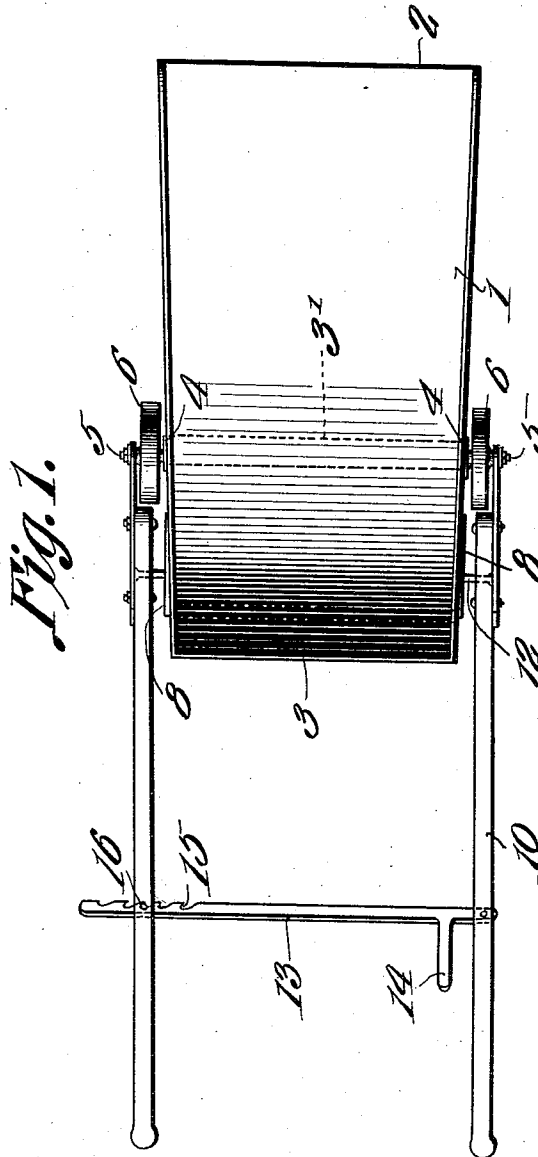


M. L. McCrary.
WHEEL SCOOP.
APPLICATION FILED FEB. 2, 1911.

1,015,969.

Patented Jan. 30, 1912.

2 SHEETS—SHEET 1.



Witnesses

J. P. Donlin
L. H. Wilow.

Merritt L. McCrary,
Inventor

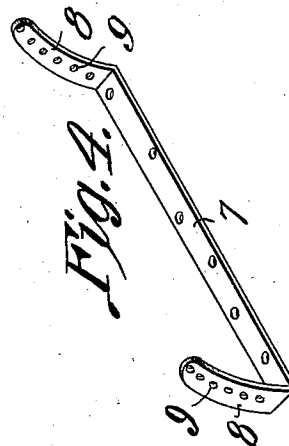
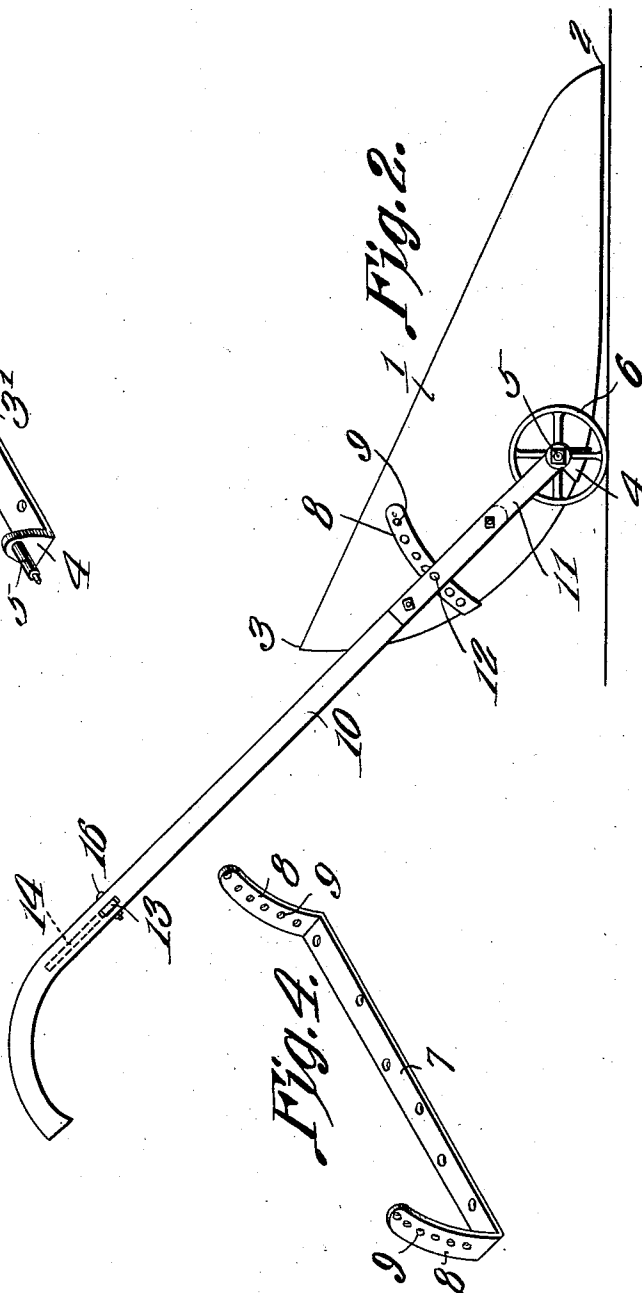
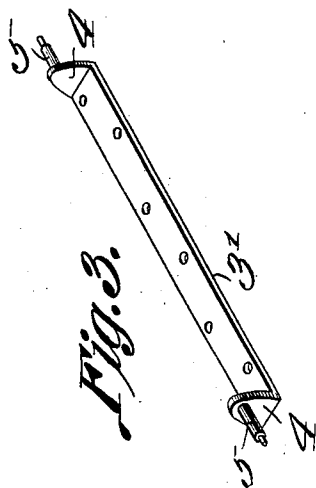
by *C. A. Snow & Co.*
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UNITED STATES PATENT OFFICE.

MERRITT L. McCRARY, OF ETHAN, SOUTH DAKOTA.

WHEEL-SCOOP.

1,015,969.

Specification of Letters Patent.

Patented Jan. 30, 1912.

Application filed February 2, 1911. Serial No. 606,259.

To all whom it may concern:

Be it known that I, MERRITT L. McCRARY, a citizen of the United States, residing at Ethan, in the county of Davison and State of South Dakota, have invented a new and useful Wheel-Scoop, of which the following is a specification.

This invention has relation to wheel scoops and consists in the novel construction and arrangement of its parts hereinafter described and claimed.

The object of the invention is to provide a scoop including a wheel mounted body with handles pivotally connected with the body and means for fixing the handles with relation to the body so that the body may be projected into or under material at the time that the scoop is being loaded and the body may swing or turn upon the axle of the wheels at the time that the scoop is being dumped. Also the parts are so arranged that the body and its contents may be practically counterbalanced upon the axle of the supporting wheels when the scoop is being drawn from one point to another.

In the accompanying drawings—Figure 1 is a plan view of the scoop. Fig. 2 is a side elevation of the same. Fig. 3 is a perspective of an axle forming a part of the scoop. Fig. 4 is a perspective view of a bar used upon the scoop.

The scoop consists of a body 1 which is substantially semi-elliptical in side elevation and in plan is slightly broader at its bit end 2 than at its back end 3. An axle bar 3¹ extends under the body 1 at the deepest part thereof and is provided at its ends with ears 4 which extend up along the sides of the said body. The said bar 3¹ is secured to the body by means of rivets or equivalent devices. The ears 4 are provided with outstanding pintles 5 upon which the supporting wheels 6 are journaled. The body 1 is preferably formed from sheet metal. A bar 7 extends transversely under the rear portion of the body 1 and is secured to the same by means of rivets or equivalent devices and the end portions 8 of the said bar 7 are bent up along the sides of the body 1 and are provided with series of perforations 9.

The scoop structure is provided with

handles 10 which are preferably formed from wood and metallic strips 11 are bolted or otherwise secured to the lower forward end portions of the said handles. The said strips project beyond the ends of the handles and are pivoted upon the pintles 5 carried by the ears 4 of the bar 3¹. The said strips 11 are located outside of the wheels 6 which are journaled upon the said pintles. Each handle 10 is provided with an inwardly disposed pin 12 and the pins 12 of the handles are adapted to engage the perforations of the series 9 provided upon the end portions 8 of the bar 7.

A cross bar 13 is pivotally connected at one end with one of the handles 10 and at its intermediate point is provided with a rearwardly disposed handle 14. The said bar projects through an opening in the handle opposite the one to which it is pivotally connected and is provided with a series of notches 15 any one of which is adapted to receive a pin 16 which passes transversely through the opening in that handle 10 through which the said bar passes. By such arrangement it will be seen that by swinging the bar 13 so that its notches 15 are moved beyond the pin 16, the said bar 13 may be moved longitudinally so that the handles 10 may be swung apart. Thus the pins 12 may be disengaged from the perforations 9 in the end portions 8 of the bar 7. The handles 10 may then be swung upon the pintles 5 of the bar 3¹ and the pins 12 again inserted in perforations provided upon the end portions 8 of the bar 6 so that the handles are disposed at a proper angle to the bottom of the forward portions of the scoop 1. The said scoop may then be projected into or under material resting upon the ground or a horizontal surface and when the scoop is filled the handles 10 may again be swung apart so that the pins 12 are disengaged from the perforations 9 in the end portions 8 of the bar 7, and when this is done the body 1 may be swung upon the pintles 5 at an axis so that the upper edges of the said body will be approximately horizontal, thus the weight of the material carried by the body will be distributed at the front and rear sides of the axle bar 3¹ and the said body and its contents are practically counter-

balanced upon the supporting wheels 6. When the handles are thus adjusted they may be secured by swinging their rear end portions toward each other so that the pins 12 will engage the perforations 9 in the end portions 8 of the bar 7 and the handles are held in this relation by means of cross bar 13, the notches 15 of which will receive the pin 16 and hold the handles together.

10 When it is desired to dump the scoop by running the same up an incline or chute (not shown) the said scoop is pushed up the incline until it arrives at the upper end thereof when the rear end portions of the

15 handles 10 are swung apart and the pins 12 are disengaged from the perforations 9 in the end portions 8 of the bar 7 and thus the mouth portion of the body 1 is free to swing in a downward direction whereby

20 the contents of the said body will gravitate and the body 1 is freed of its contents. By reason of the fact that the body 1 is slightly wider at its bit end 2 than at its back end 3 the material will flow freely from the

25 said body when the mouth portion is swung in a downward direction at the time that the said material is dumped.

Having described the invention what I claim as new and desire to secure by Letters Patent is:

A scoop comprising a body having substantially semi-elliptical sides, an axle attached to the body, supporting wheels journaled upon the axle, handles, metallic strips secured to the handles and projecting beyond the ends thereof, and pivoted upon the axle beyond the outer sides of the supporting wheels, a bar attached to the body and provided with series of perforations, pins carried by the handles and adapted to enter said perforations, a bar pivoted to one of the handles and passing transversely through the other handle and being provided with notches, and a pin carried by the other handle for engaging the notches of the bars to hold said handles relatively to each other.

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

MERRITT L. McCRARY.

Witnesses:

E. P. WALTERS,
FRANK BECK.