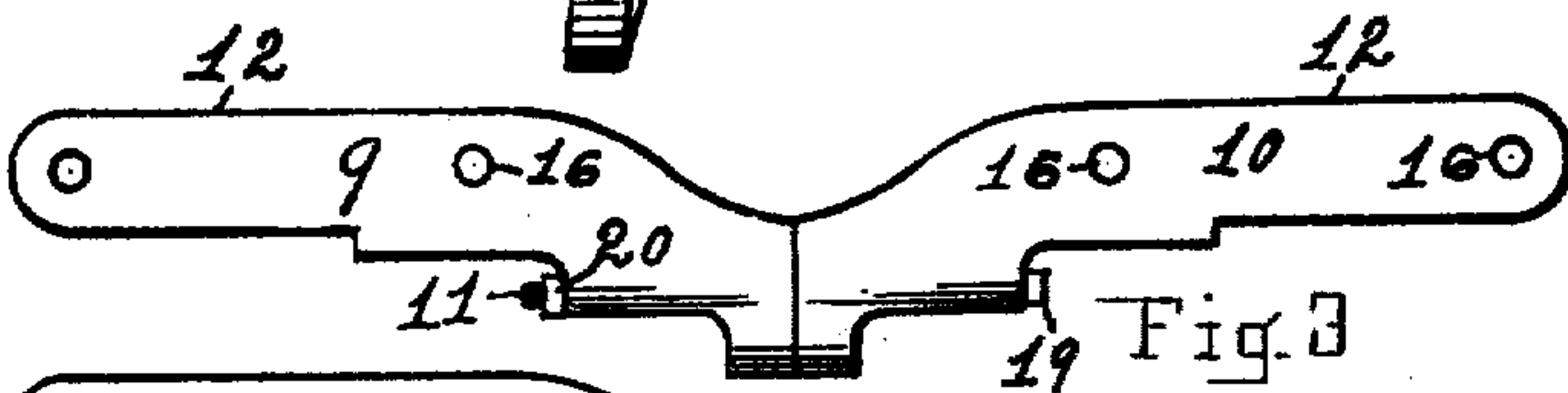


Fig. 3.

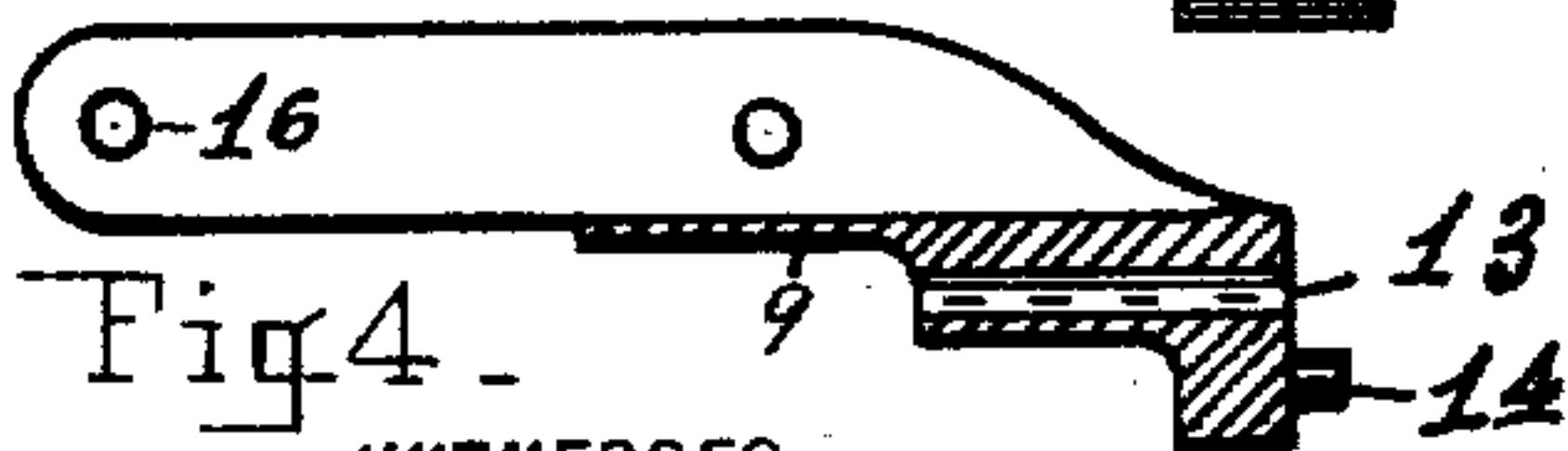


Fig. 4.

WITNESSES:

B. M. Albee.

B. O. Miller.

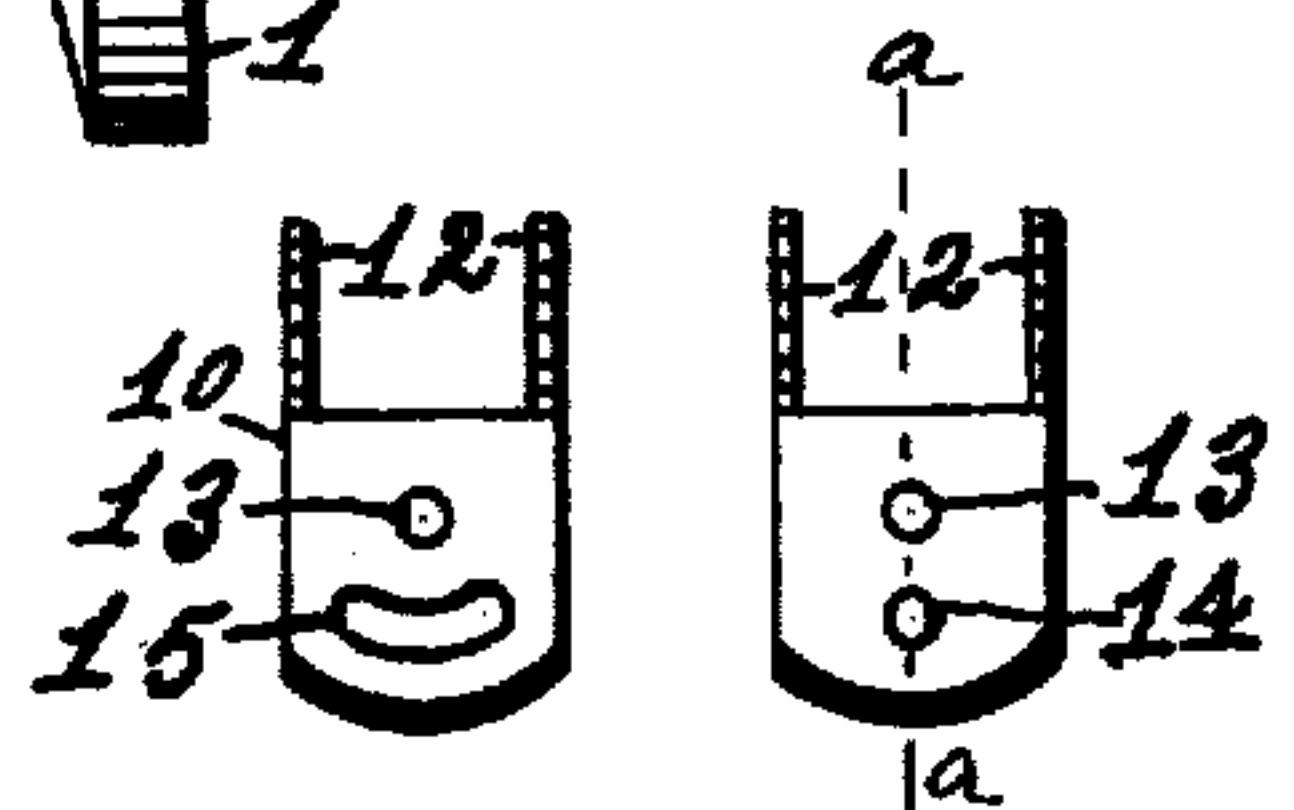


Fig. 5. Fig. 6.

INVENTOR.

Robert Pintsch.

BY G. H. Albee.

ATTORNEY

# UNITED STATES PATENT OFFICE.

ROBERT PINTSCH, OF MENASHA, WISCONSIN.

## SLEIGH-BOB.

No. 913,050.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed May 19, 1908. Serial No. 433,679.

*To all whom it may concern:*

Be it known that I, ROBERT PINTSCH, a citizen of the United States, residing at Menasha, in the county of Winnebago and State of Wisconsin, have invented a new and useful Sleigh-Bob, of which the following is a specification.

My invention relates to an improvement on sleigh bobs for use under the axles of wheeled vehicles where the wheels are removed from the axles when it is desired to change the running of the vehicle, such as omnibuses, hacks, drays, delivery wagons, etc., from wheels to runners, and it consists in forming the bob with a jointed bolster, the inner ends of which are connected together with a metallic coupling, whereby each runner of the bob is permitted a vertical rocking movement independently of the movement of its companion runner, and its object is, first, to facilitate the changing of a vehicle from wheels to runners and the reverse, and second, to permit one runner to run over an obstruction or into a furrow without disturbing the level of the other runner.

My invention is illustrated in the accompanying drawing, in which,—

Figure 1 is a top view of a sleigh bob embodying my improvement. Fig. 2 is a rear end elevation of Fig. 1 and having a carriage axle mounted upon it. Fig. 3 is a side elevation of the bolster coupling. Fig. 4 is a longitudinal vertical section of one half of the coupling on the line *a, a*, of Fig. 6. Fig. 5 is an end elevation of the inside end of the companion half to Fig. 4. Fig. 6 is an end elevation of the inside end of Fig. 4. Figs. 3, 4, 5 and 6 are upon a larger scale than Figs. 1 and 2.

Similar numerals indicate like parts in the several views.

The bob consists of runners 1, standard or knees 2, bolster sections 3 and 4, raves 5 guards 6 and braces 7 and 8. The bolster consists of two similar sections which are connected together with coupling pieces 9 and 10 by means of a bolt 11. The coupling pieces are preferably formed of malleable iron and are nearly alike in form, each being adapted to receive a bolster section end between its side wings 12, each having a bolt hole 13 for receiving the bolt 11, one piece, 9, is provided with a pin 14, which extends out from the inside, or meeting end of the piece for entering a curved groove 15, having end walls, as shown in Fig. 5 in the piece 10, for

limiting the rocking movement upon the bolt 11 of the two bolster sections. The side arms or wings 12 are provided with bolt holes 16, said arms inclosing a bolster end and having bolts 17 and 18 inserted through said holes and a bolster end for connecting the coupling piece to a bolster section. The coupling pieces being connected with a bolster section, it matters not which one, upon the insertion of the bolt 11 having a head 19 and nut 20, and screwing on the nut, not too tightly, a lock nut is preferable, the coupling pieces will be held securely together while the bolster sections are permitted a limited oscillating, or tilting movement, one with the other.

The sleigh bob as shown is adapted for having a pair of boxes 21, secured near the outer ends of the bolster for receiving that portion of a carriage axle from which the wheels have been removed, the axle 22, showing a part of two carriage springs 23, which are secured upon it, said axle being shown in position merely for showing the manner in which the sleigh bob is to be used. The carriage axle being mounted in boxes 21, each runner is free to oscillate independently of any movement of the companion runner. The bob may be drawn by the rings 24, both rear and front bobs are alike in construction.

I am aware that sleigh bobs have been provided with bolsters which would permit the runners to tilt independently of each other, but I am not aware of one in which the joint between its coupling members is located mid-way the ends of the bolster, and is formed by a single bolt.

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

1. In a sleigh bob having the usual runners, knees and bolster, a bolster therefor consisting of two equal sections, a coupling connecting the bolster sections mid-way the outer ends of the bolster consisting of two sections, each one of the sections being adapted to be secured to the inner end of one of the bolster sections with bolts, a bolt having a head and nut thereon passing through a part of each coupling section for connecting the coupling sections together, one coupling section having a pin extending outward from its meeting end, and the meeting end of the other section being provided with a curved groove having end



walls adapted to receive said pin and limit the oscillation of said coupling sections upon said bolt when the coupling sections are bolted together.

- 5 2. A coupling for a sleigh bob bolster, comprising two sections, each section having side wings adapted for inclosing two sides of a bolster and to be bolted thereto, a bolt hole longitudinally arranged below said wings  
10 through a part of each coupling section, a bolt passing through said bolt holes having a head and nut thereon, for connecting the

meeting ends of said sections, together, the meeting end of one section having a groove with end walls, and said end of the other section having a pin adapted to enter said groove, and when the two sections are bolted together, to limit the oscillation of one section upon said bolt with reference to the other section. 15

ROBERT PINTSCH.

Witnesses:

JOS. L. FIEWEGER,

WILLIAM M. SCHUBERT.