

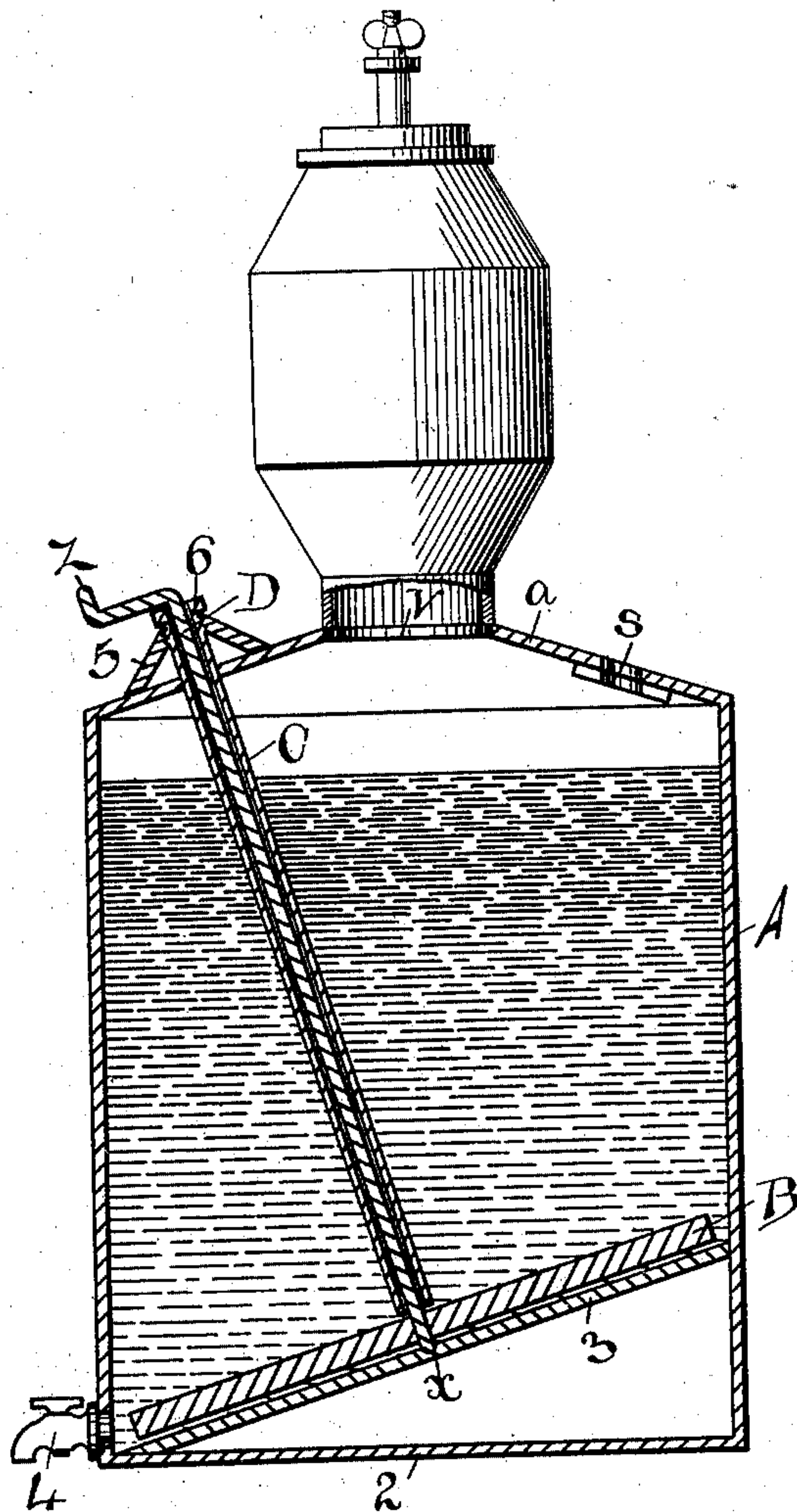
No. 752,713.

PATENTED FEB. 23, 1904.

A. E. SCHLIEDER.
ACETYLENE GAS GENERATOR.

APPLICATION FILED APR. 24, 1901.

NO MODEL.



WITNESSES:

J. P. Larson.

W. C. Windsor.

BY

INVENTOR:
Augustus E. Schlieder
Geo. W. Suss. Attorney.

UNITED STATES PATENT OFFICE.

AUGUSTUS E. SCHLIEDER, OF OMAHA, NEBRASKA.

ACETYLENE-GAS GENERATOR.

SPECIFICATION forming part of Letters Patent No. 752,713, dated February 23, 1904.

Application filed April 24, 1901. Serial No. 57,210. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS E. SCHLIEDER, residing at Omaha, in the county of Douglas and State of Nebraska, have invented
5 certain useful Improvements in Acetylene-Gas Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable
10 others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

This invention relates to a new and useful improvement in gas-generating tanks.

15 The object of my invention is to provide a gas-generating tank so constructed that the sediment in the generating-tank may be readily removed, this being accomplished in providing the tank with a bottom set at an incline or bevel and providing a shaft revolubly
20 held and arranged centrally of and at right angles to the plane of said bottom and providing suitable top and bottom bearings for said shaft, provided with paddles secured to
25 the same, which work above the inclined bottom, a suitable stop-cock being provided, so that upon rotating the paddles the contents within the generating-tank will be thoroughly agitated, so that the sediment may be with-
30 drawn through the stop-cock to empty the tank.

In the accompanying drawing I have shown a central sectional view of a generating-tank embodying my invention.

35 In carrying out the aim of my invention I provide a generating-tank A, of any suitable size, with the bottom 2 and the top or breast α , the top or breast being provided with the openings v and s to receive the carbid-holder and gas-exit pipe, respectively. Above the
40 bottom 2 I provide an inclined or beveled base 3, provided with a bearing-opening x , from which extends the shaft D, provided above with the operating-handle z , as clearly
45 shown in the drawing. The breast or top α

is further provided with the reinforcing-collar 5 and a suitable opening below the same, through which extends a suitable pipe C, which is open-ended and is provided above
50 with the collar 6, so that this pipe or tube C may be readily threaded into the collar 5.

The shaft D is provided below with a paddle B, securely fixed to the same, and is held within the pipe or tube C, as shown in the
55 drawing.

In arranging the instrumentalities the shaft D is first inserted through the tube C. This tube is then threaded into the collar 5, when the paddle or scraper B is secured to the shaft
60 D, which is then inserted within the lower bearing x , as shown in the figure. Now upon rotating the scraper blade or paddle B, which is secured to the shaft, the bottom is scraped to practically clean the entire surface of the
65 base or bottom to remove the carbid sediment.

At a suitable point the carbid-holder is provided with the stop-cock or faucet 4, so that the contents of the tank may be emptied.

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

In an acetylene-gas generator, the combination with the gas-generating tank, having an inclined or bevel base and a carbid-holder, communicating therewith, of a revoluble shaft
75 arranged centrally of and at right angles to the plane of said base, top and bottom bearings for the shaft secured to the upper part of the tank and base respectively, and a series of scraper-blades operatively secured to the
80 shaft, whereby upon rotating the latter, the blades are adapted to scrape or clean, practically, the entire surface of the base substantially as set forth.

Signed in the presence of two witnesses.

AUGUSTUS E. SCHLIEDER.

Witnesses:

MARGARET BOEKHOFF,
R. J. DAVENPORT.