Milroy, Vaughn & Turley.

Soda-Fountain.

No. 74708 Patented Feb. 18, 1868.

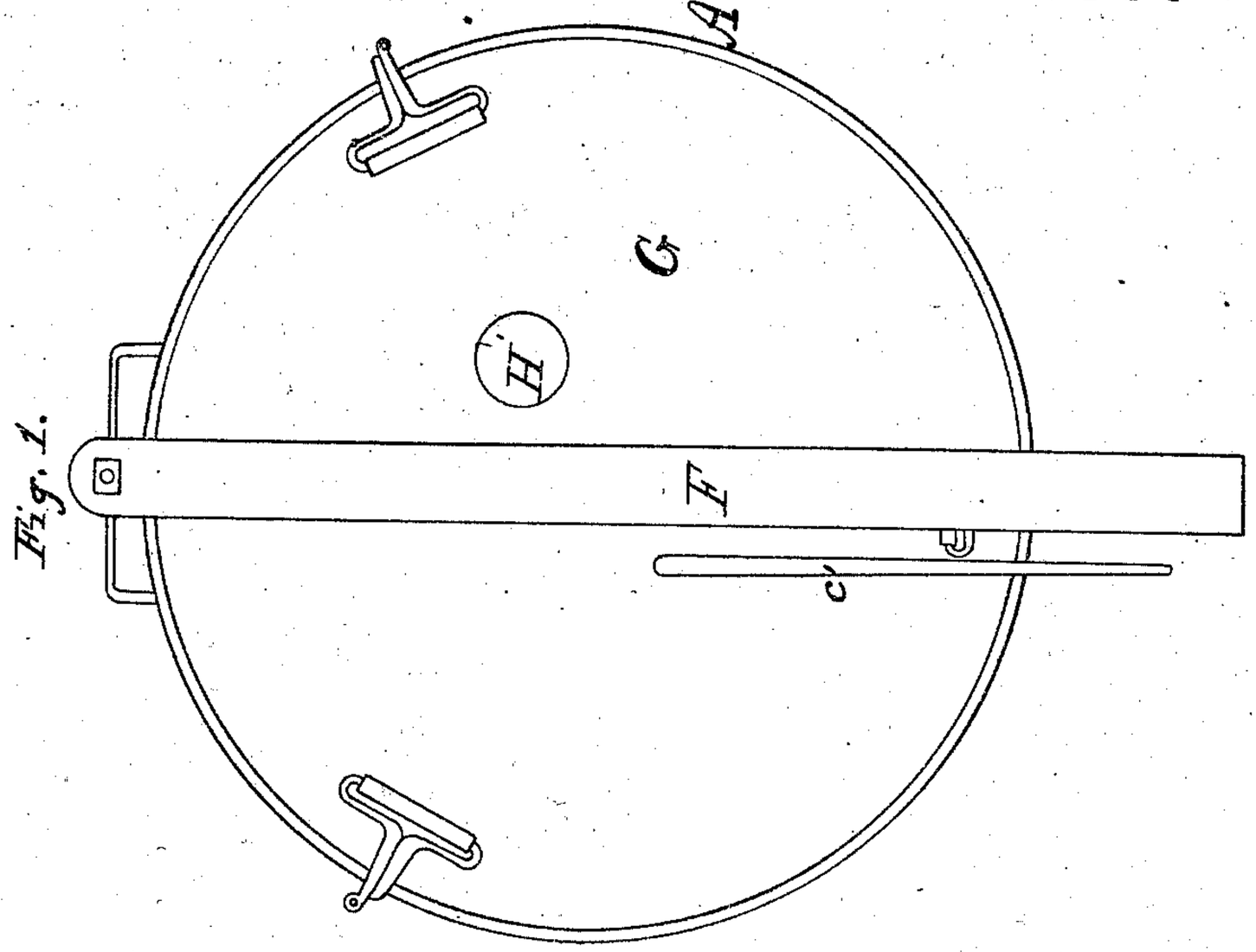

Fig. 1.

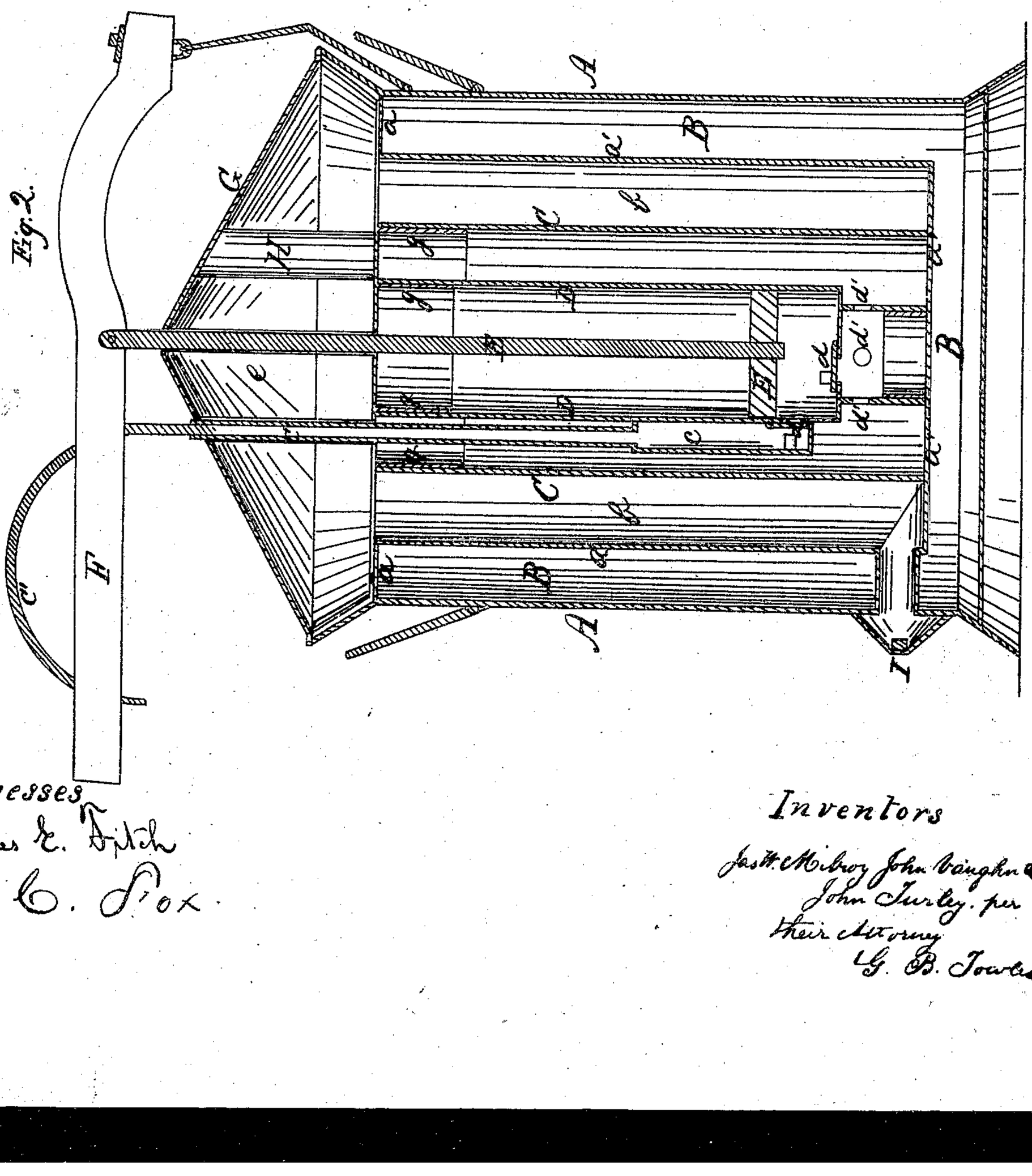

Fig. 2.

Witnesses
James E. Fitch
P. C. Fox.

Inventors
Jas. H. Milroy John Vaughn &
John Turley. per
their Attorney
G. B. Towles

United States Patent Office.

JAMES W. MILROY, JOHN VAUGHN, AND JOHN TURLEY, OF GALVESTON, INDIANA.

Letters Patent No. 74,708, *dated February* 18, 1868.

IMPROVEMENT IN SODA-FOUNTAINS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, JAMES W. MILROY, JOHN VAUGHN, and JOHN TURLEY, of Galveston, in the county of Cass, and State of Indiana, have invented a new and useful Improvement in Soda-Fountains; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a top view,

Figure 2 a transverse vertical section.

Like letters in the two figures of the drawings indicate like parts.

We are aware of the common force-pump being used in soda-fountains to dispense with the use of carbonic-acid gas or air, therefore we do not claim any novelty in the use of a force-pump in this connection, but simply claim an improvement upon this principle, which consists in the construction of a cylinder within a double air-tight cylinder, filled with charcoal or other non-conducting material, so as to form an intervening space or chamber between said cylinder and double cylinder, to receive the ice, and the combination of a pump-cylinder with said cylinder, arranged with valves, valve-box, and discharge-tube, whereby the soda-water may be kept more perfectly cool for use.

To enable any one skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

A is the fountain, constructed with an inner cylinder, *a'*, and properly secured by a plate, *a*, around the top of the fountain. The space or chamber B thus formed being air-tight, is filled with charcoal or other non-conducting material. C is the cylinder, so constructed as to leave a chamber, *b*, for ice. D is the pump-cylinder, placed within the cylinder C, with discharge-tube *c'* connecting with valve-box *c* of the pump. The pump is elevated on a box, with perforations *d'*, for the admission of soda-water from the cylinder C. *d d* ▪ e the valves. E is the piston and rod; F, the handle. G is the lid or cover, constructed conically on the top, and straight across on the under side. The space *e* thus formed is filled with charcoal, like the sides of the fountain. The lid fits down within the inclined top sides of the fountain, resting on the plate *a.'* The pump-cylinder and cylinder C are made tight when lid is on by the close fit of plates *g* within them, attached to cross-plate of lid.

Operation: The chamber *b* is filled and packed with ice, and when the soda-water has been made, it is poured into the cylinder C, around pump, through the tube H constructed through the lid, and by moving the handle up and down, it is pumped out through discharge-tube for use. The water from the ice is drawn off at I, the non-conducting top and sides of the fountain preserving the ice in the chamber from the heat, and thus keeping the soda-water cool at all times for use.

Having thus fully described our invention, what we claim therein as new, and desire to secure by Letters Patent, is—

The construction and arrangement of the fountain A, lid G, cylinder C, in combination with the pump-cylinder D, as arranged with the valve-box *c* and discharge-tube C and valves *d d*, substantially in the manner and for the purpose as herein described and shown.

J. W. MILROY,
JOHN VAUGHN,
JOHN TURLEY.

Witnesses:
DAVID THOMAS,
WM. R. LAMB.