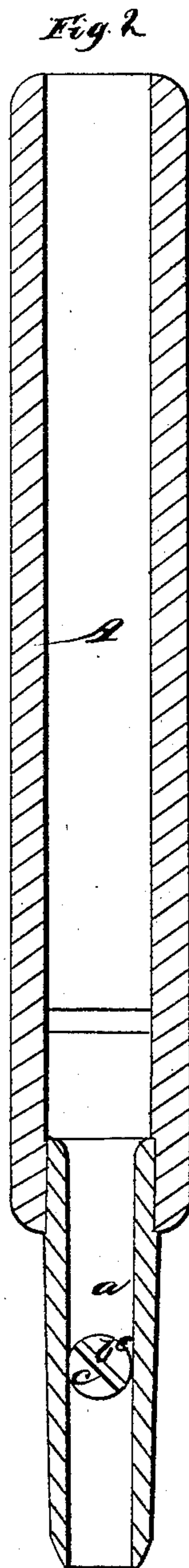
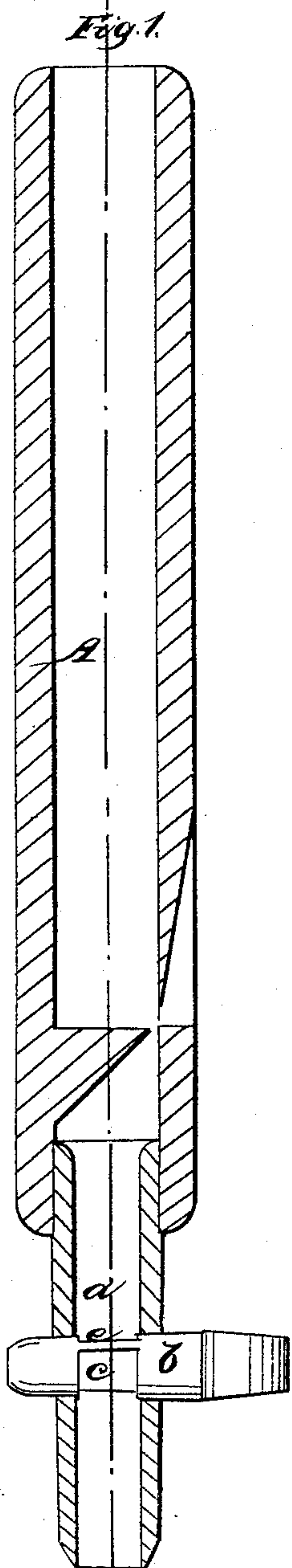


D. George,
Organ Pipe,
Nº 13,642, Patented Oct. 9, 1855.



UNITED STATES PATENT OFFICE.

DANIEL GEORGE, OF NAZARETH, PENNSYLVANIA.

WIND-REGULATOR FOR ORGAN-PIPES.

Specification of Letters Patent No. 13,642, dated October 9, 1855.

To all whom it may concern:

Be it known that I, DANIEL GEORGE, of Nazareth, in the county of Northampton and State of Pennsylvania, have invented a
5 new and useful Method of Regulating the Wind in Organ-Pipes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings,
10 forming part of this specification, in which—

Figures 1, and 2, are sections at right angles to each other of an organ pipe with my improved wind regulator attached.

15 Similar letters of reference indicate corresponding parts in both figures.

The invention consists in constructing the lower part of each pipe of an organ with a transverse seat to receive a plug with passages in it resembling a faucet. By turning
20 this plug the passage for the wind is enlarged or contracted and thus the tone of the pipe regulated.

A, is an organ pipe constructed in the
25 common way with the exception of its being formed with a neck *a*, at the bottom which may be rather smaller than the pipe. This neck is bored transversely to receive the plug, *b*, which is simply pushed into its seat
30 by hand requiring no nut or other means of securing it in place. This plug has two passages *c*, *c*, on opposite sides of it. The plug may be of wood or metal but I should

always make it of hard wood as it is cheaper and equally as good or better. The neck of 35 the pipe should also preferably be made of wood.

One of the advantages of this regulator is that there is no necessity of laying out the canal which leads from the wind receiver to 40 the pipes, to a correct scale, as there is in organs as at present constructed. The size of the canal is immaterial provided it be large enough, as for instance the smallest sized pipes might be set on the largest canals 45 and their tone could be regulated.

By the use of this regulator any pipe can be tuned at pleasure conveniently and correctly. All the pipes can be made by this means equally loud. The regulator admits 50 of the pipes being tuned half a note higher or lower.

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

Constructing the lower part of each or 55 any of the pipes of an organ with a transverse seat fitted with a plug, *b*, like that of a faucet having a suitable passage or passages the area of which is regulated by turning the plug, for the purpose of regulating 60 the tone of the tube and tuning the instrument substantially as herein described.

DANIEL GEORGE.

Witnesses:

E. R. SIEGFRIED,
PETER BEST.