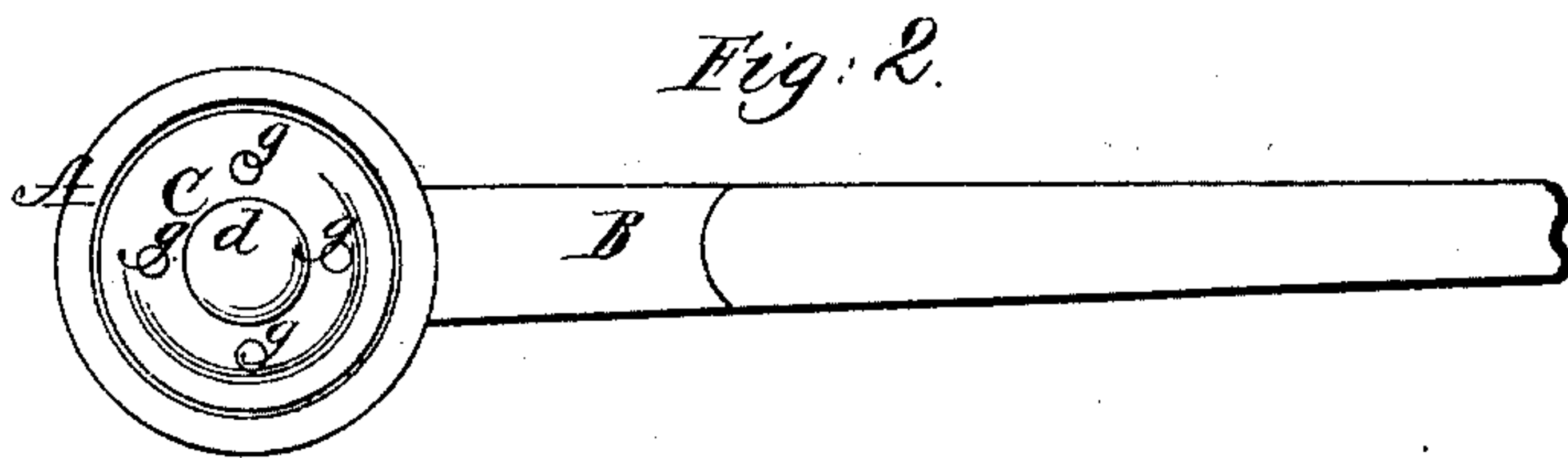
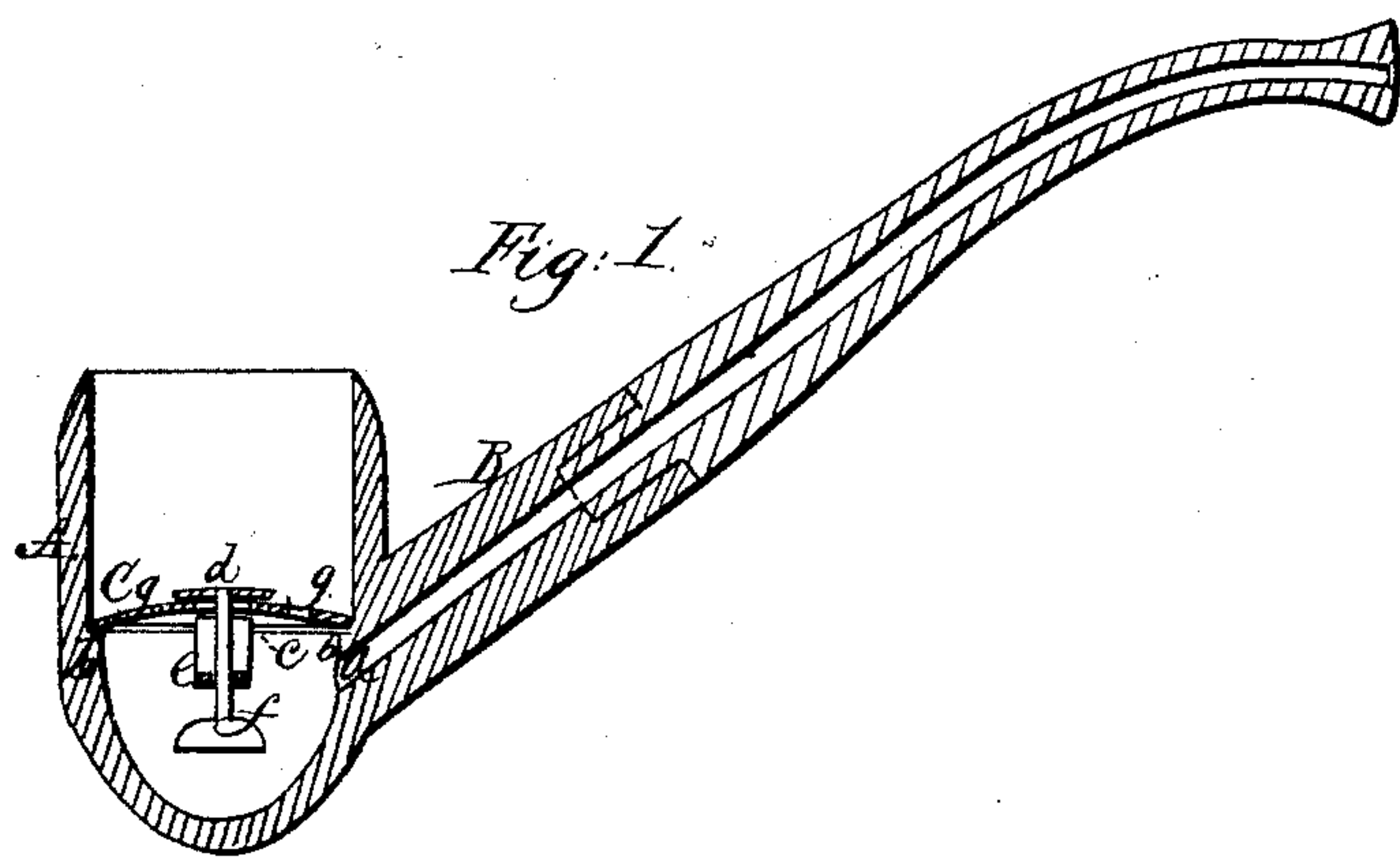


H. Kurth,
Tobacco Pipe,

No. 37,044.

Patented Dec. 2, 1862.



Witnesses:
M. S. Partridge
Timothy Shine

Inventor:
Henry Kurth

UNITED STATES PATENT OFFICE.

HENRY KURTH, OF NEW LOTS, NEW YORK.

IMPROVEMENT IN TOBACCO-PIPES.

Specification forming part of Letters Patent No. 37,044, dated December 2, 1862.

To all whom it may concern:

Be it known that I, HENRY KURTH, of New Lots, in the county of Kings and State of New York, have invented a new and useful Improvement in Smoking-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, forming a part of this specification, in which—

Figure 1 represents a longitudinal central section of my invention. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is an improvement in that class of smoking-pipes in which the bowl and the stem are formed out of one and the same piece of wood or other suitable material.

The invention consists in the arrangement of a weighted valve being retained by a perforated plate, which is inserted in the bowl above its junction with the stem in such a manner that the inner end of the smoke-channel is never closed by the tobacco in the bowl, and consequently a good draft of the pipe is insured, and that by means of the central valve the spittle and other impurities accumulating in the lower portion of the bowl can easily be removed without taking out the perforated plate.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawings.

A represents the bowl of the pipe, from which the stem B extends in the ordinary manner. Above the point where the smoke-channel *a* emanates from the bowl A, a shoulder, *b*, is turned in the interior of said bowl, which forms the bearing for the plate or false bottom C. This plate is made of metal or other non-combustible material, and it is perforated in the center with a large hole, *c*, which is covered by a weighted valve, *d*. The stem of this valve is guided by a small standard, *e*, which is secured to the under side of the plate C, and by the action of the weight *f* said valve closes if the bowl is held in an upright position, and it opens if the valve is

turned upside down. The plate C is further perforated with a number of small holes, *g*, which are intended to let the smoke pass from the upper part of the bowl to the smoke-channel.

The operation is as follows: The tobacco is placed into the bowl on the top of the perforated plate C, and after it has been lighted, by drawing on the mouth-piece, the smoke passes readily down through the small perforations *g* and through the smoke-channel to the mouth of the smoker. The central opening is closed by the valve *d*, and the smallness of the perforations *g* prevents the tobacco finding its way down into the space below the plate and to the smoke-channel. After a short time a crust forms on the inside of the bowl, whereby the plate C is prevented falling out when the bowl is turned upside down for the purpose of cleaning out the ashes. In cleaning out the bowl the spittle and other impurities which may have accumulated below the plate C escape through the central hole, *c*, which is thrown open on turning the bowl upside down, and which closes again as soon as the bowl is brought back to an upright position. If the crust on the inside should become too thick, or whenever it is desired to give a thorough cleaning to the bowl, said crust is scraped off, and the plate C can now be taken out, so that free access is had to the lower part of the bowl. This operation, however, is only necessary at long intervals, since by the application of the central hole, *c*, and valve *d* all the impurities which may accumulate in the lower part of the bowl discharge quite readily simply by turning said bowl upside down.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The arrangement of the central opening, *c*, and weighted valve *d*, in combination with the perforated plate C, inserted into the bowl A of a smoking-pipe, substantially in the manner and for the purpose shown and described.

HENRY KURTH.

Witnesses:

M. S. PARTRIDGE,
G. W. REED.