(No Model.)

G. C. TAYLOR.

TILE SCOOP.

No. 333,173. Patented Dec. 29, 1885.

Fig. 1.

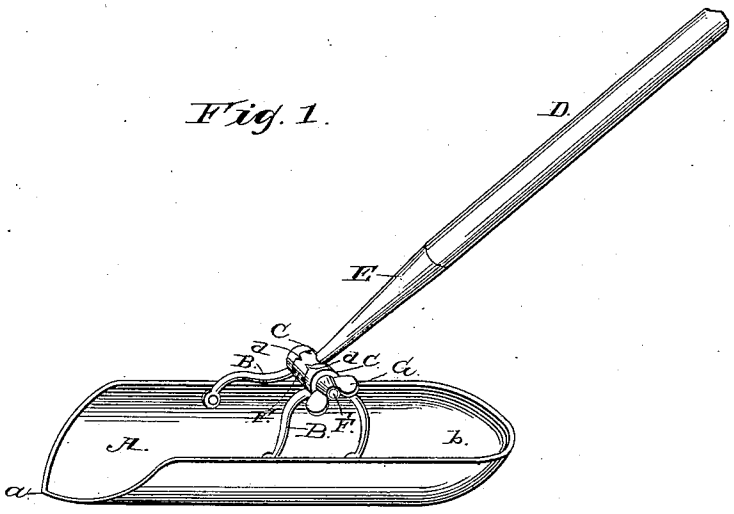


Fig. 2.

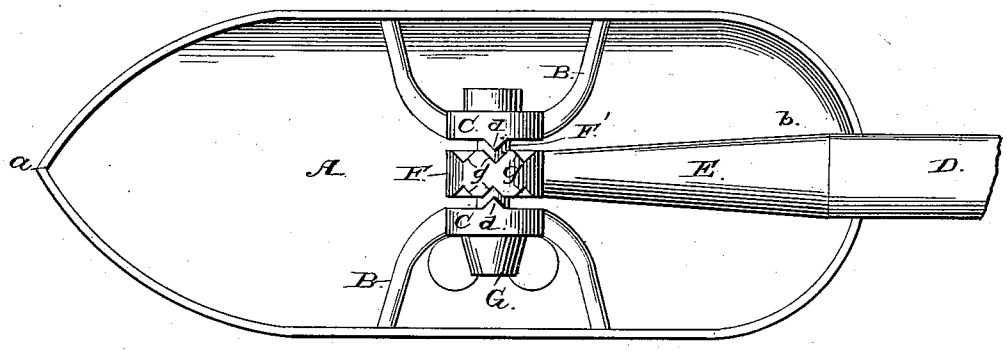
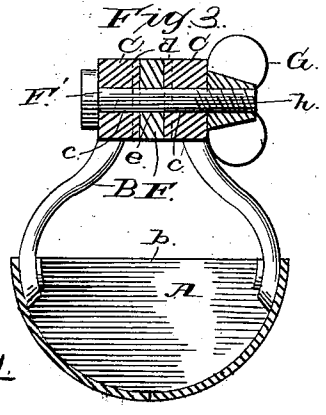


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE C. TAYLOR, OF HICKSVILLE, OHIO.

TILE-SCOOP.

SPECIFICATION forming part of Letters Patent No. 333,173, dated December 29, 1885.

Application filed March 24, 1885. Serial No. 160,003. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. TAYLOR, a citizen of the United States, residing at Hicksville, in the county of Defiance and State of Ohio, have invented a new and useful Improvement in Tile-Scoops, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improved tile or ditching scoop; and it has for its object to provide a device of this character which shall be simple in its construction and strong and durable.

A further object of the invention is to provide an improved construction of handle and means for attaching the same to the scoop, whereby the handle may be adjusted and securely held at any desired point of inclination.

With these ends in view the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a tile or ditching scoop constructed in accordance with my invention. Fig. 2 is a plan view of the same, showing the parts loosened to allow the handle to be adjusted; and Fig. 3 is a transverse section taken through the lower end of the handle and the scoop.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents the scoop, which is preferably semicircular or approximately that shape in cross-section. The said scoop has a pointed or cutting front end, *a*, while its rear end, *b*, is closed to prevent the dirt excavated from escaping from the scoop while removing the same from the ditch.

B represents braces, which are secured, preferably, to the inner opposite sides of the scoop at a point a slight distance from the rear end thereof. The said braces B are bent inwardly from their point of attachment, so that their upper ends are very nearly together, and said upper ends of the braces B are formed with upwardly-extending lugs C, having holes or openings *c*. Said lugs C are also formed on their inner sides with inwardly-extending nibs *d*.

D represents the handle, at the lower end of which is fitted a ferrule, E. The said ferrule E is formed at its lower end with a head, F, having a hole or opening, *e*, and said head is formed upon its sides with a series of grooves or depressions, *g*, which are adapted to be engaged by the nibs *d*.

F′ represents a bolt which is threaded at one end, as shown at *h*, said bolt passing through the holes or openings in the lugs C and the opening in the head F. A thumb-nut, G, engages the threaded end of the bolt F′, and when said nut is tightened it will be seen that the handle will be firmly and securely clasped between the lugs C, the nibs of said lugs fitting the grooves in the head F, and thus preventing the movement of the handle. The handle may, however, be adjusted at any desired angle by loosening the thumb-nut and adjusting the handle to the desired point, and then tightening the nut. By this arrangement the scoop may be operated by pulling or pushing the same; or the handle may be adjusted to operate the scoop from without the ditch.

I am aware of the patents to Chambard, No. 270,016; Immel, No. 300,870, and Iwan, No. 287,027, and do not claim anything shown therein.

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

The scoop A, in combination with the braces B, two on each side, having their upper ends curved inward toward each other, disks or lugs C, formed integrally with the upper ends of the braces, holes or openings provided through the disks or lugs, ribs or spurs *d*, extending inwardly from the latter, the handle D, fitted with a ferrule, E, a circular perforated head or disk, F, at the outer end of the ferrule, a headed bolt, F′, passing through the holes or perforations of the disks C F, and a thumb-nut, G, engaging with the threaded end of the bolt, arranged and operating as set forth.

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

GEORGE C. TAYLOR.

Witnesses:
L. E. GRIFFIN,
G. F. KNIGHT.