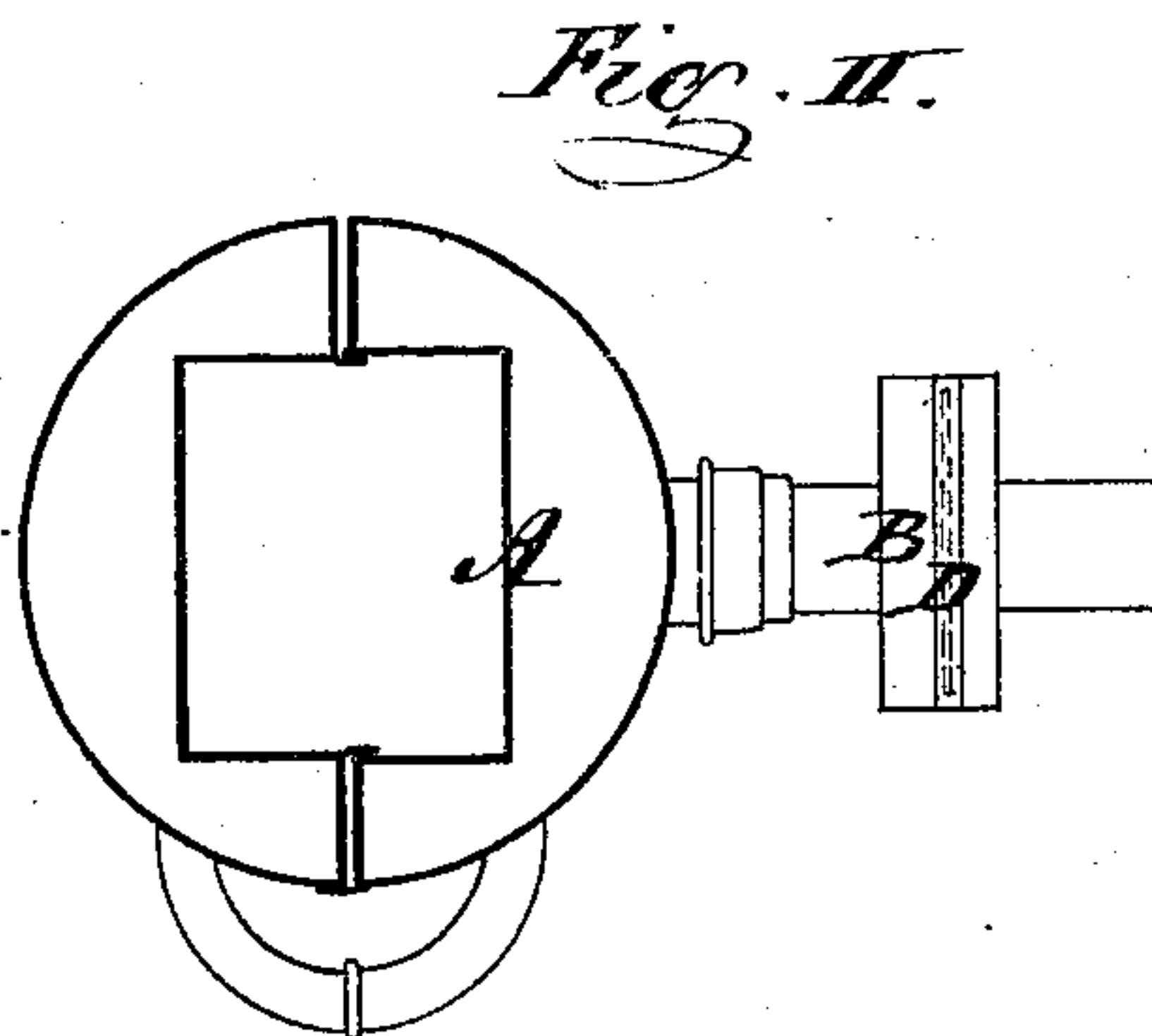
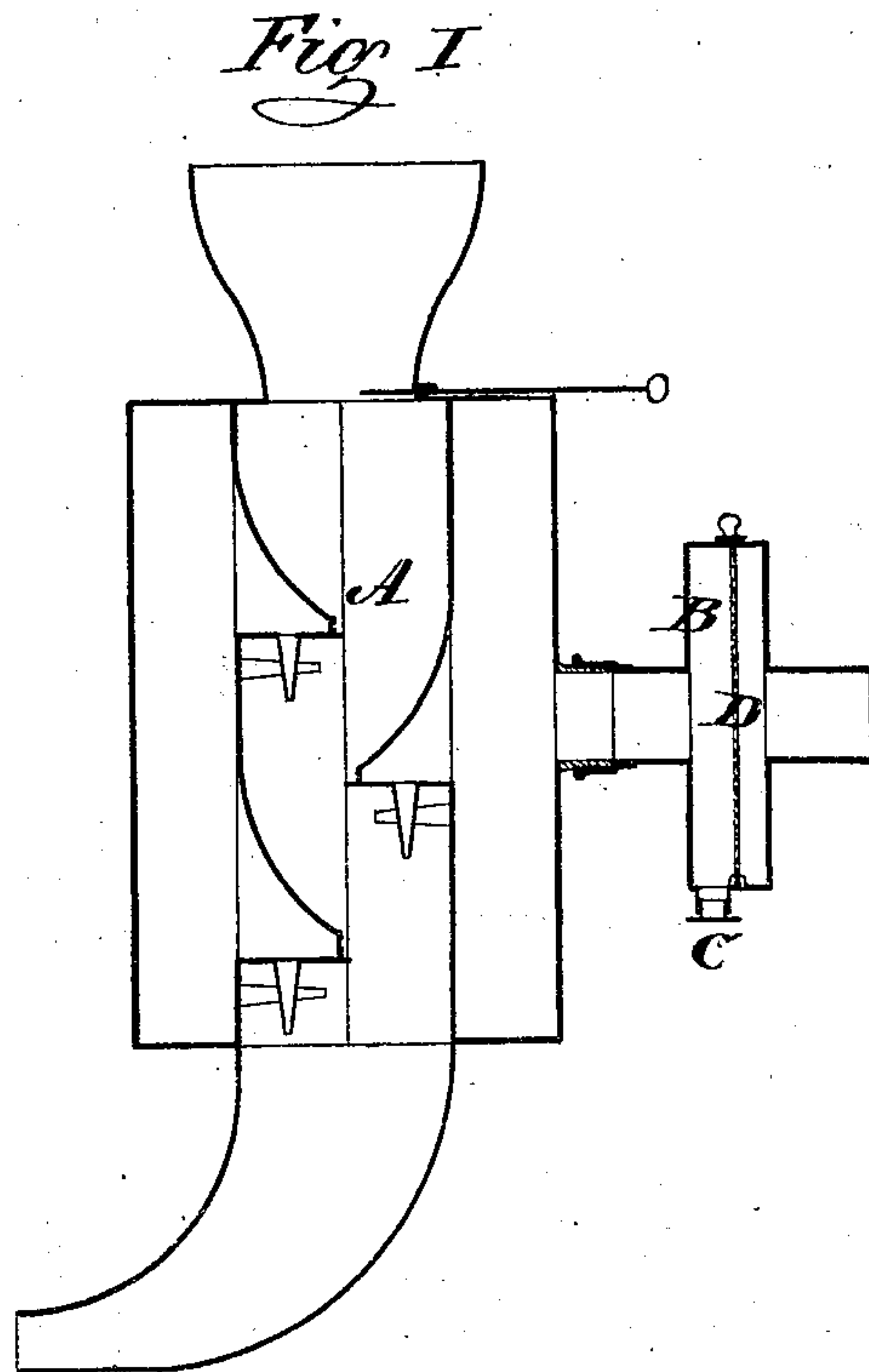


J. SCHAFHAUS.

Mash-Machines for Brewers.

No. 148,508.

Patented March 10, 1874.



Witnesses.
John Hook
Co Thornton

Inventor:
John Schafhaus
per Henry C. Roder
Attorney.

UNITED STATES PATENT OFFICE.

JOHN SCHAFHAUS, OF NEW YORK, N. Y.

IMPROVEMENT IN MASH-MACHINES FOR BREWERS.

Specification forming part of Letters Patent No. **148,508**, dated March 10, 1874; application filed October 27, 1873.

To all whom it may concern:

Be it known that I, JOHN SCHAFHAUS, of New York, in the State of New York, have invented a new and useful Improvement in Mash-Machines, of which the following is a specification:

The nature of my invention consists in the arrangement of a suitable chamber containing a movable sieve on the outside of the mash-machine, through which all water required in the mashing process is made to pass to be deprived of any impurities contained therein, and by which arrangement this sieve can at any time be readily cleaned.

In the accompanying drawing, Figure I represents a section of a mash-machine with my improved sieve attached. Fig. II is a horizontal section of the mashing-machine, with a top view of the sieve-chamber.

This invention is particularly intended for mashing-machines, as shown at A, where the malt passes through a central chamber, where it is met by a number of streams of water, sup-

plied by water contained in a surrounding casing. Any sieve placed into this surrounding casing would be very difficult to clean, and I arrange, therefore, a chamber, B, on the outside of the mash-machine, in which a sieve, D, is placed. On the bottom of the chamber B an opening, C, is made, for the purpose of cleaning said chamber of any sediment which may collect therein. The sieve D is fitted into the chamber B, working in suitable guides, so as to be easily removed when the same and the chamber require to be cleaned.

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

In combination with a mash-machine, A, as described, or its equivalent, a chamber, B, containing a movable sieve, D, arranged substantially in the manner and for the purpose set forth.

JOHN SCHAFHAUS.

Witnesses:

HENRY E. ROEDER,
J. B. NONES.