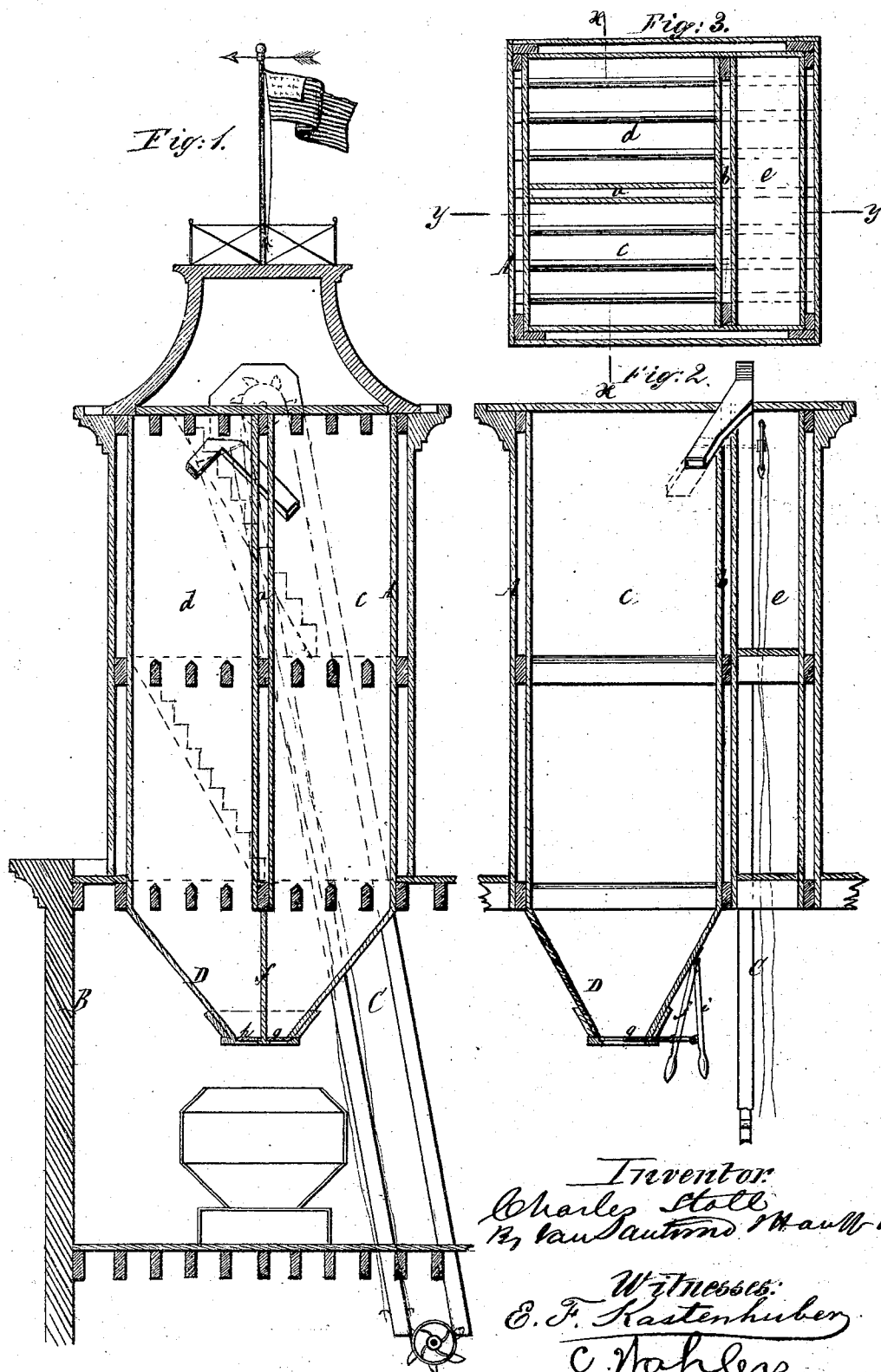


No. 110,601.

PATENTED DEC. 27, 1870.

C. STOLL.
MALT RESERVOIR.



Inventor:
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CHARLES STOLL, OF BROOKLYN, NEW YORK.

Letters Patent No. 110,601, dated December 27, 1870.

IMPROVEMENT IN MALT-RESERVOIRS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES STOLL, of Brooklyn, in the county of Kings and State of New York, have invented a new and improved Malt-Reservoir; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a vertical section of this invention in the plane *x x*, fig. 3.

Figure 2 is a similar section of the same in the plane *y y*, fig. 3.

Figure 3 is a horizontal section of the same.

Similar letters indicate corresponding parts.

This invention relates to a malt-reservoir, which is built in the form of a tower, and divided by vertical partitions in three compartments; one to form the well of an elevator, and the others to receive malt of different kind, the elevator being provided with two spouts, one to each malt-compartment, while the malt-compartments have inclined bottoms forming a hopper, which is closed at its mouth by two slides, which serve to let out the malt from the two compartments in such a manner that the malt being stored in a tower, is supplied with a sufficient quantity of fresh air to prevent it from molding; and furthermore, no dust can get to the malt, and it can be readily kept out of contact with the light and with moisture, so that it is not liable to sprout; and the necessity of handling the same is avoided, since it can be readily caused to slide down from the tower to the mill, and into the malt-house or brewery; and by providing the tower with two malt-compartments with a common outlet, malt of different kinds can be readily mixed.

In the drawing—

The letter A designates a tower, which is built upon the roof of a brewery, B, and which is divided by vertical partitions, *a b*, (see fig. 3,) in three compartments, *c d e*.

The compartment *e* forms the well for an elevator, C, while the compartments *c d* are intended to receive malt of different kind, the elevator being provided with two spouts, one to each compartment.

The bottoms of the compartments *c d* are inclined, so as to form a hopper, D, which is divided by the partition *f* (see fig. 1) in two compartments cor-

responding to or forming parts of the malt-compartments *c d*.

The outlet of each of these compartments is controlled by a slide, *g* or *h*, fitted in the mouth of the hopper D, and operated by hand-levers *i j*, or by any other suitable means.

If both slides are thrown open, the two kinds of malt contained in the compartments *c d* are mixed, but if one of the slides is closed and the other opened only one kind of malt discharges.

As the malt discharges from the compartments *c d* it is conducted immediately to the brewery below, and no further handling of the same is required.

The outside walls of the tower A are intended to be double, so as to protect the malt effectually against the influence of atmospheric changes, and by storing the malt in a tower rising from the top of the malt-house, it is placed in such a position that it is exposed to sufficient draught of air to prevent it from heating or molding or from sprouting; and furthermore it is kept free from all dust and from contact with the light, and after it has been once elevated to the tower, it requires no further handling.

In my reservoir malt can be preserved for a long time; and if it is desired to turn the same over to be refreshed it can be readily made to run down, and then again elevated without requiring any hand labor, the elevator being driven by power.

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

The arrangement of a tower, A, having double walls to keep out the moisture and light, and divided in three compartments *c d e*, one for the elevator and the two others to receive different kinds of malt, the elevator being provided with two spouts, one for each malt-compartment, and the malt-compartments being closed at the bottom by a common hopper provided with slides which allow of mixing the two kinds of malt or of discharging each kind of malt independent of the other, as herein shown and described.

CHARLES STOLL.

Witnesses:

EDWARD HAAS,
W. HAUFF.