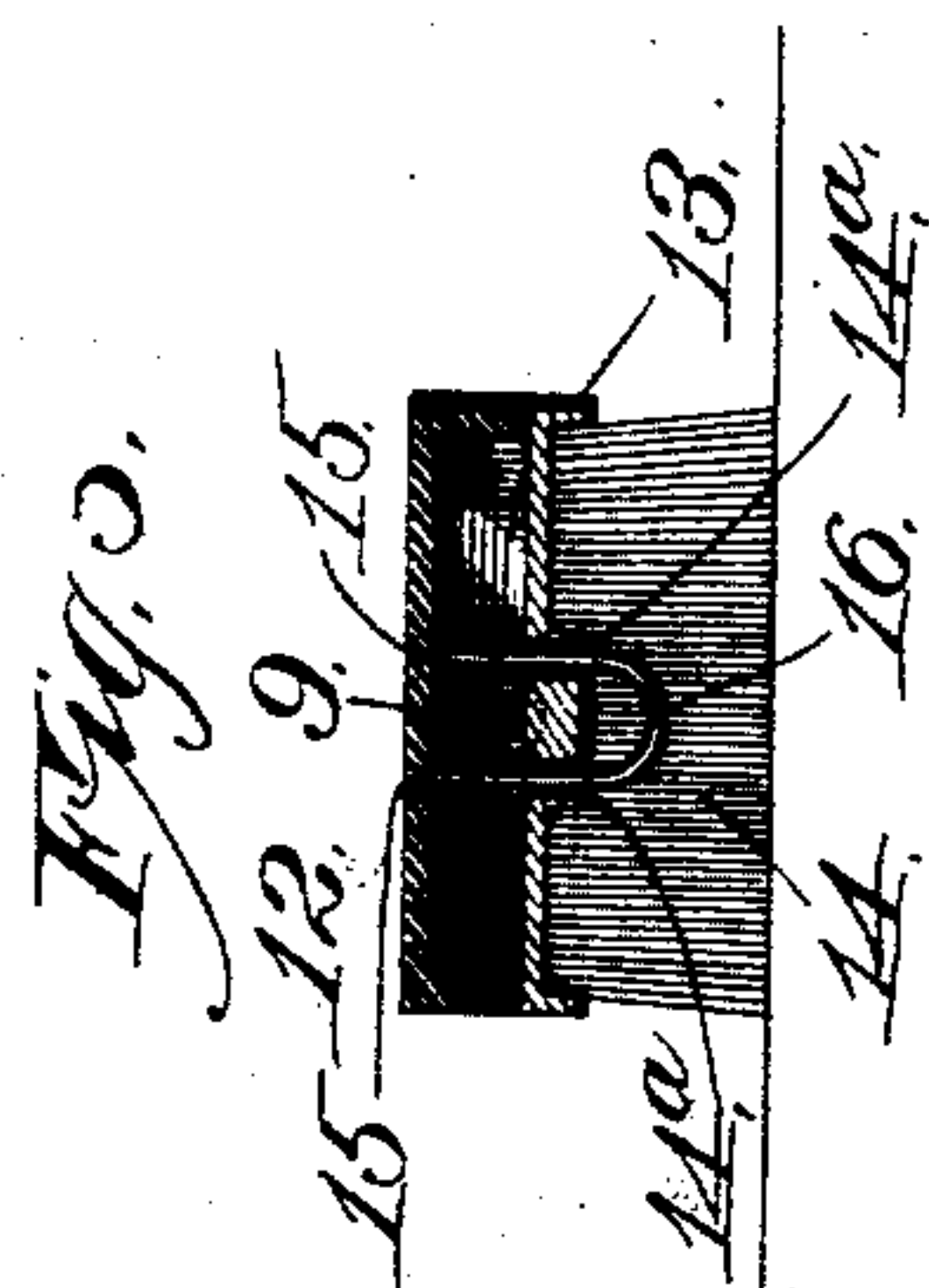
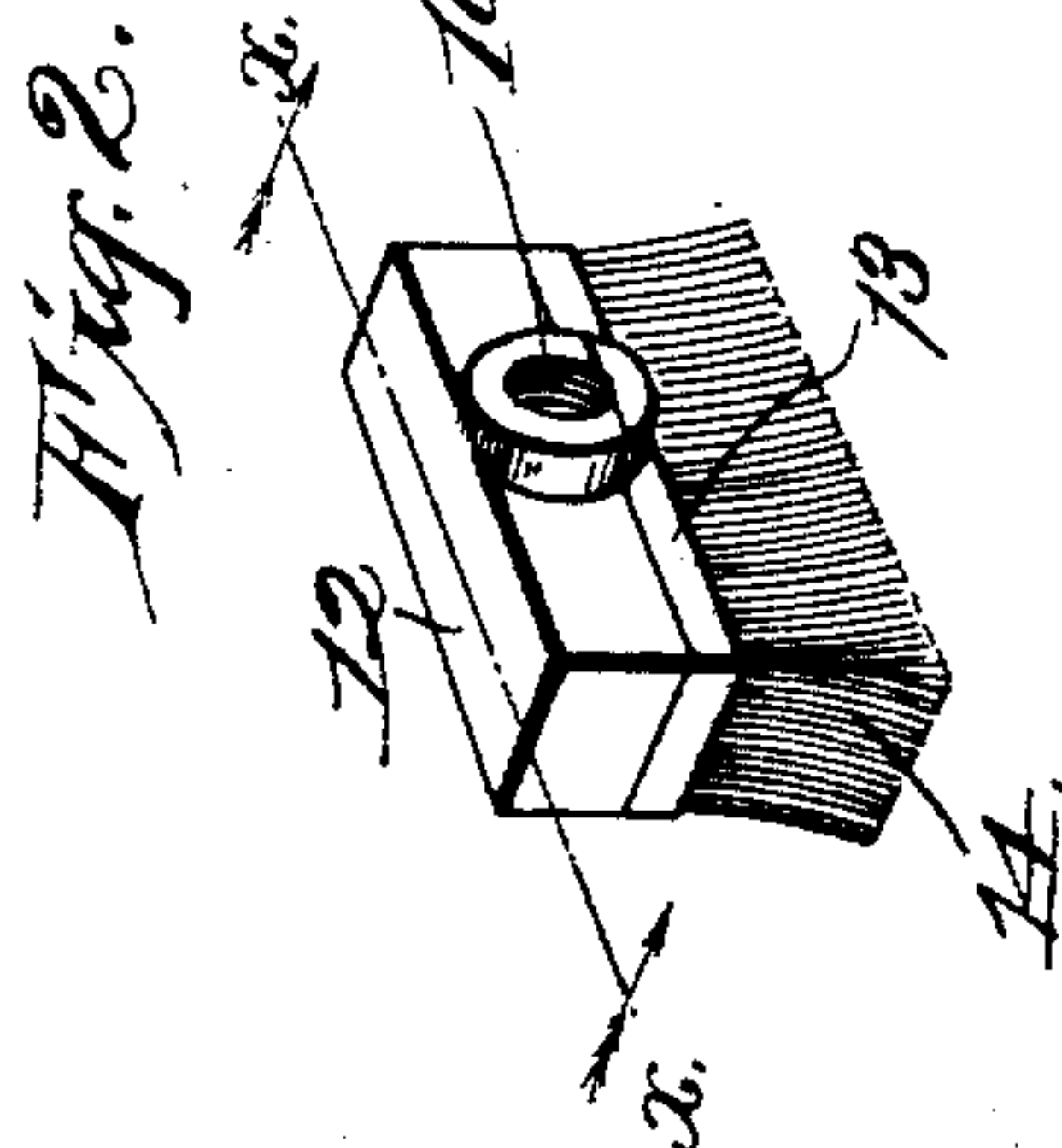
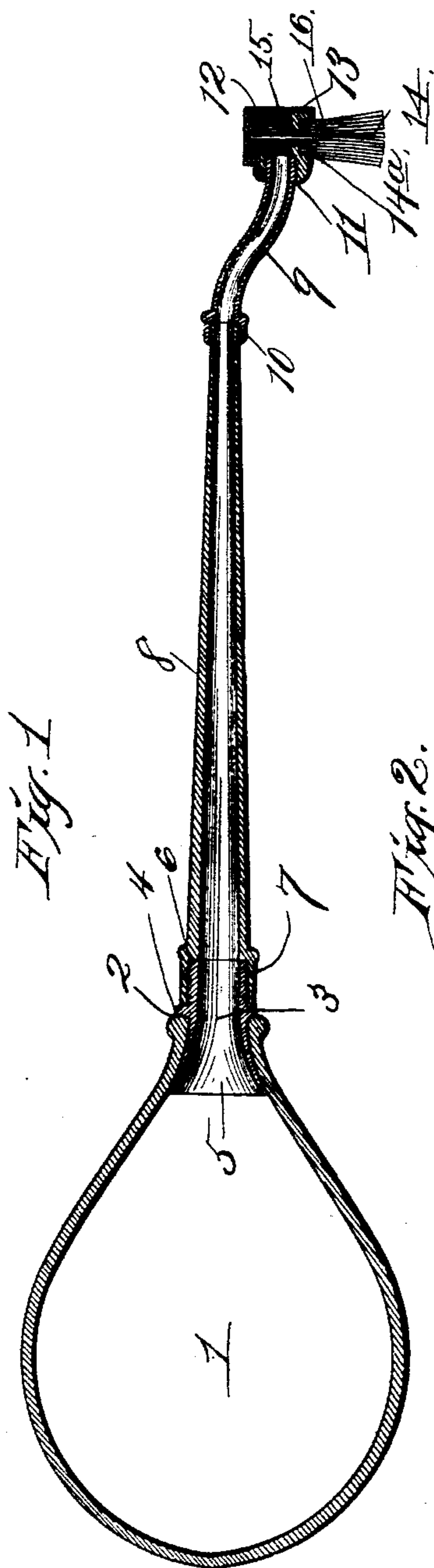


(No Model.)

H. OTT.  
FOUNTAIN BRUSH.

No. 520,241.

Patented May 22, 1894.



*Witnesses:*

*W. P. Smith,*

*G. P. Thrope.*

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# UNITED STATES PATENT OFFICE.

HENRY OTT, OF OTTAWA, KANSAS.

## FOUNTAIN-BRUSH.

SPECIFICATION forming part of Letters Patent No. 520,241, dated May 22, 1894.

Application filed December 21, 1893. Serial No. 494,297. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY OTT, of Ottawa, Franklin county, Kansas, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improvement in fountain brushes, and the object of my invention is to provide a brush of this character which is simple, strong, durable and inexpensive of construction.

With this object in view, my invention consists in certain peculiar and novel features of construction and arrangement, as will be hereinafter described and pointed out in the claims.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1, is a vertical longitudinal sectional view of a fountain brush constructed in accordance with my invention. Fig. 2, is a detail perspective view of the ink receiving chamber and the brush carried thereby. Fig. 3, is a vertical section, taken on the line  $x-x$  of Fig. 2.

In the drawings, 1 designates a hollow ball or receptacle of rubber, which tapers at one end to form a mouth or opening 2. A tubular coupling-piece 3, is formed exteriorly and near its middle with an annular flange or shoulder 4, and from one side of said flange or shoulder, the tubular coupling-piece is flared outwardly at 5; this flaring portion being adapted to be surrounded by and engage in the opening or mouth of the hollow ball 1; the connection being such that the ball will not be accidentally disconnected from the flaring end of said coupling piece 3. The end of the coupling piece projecting from the opposite side of the annular flange or shoulder 4 is exteriorly screw threaded at 6, and is engaged by the interior threads 7 of the tubular handle or channel-piece 8; said channel-piece or handle preferably tapering toward its outer end. A coupling-tube 9 is preferably curved to extend downwardly and forwardly, and has its inner end formed with the

interior screw-threads 10, which engage the exterior threads on the outer end of the tubular handle or channel piece 8, and the outer end of said tubular coupling-tube 9 is exteriorly screw threaded to engage the interior screw-threads 11 of the ink-receiving chamber 12; said chamber being preferably of elongated rectangular form and extending transversely of the end of the tubular coupling-tube 9.

The lower end or bottom of the chamber 12, is formed of a plate or strip 13, of any suitable material, from the lower side of which the brush 14 projects. Two passages 14<sup>a</sup>, extend vertically through the bottom 13, of the chamber 12, for the passage of the ink from the chamber, and in order to distribute the ink evenly or equally to the brush, I provide a distributor. This distributor is of U-shape and formed of wire, and has its leg-portions 15 passing vertically up through the passage 14, and secured to the upper wall or ceiling of the chamber 12, and has its bent or bridge-portion 16, depending into the body of the brush, as clearly shown in Fig. 3. To fill the bulb, I first detach the curved end-pipe 9, from the stem-portion 8, and then inserting the nozzle of said stem into the ink-supply, by alternately compressing and releasing the bulb, the supply of ink is drawn into the bulb. The curved end-piece is now resecured upon the stem-portion, and the brush is ready for operation.

The operation is obvious; by simply grasping and compressing the bulb, the ink is caused to flow into the chamber 12, and escaping thence through the passages 14<sup>a</sup>, follows the wire-distributor, and drops or is absorbed from the center of the said distributor by the central portion of the brush. From this point the ink is distributed equally by absorption throughout the entire surface of the brush, which is drawn across the "pad" or other surface to be inked, in the usual manner, and leaves or deposits the desired quantity of ink upon the pad or other surface.

It is to be understood, that I do not limit myself to the precise location or number of ink-passages through the bottom 13, of the ink-receiving chamber, as one may be used, or any number found in practice to be most



desirable. I wish it further understood, that the location and form of the wire-distributor may also be varied without departing from the spirit and scope of my invention. I prefer, however, the construction shown.

From this description, it will be seen that I have produced a fountain brush which is simple, durable and inexpensive of construction.

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

1. A fountain brush, consisting of a stem or channel-piece, a hollow and compressible  
15 bulb, communicating with one end of said stem, and an ink-receiving and brush-carrying chamber communicating with the opposite end of the stem or channel piece, and provided with ink-passages leading from the interior of said chamber to said brush, and a  
20 wire distributor extending from the ink-receiving chamber through said passages, and

into the body of the brush, substantially as set forth.

2. A fountain brush, consisting of a stem 25 or channel-piece, a hollow and compressible bulb, communicating with one end of said stem, and an ink-receiving and brush-carrying chamber communicating with the opposite end of the stem or channel piece, and provided with ink-passages leading from the interior of said chamber to said brush, and a wire distributor of U-shape, having its bent or bridge-portion depending into the body of the brush, and having its legs passing up 35 through the bottom of and into the ink-receiving chamber, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY OTT.

Witnesses:

A. J. MAAS,

GEO. T. BROWN.