W. J. GRIFFITHS.

SCOOP.

No. 192,987. Patented July 10, 1877.

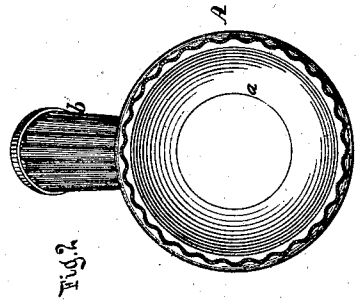


Fig. 2.

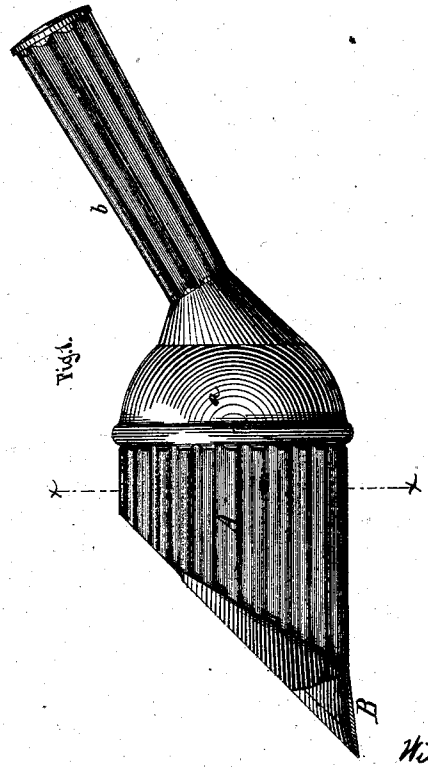


Fig. 1.

Witnesses.

Otto Hufeland.

Hugo Bruggemann

Inventor.

William John Griffiths

by

Van Santvoord & Hauff

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N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM J. GRIFFITHS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SCOOPS.

Specification forming part of Letters Patent No. **192,987**, dated July 10, 1877; application filed February 14, 1877.

To all whom it may concern:

Be it known that I, WILLIAM JOHN GRIFFITHS, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Sheet-Metal Scoops, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a sectional side view. Fig. 2 is a transverse section in the plane *x x*, Fig. 1.

Similar letters indicate corresponding parts.

My invention consists in a corrugated sheet-metal scoop provided with an inclined shoe at its front end of malleable iron or steel, which forms a continuation of the scoop, and serves to protect it from wear, as hereinafter more fully specified.

In the drawing, the letter A presents a sheet-metal scoop, the body of which is corrugated. The said body is made in the form of a cylinder, corrugated throughout, and cut off in front in an oblique direction, and provided at its rear end with a hemispherical head, *a*, to which is secured the handle *b*. The corrugations may be terminated inside of said body at some distance from its back end, the object of said corrugations being to increase the strength of the body, and particularly that of its front edge, so that when my scoop is used, for instance, for the purpose of taking lump-sugar out of a barrel, its front edge, in being pushed into the sugar, is less liable to curl up than it is if left plain. At the same time, if the corrugations extend throughout the cylindrical portion of the body of the scoop in a longitudinal direction, as shown in the drawing, an article of superior strength and durability is obtained.

On the corrugated front edge of my scoop I have secured a shoe, B, of malleable iron, steel, or other firm and hard material. This shoe is provided with a sharp edge, so that it penetrates the material to be scooped up with ease and facility, and that the durability of my scoop is materially increased. Said shoe may be cast or produced in any other desirable manner, and it is secured to the body of the scoop either by soldering or by any other suitable means.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the handle and hemispherical head of a sheet-metal scoop, the cylindrical body A, made from a single piece of sheet metal, corrugated throughout its longitudinal and cylindrical surface, as and for the purpose herein shown and described.

2. A sheet-metal scoop having a cylindrical part made from a single piece of metal corrugated throughout its longitudinal and cylindrical surface, said cylindrical corrugated scoop-body being cut off in front in an oblique direction, shod on its edge with an iron or steel strip, and provided at its rear with a hemispherical head, to which is secured the handle, substantially as herein shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 12th day of February, 1877.

WILLIAM JOHN GRIFFITHS. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.