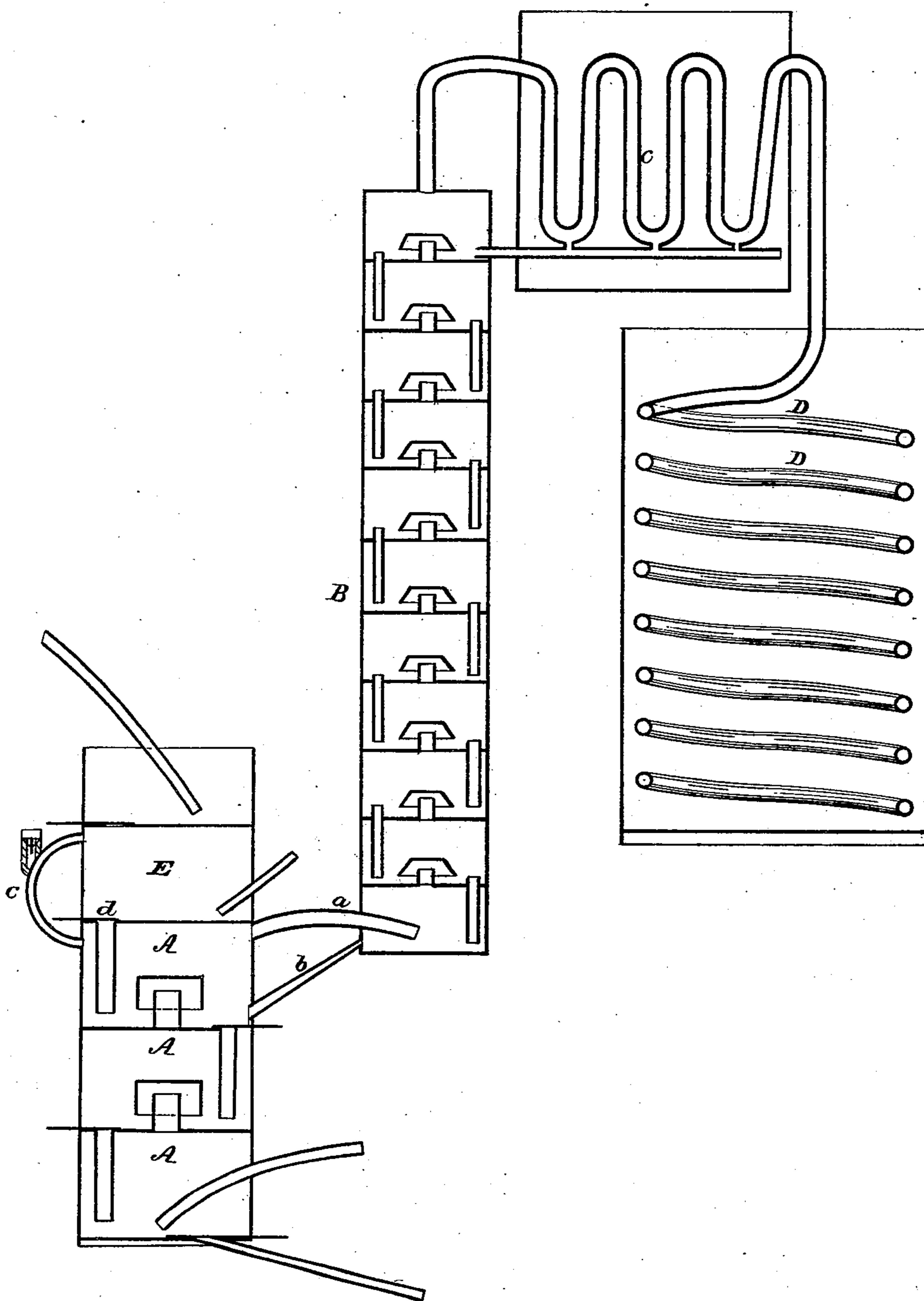


W. CORFIELD.

Alcohol Still.

No. 85,287.

Patented Dec. 29, 1868.



Witnesses:  
Frank Fuller  
Samuel Cleveland

Inventor:  
William Corfield



WILLIAM CORFIELD, OF PHILADELPHIA, PENNSYLVANIA.

*Letters Patent No. 85,287, dated December 29, 1868.*

**IMPROVED DISTILLING-APPARATUS.**

*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, WILLIAM CORFIELD, of the city of Philadelphia, State of Pennsylvania, United States of America, have invented certain Improvements in Distilling-Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention is the use, in combination, of certain apparatus, hereinafter particularly described, for the purpose of producing spirits of high proof directly from the mash, beer, or other substance, by a process of continuous distillation.

This apparatus consists in the combination of—

First, a still, such as is in common use, for the manufacture of whiskey.

Second, a column, goose, worm, and other connections and attachments, now ordinarily employed in the United States for the making of alcohol.

Third, an auxiliary closed vessel or vessels, in which the mash, beer, or other substance, is heated, preparatory to being placed in an upper compartment of the still, and in connection with it.

In order to enable the public more fully to understand the nature of my invention, and those skilled in the arts to use the same, I will describe it as follows, reference being had to the accompanying drawing, which is lettered to correspond with and which forms a part of this specification, and in which the figure represents an exterior view of the combination, below more particularly described.

A represents a still, such as is in general use, for the manufacture of whiskey.

B represents the column,

C, the goose, and

D, the worm, with the usual accompanying pipes, connections, and attachments, now used for the production of alcohol, connected to A by the pipe *a*, and the return-pipe *b*.

E represents the said auxiliary closed vessel, connected to A by means of the pipe *c*, or otherwise.

I first heat the mash, beer, or other substance, in the said auxiliary closed vessel E, which is provided with proper pipes or valves, connecting it with an upper compartment of the still A. Through these pipes or valves the mash, when sufficiently heated, is introduced into the said still A, and, when so introduced, puts no check to the process of distillation. The vapor arising from the distillation in A, passes through the pipe *a* into the column B, and thence, through said column, into the goose C, and the worm D, whence, when condensed, it is drawn.

I am aware that the process of distillation has been hastened, and secured from interruption, by the use of the said auxiliary closed vessel E, for the purpose of heating the mash prior to introducing it into the still, but, by the use of the apparatus above described, I not only put no stop or check to the process of distillation, but I am enabled, by the process of continuous distillation which is thereby secured, to manufacture spirits of high proof directly from the mash, beer, or other substance.

I do not claim as new, either the separate chamber for heating the mash, or the still, or the column, goose, or other connections; but

What I claim as new and useful, and what I desire to secure by Letters Patent of the United States, is—

1. The combination of the still A, the pipes *a* and *b*, and the column B, goose C, and worm D, with their usual respective connections and attachments, together with the auxiliary closed vessel E, and the pipe *c*, and pipe or valve *d*, as and for the purposes specified.

2. Heating the mash, beer, or other substance, before being used in the process of continuous distillation, in an apparatus composed of the ordinary whiskey-still, the ordinary alcohol-column, and the goose, worm, and attachments, substantially as and for the purposes specified.

Witnesses:

WILLIAM CORFIELD.

FRANK FULLER,

SAM'L M. CLEVELAND.