L. BEDFORD.

SNOWPLOW.

APPLICATION FILED JAN. 20, 1921.

1,415,979. Patented May 16, 1922.

FIG. 1.

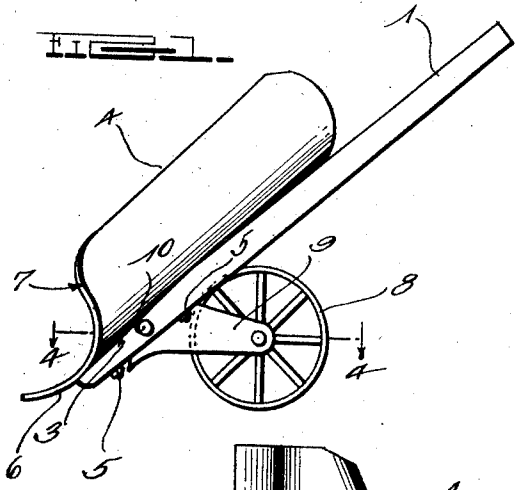


FIG. 4.

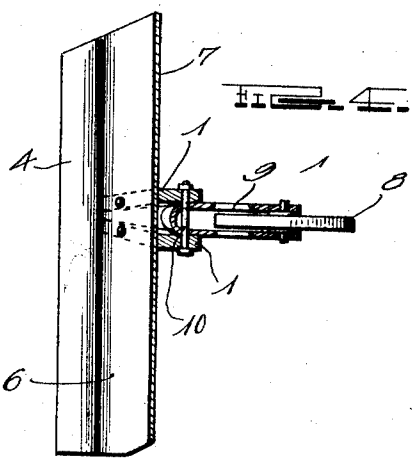


FIG. 2.

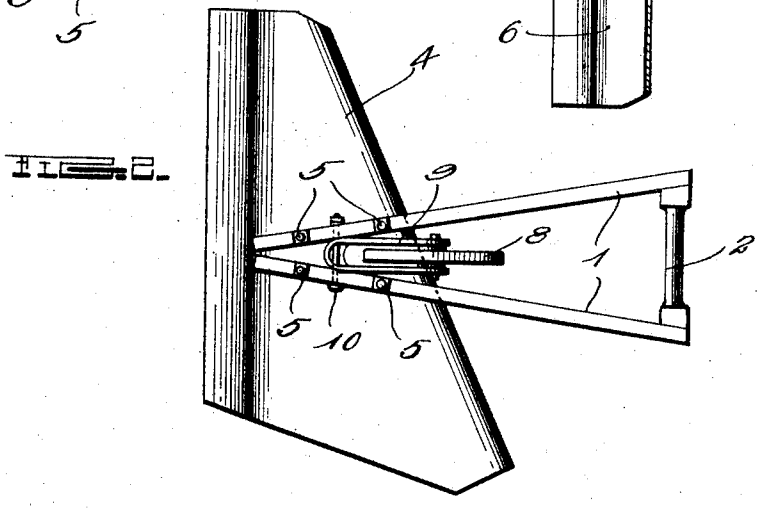
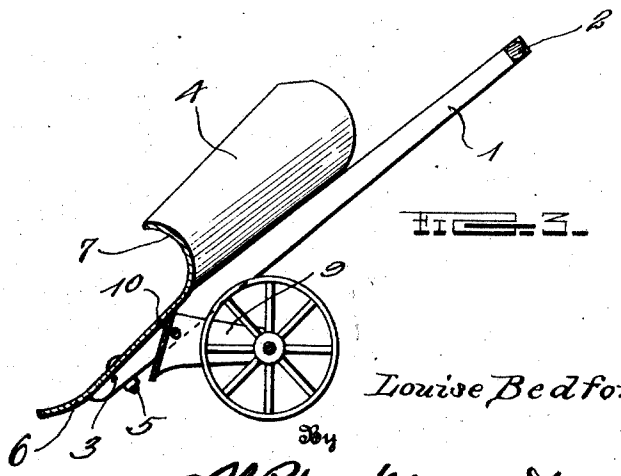


FIG. 3.



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SNOWPLOW.

1,415,979. Specification of Letters Patent. Patented May 16, 1922.

Application filed January 20, 1921. Serial No. 438,680.

To all whom it may concern:

Be it known that I, LOUISE BEDFORD, a citizen of the United States, residing at Mount Pleasant, in the county of Henry and State of Iowa, have invented certain new and useful Improvements in Snowplows; and I do 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 appertains to make and use the same.

My invention relates to improvements in snow plows and more particularly to those which are operated by hand, the principal object of the invention being to provide a device of this character which may be easily and inexpensively manufactured and marketed, yet one which will be highly efficient, easy to operate, and in every way desirable.

With the foregoing in view, the invention resides in the novel construction and arrangement of parts, hereinafter fully described and claimed, the descriptive matter being supplemented by the accompanied drawings.

Figure 1 is a side elevation of a snow plow constructed in accordance with my invention.

Figure 2 is a bottom view of the front end of the device.

Figure 3 is a longitudinal sectional view as indicated by line 3—3 of Fig. 2.

Figure 4 is a horizontal sectional view as designated by line 4—4 of Fig. 1.

In the drawings above briefly described, the numeral 1 designates a pair of inclined downwardly converging handles whose upper ends are connected by an appropriate hand grip 2, the lower ends of said handles being closely spaced and being beveled on their upper edges as seen at 3. Resting on these beveled upper edges of the handles 1, is a snow removing plate 4 which is elongated transversely of the device, bolts or the like 5 being employed for securing such plate in place. The lower edge of the plate 4 is curved forwardly as indicated by the numeral 6, for tight contact with a side walk from which snow is to be removed. The upper edge of plate 4 is inclined transversely of the device and said edge is curved forwardly and downwardly as indicated at 7, thereby forming a mold board for carrying the snow to one side of the plate. The downward curve prevents any snow from passing rearwardly entirely over the plate and dropping on the cleaned side walk.

In rear of the plate 4, I mount a wheel 8 which is adapted to travel on the side walk to support the handles 1 in an inclined position. For connecting the wheel 8 with the handle, I bent an elongated metal plate transversely upon itself as indicated at 9, position the folded end of the bracket arm thus formed, between the closely spaced front ends of the handles 1, pass a bolt 10 through said bracket arm and handles, and mount the wheel 8 between the free ends of the aforesaid folded plate. The fold 9 is received snugly, between the front ends of the handles 1 and contacts yieldably therewith so that no rattling takes place, and pivotal movement of the bracket arm, upon the bolt 10, is prevented by contact of the upper end of said fold with the plate 4.

When using the device, it is merely pushed forwardly, with the result that the snow is scraped from the side walk and deflected to one side by the mold board 7. Attention may here be directed to the fact that the scraping edge of the plate 4 is truly at right angles to the line on which the machine moves forwardly. Hence, there is no force tending to draw the machine to one side, as in snow plows having an oblique scraping blade. Attention is also directed to the fact that whenever desired, the handles 1 may be pushed downwardly, thereby elevating the plate 4 and a quantity of snow thereon, so that the entire device may then be used as a wheel barrow for carrying the snow to a remote point, should this be advisable. When the device is being used for cleaning a side walk, the wheel 8 takes a great deal of strain from the operator, since said wheel supports the weight of the snow on the plate 4 and by pushing downwardly on the handles 1 to the required extent, the frictional contact of the edge , with the side walk, may be relieved, so that the plow may be propelled with ease.

Since probably the best results are obtainable from the several details shown and described, such details may well be followed. I wish it understood however that within the scope of the invention as claimed, numerous changes may be made.

I claim;

1. A snow plow comprising a pair of inclined downwardly converging handles, an inclined plate secured upon the upper edges

of said handle and having its upper edge turned forwardly and disposed obliquely with respect to said handle, the lower edge of said plate being directed forwardly to provide a walk scraper, a wheel between said handles behind said plate and adapted to travel on the cleaned walk, and a bracket secured to said handles and carrying said wheel.

2. A snow plow comprising a pair of inclined downwardly converging handles whose lower ends are closely spaced, a snow removing plate secured upon the upper edges of said handles at their front ends, a bracket arm having a wheel on one end, the other end of said bracket arm being received between said closely spaced ends of the handles and being positioned in contact with said plate, and a bolt passing through said handles and through said bracket arm.

3. A snow plow comprising a pair of inclined downwardly converging handles whose lower ends are closely spaced, a snow removing plate secured upon the upper edges of said handles at their front ends, an elongated metal plate folded transversely upon itself and having its fold positioned between said front ends of the handles and in contact with said snow removing plate, a bolt passing through said folded plate and said handles, and a wheel between the ends of said folded plate.

In testimony whereof I have hereunto set my hand.

LOUISE BEDFORD.