

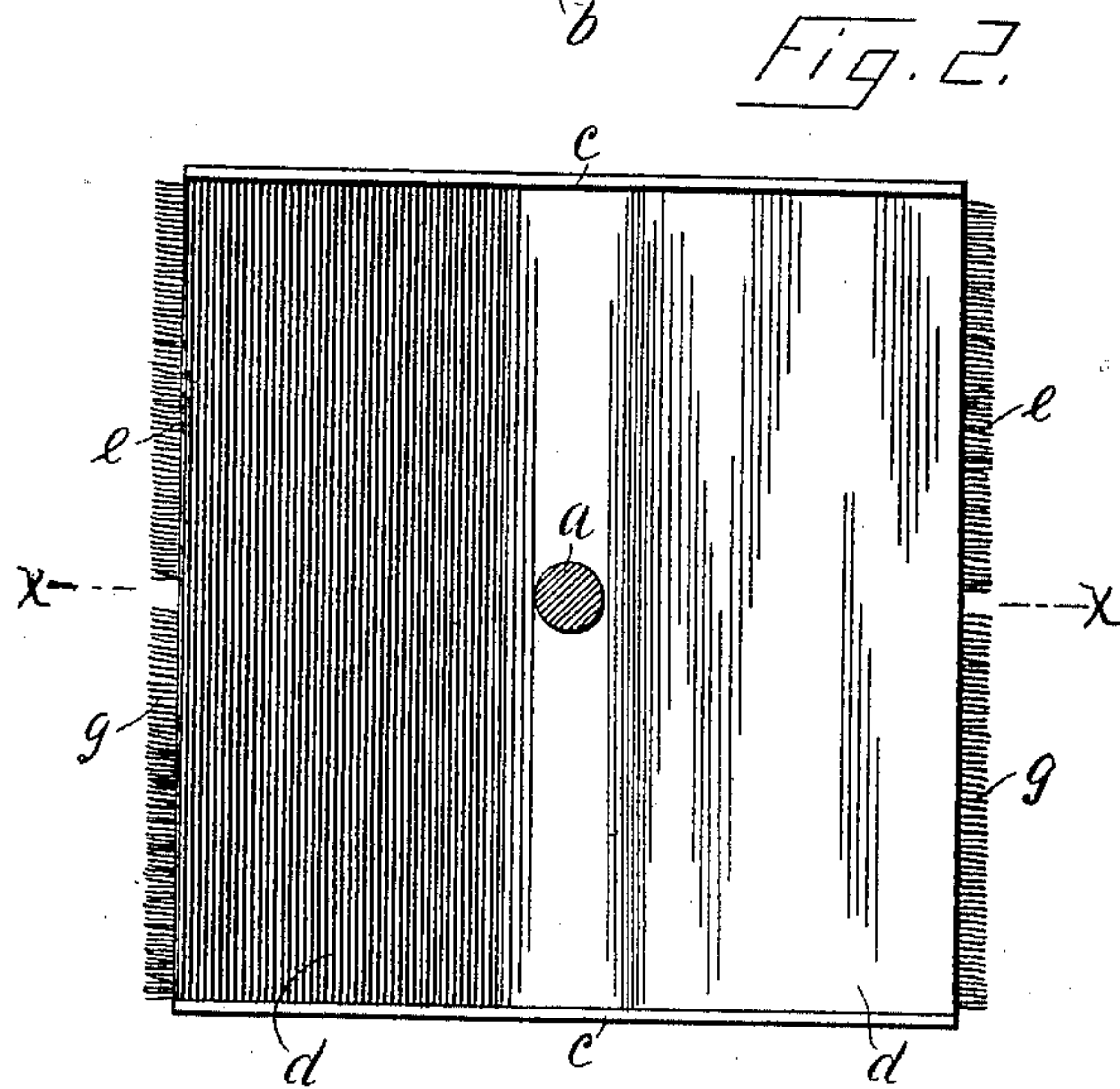
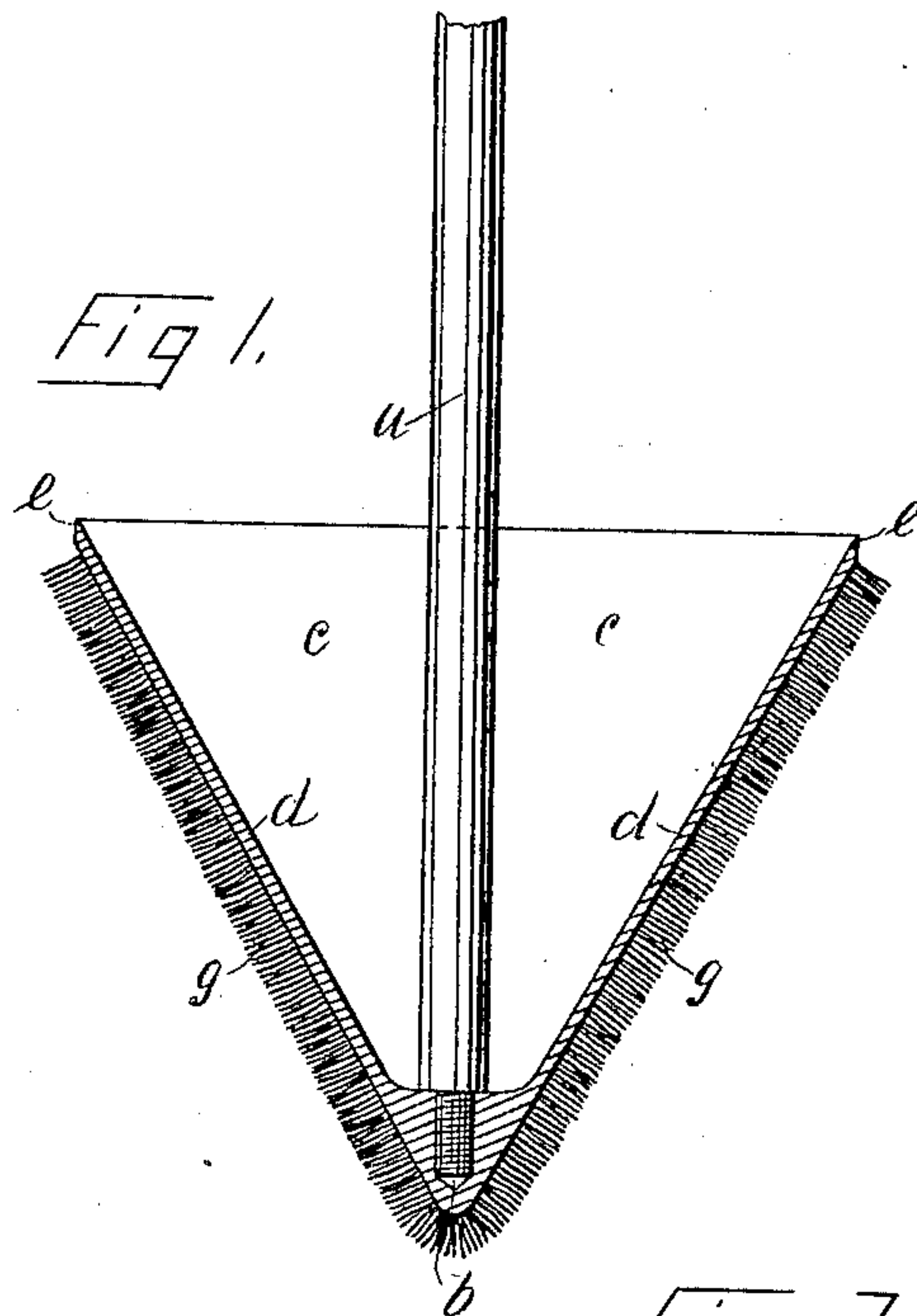
No. 630,261.

Patented Aug. 1, 1899.

G. A. McLANE.
BARNACLE SCRAPER.

(Application filed Mar. 31, 1899.)

(No Model.)



WITNESSES:

Sydney Drysdale
Chas. McComb

INVENTOR

George Alvah McLane
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE ALVAH McLANE, OF NEW YORK, N. Y.

BARNACLE-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 630,261, dated August 1, 1899.

Application filed March 31, 1899. Serial No. 711,299. (No model.)

To all whom it may concern:

Be it known that I, GEORGE ALVAH McLANE, a citizen of the United States, and a resident of New York, (Brooklyn,) county of Kings, and State of New York, have invented certain new and useful Improvements in Barnacle-Scrapers, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to an improvement in barnacle-scrapers, and is particularly adapted to be used for cleaning ship's hulls, in connection with the device described in my application, Serial No. 704,843, filed February 7, 1899, upon the run, under the counter, and such other parts of the hull as cannot be reached by the above-mentioned device.

The invention consists in the employment of a V-shaped steel bucket fixed upon the end of a pole, the inclined faces of the bucket being provided with brushes.

In the accompanying drawings, Figure 1 is a sectional view of the device, and Fig. 2 is a plan view.

In constructing my device I employ a handle or pole *a*, which is preferably threaded into the apex *b* of the scraper. The scraper consists of a wedge-shaped bucket having two parallel side walls *c c* and two inclined walls *d d*. The upper edges of these inclined walls are sharpened at *e*, these sharpened edges forming cutters adapted to cut barnacles or any form of marine growth from the bottom of the ship's hull. The outer side of the in-

clined walls *d d* are provided with the brushes *g g*, which may entirely cover the said inclined walls or may be arranged in a series of rows of bristles, if preferred.

In the operation of the device the barnacles, grass, or other marine growth is first cut roughly from the ship's bottom by the sharpened edges *e* of the inclined walls. After this has been done the side is thoroughly cleaned by means of the brushes *g g*, which will remove any growth remaining after the cutters have been passed over the surface. The brushes may be of metal wire or other suitable substance adaptable for the purpose, and the pole *a* may be riveted or otherwise fastened to the scraper.

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

1. An improved barnacle-scraper embodying a wedge-shaped bucket, a pole fixed thereto, the inclined walls of said bucket being provided with cutting edges, substantially as described.

2. An improved barnacle-scraper embodying a wedge-shaped bucket, a pole fixed thereto, and brushes fixed upon the inclined walls of said bucket, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 29th day of March, 1899.

GEORGE ALVAH McLANE.

Witnesses:

SYDNEY I. PRESCOTT,
BELLE MCCOMB.