(No Model.)

M. D. SCHALLER.

SNOW PLOW.

No. 493,899. Patented Mar. 21, 1893.

Fig. 1.

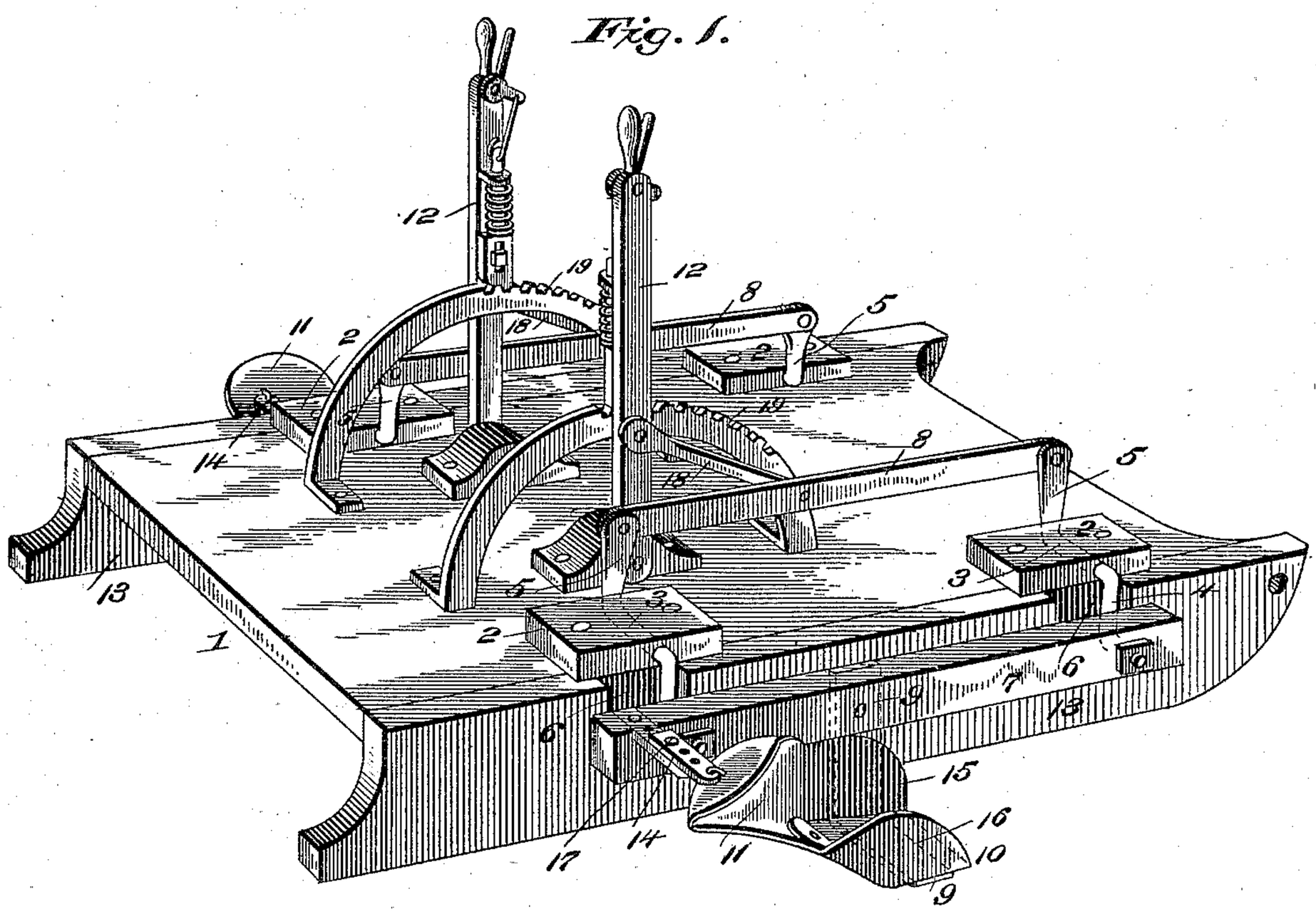
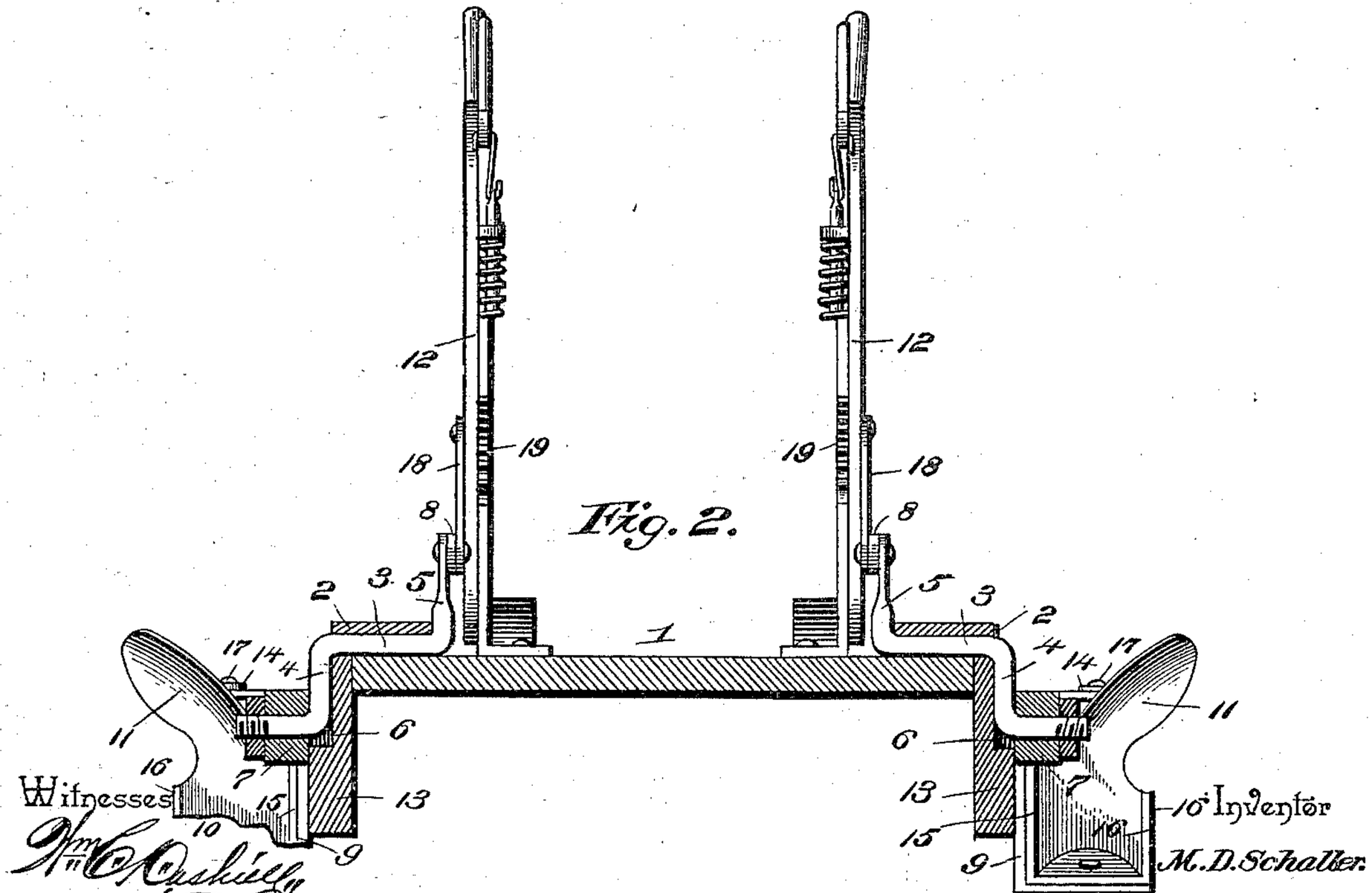


Fig. 2.



Witnesses
Wm. C. Corbett
N. J. Riley

Inventor
M. D. Schaller.

By his Attorneys,
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

MICHAEL D. SCHALLER, OF LOWELL, NEW YORK.

SNOW-PLOW.

SPECIFICATION forming part of Letters Patent No. 493,899, dated March 21, 1893.

Application filed May 31, 1892. Serial No. 435,050. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL D. SCHALLER, a citizen of the United States, residing at Lowell, in the county of Oneida and State of New York, have invented a new and useful Snow-Plow, of which the following is a specification.

The invention relates to improvements in snow plows.

The object of the present invention is to provide a simple and comparatively inexpensive snow plow which will be adapted for operating on roads in winter to level the same and to preserve them in proper condition for vehicle travel.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a perspective view of a snow plow constructed in accordance with this invention. Fig. 2 is a transverse sectional view.

Like numerals of reference indicate corresponding parts in both the figures of the drawings.

1 designates a sled provided at each side with bearings 2, and having journaled therein rock shafts 3 which are provided with oppositely disposed arms 4 and 5 the former of which depend in recesses 6 at the side of the sled and have attached to them the ends of a supporting bar 7; and the upwardly extending arms 5 are pivoted to the ends of a connecting rod 8. An L-shaped standard 9 depends from the supporting bar 7 and carries a scraper 10 which has pivotally secured to it an adjustable mold board 11 and which is adapted to be raised above the ground by means of an operating lever 12 when it is not in use, and which is adapted to be dropped below the adjacent runner 13 to bring it in operative position. The mold board is adapted to throw the snow and earth excavated by the scraper outward and is adjustable by a horizontal brace 14 so as to throw the earth a desired distance outward. The scraper is provided with vertical sides 15 and 16 and serves as a scoop, and the front of the mold board conforms to the configuration of the rear end of the scraper. The brace 14 is composed of two sections connected by a bolt 17 and provided with perforations and adapted to be moved on each other to increase or diminish the length of the brace 14, and thereby adjust the mold board. The operating lever 12 is fulcrumed on the sled and is connected by a link-bar 18 with the connecting bar, and it is provided with latch mechanism arranged to engage a ratchet 19 whereby the operating lever may be secured at the desired position to hold the scraper at the proper depth. By moving the operating lever the scraper is raised or lowered and may be thereby controlled.

A scraper is arranged at each side of the sled and they may be adjusted independently to suit the condition of the road. The plow mechanism may be applied to a long sled or to a pair of bobs if desired.

What I claim is—

1. In a snow plow, the combination of a frame, the rock shafts arranged transversely of the frame and located at the front and rear of the same and terminating at the sides of the frame in depending arms having outwardly bent ends extending horizontally from the frame, the longitudinally disposed supporting bars carried by the outwardly turned ends, scrapers suspended from the supporting bars, and means for turning the rock shafts to raise and lower the scrapers, substantially as described.

2. In a snow plow, the combination of a frame, rock shafts journaled on the frame, a supporting bar connecting the rock shafts, a scraper secured to and carried by the supporting bar, and a mold board pivotally connected to the scraper and adjustably connected with the supporting bar, substantially as described.

3. In a snow plow, the combination of a frame, rock shafts journaled on the frame and having depending arms, a supporting bar connecting the arms, a scraper secured to the supporting bar, a mold board pivoted to the scraper, and a horizontal brace connecting the mold board with the supporting bar and composed of two sections adjustably secured together, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

MICHAEL D. SCHALLER.

Witnesses:

ADAM C. SCHALLER,

LOUIS G. SCHURIBLE.