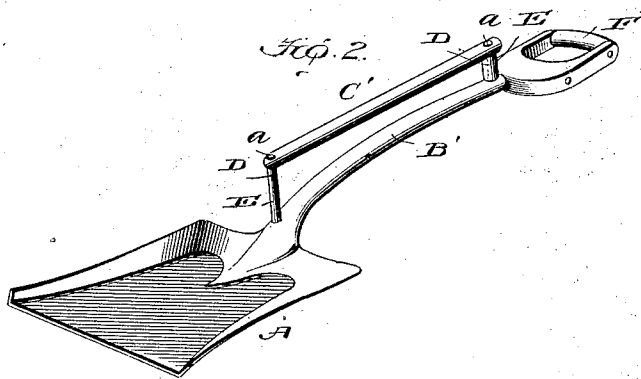
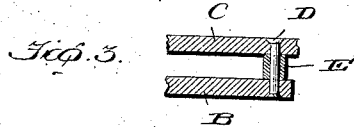
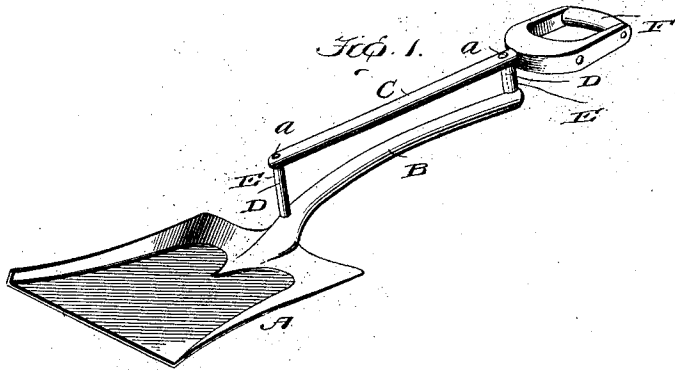


No. 826,928.

PATENTED JULY 24, 1906.

G. W. FLECK.
SHOVEL.

APPLICATION FILED APR. 23, 1906.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE W. FLECK, OF BARNHILL, OHIO.

SHOVEL.

No. 826,928.

Specification of Letters Patent.

Patented July 24, 1906.

Application filed April 23, 1906. Serial No. 313,261.

To all whom it may concern:

Be it known that I, GEORGE W. FLECK, a citizen of the United States, residing at Barnhill, in the county of Tuscarawas and State of Ohio, have invented new and useful Improvements in Shovels, of which the following is a specification.

My invention pertains to shovels; and it contemplates the provision of a shovel having an auxiliary handle-bar so arranged relative to the ordinary handle-bar that the user is enabled to manipulate the shovel and lift a load on the blade thereof without the imposition of undue strain on his back and is also enabled to take hold of the shovel closer to the blade and the weight thereon than with any form of handle extant.

Other advantageous features of the invention will be fully understood from the following description and claims when the same are read in connection with the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of the shovel constituting the preferred embodiment of my invention. Fig. 2 is a perspective view of a modified shovel constructed in accordance with my invention, and Fig. 3 is an enlarged detail section illustrating the means which I prefer to employ for connecting the auxiliary handle-bar to the ordinary handle-bar and for holding the said bars at the proper distance apart.

Referring by letter to the said drawings, and more particularly to Figs. 1 and 3 thereof, A is a shovel-blade which may be of the ordinary construction or of any other construction compatible with my invention and is preferably made of metal, and B is an ordinary handle-bar. The said handle-bar B is preferably of wood and is connected to the blade A in the usual or any other approved manner.

C is my novel auxiliary handle-bar, which is also preferably of wood. The said auxiliary handle-bar C is arranged above and in the plane of the handle-bar B throughout the length of the straight rear portion of the latter and is fixedly connected to the said handle-bar B, preferably through the medium of bolts D, which extend through the bars B and C and have their ends upset against the same, as indicated by *a*, and tubular blocks E, preferably of wood, arranged on the bolts D and between the two bars, the office of the

said tubular blocks E being to hold the bars B and C at the proper distance apart and in fixed relation to each other. At its rear end the auxiliary handle-bar C terminates in a handhold F, and this latter preferably extends in rear of the ordinary handle-bar B, as illustrated.

It will be gathered from the foregoing that a person using my novel shovel is enabled by grasping the auxiliary handle-bar C to manipulate the shovel and lift a load on the blade thereof without stooping to an undue extent and without placing undue strain on his back and is also enabled to take hold of the shovel at a point close to the blade and the weight thereon, as is always desirable. It will also be gathered that inasmuch as the shovel comprises two handle-bars the bars may be made smaller in cross-section than the handle-bars of ordinary shovels, and hence may be more easily gripped.

In the modified construction shown in Fig. 2 a plain auxiliary handle-bar C' is employed and the handhold F' is provided on the rear end of the ordinary handle-bar B'. In all other respects, however, the modified construction of Fig. 2 is similar to the embodiment shown in Fig. 1 and is possessed of practically all of the advantages hereinbefore ascribed to the latter. It may be said, however, that the embodiment shown in Fig. 1 is calculated to give the greatest satisfaction unless the ordinary handle-bar is possessed of considerable raise.

Notwithstanding the practical advantages possessed by my novel shovel, it will be noted that the same may be made almost if not quite as cheaply as an ordinary shovel; also, that my novel shovel is not appreciably heavier than an ordinary shovel. It will further be noted that when the embodiment shown in Fig. 2 is resorted to my improvements may be readily applied to shovels at present on the market or in use.

I have specifically described the construction and relative arrangement of the parts embraced in the present and preferred embodiments of my invention in order to impart a definite understanding of the said embodiments. I do not desire, however, to be understood as confining myself to the specific construction and relative arrangement of parts, as such changes or modifications may be made in practice as fairly fall within the scope of my claimed invention.

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

1. A shovel comprising a blade, a handle-
5 bar fixed thereto, and an auxiliary handle-
bar extending in the direction of the length of
the handle-bar at a slight distance above
same and from a point adjacent to the blade
to a point adjacent to the rear end of the han-
10 dle-bar and fixedly connected at its ends to
said handle-bar.

2. A shovel comprising a blade a handle-
bar fixed thereto, and an auxiliary handle-
15 bar extending in the direction of the length of
the handle-bar at a slight distance above
same and from a point adjacent to the blade
to a point adjacent to the rear end of the
handle-bar and fixedly connected at its ends

to said handle-bar and terminating at its
rear end in a handhold. 20

3. A shovel comprising a blade, a handle-
bar connected thereto, an auxiliary handle-
bar extending in the direction of the length of
the handle-bar and arranged at a slight dis-
tance from the same, bolts extending through 25
and connecting the end portions of the two
bars, and blocks mounted on the bolts and in-
terposed between the bars.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit- 30
nesses.

GEORGE W. FLECK.

Witnesses:

JOHN S. GRAHAM,
JOHN L. KENNEDY.