

(No Model.)

J. MAGER.

DEVICE FOR SULPHURING CASKS.

No. 459,916.

Patented Sept. 22, 1891.

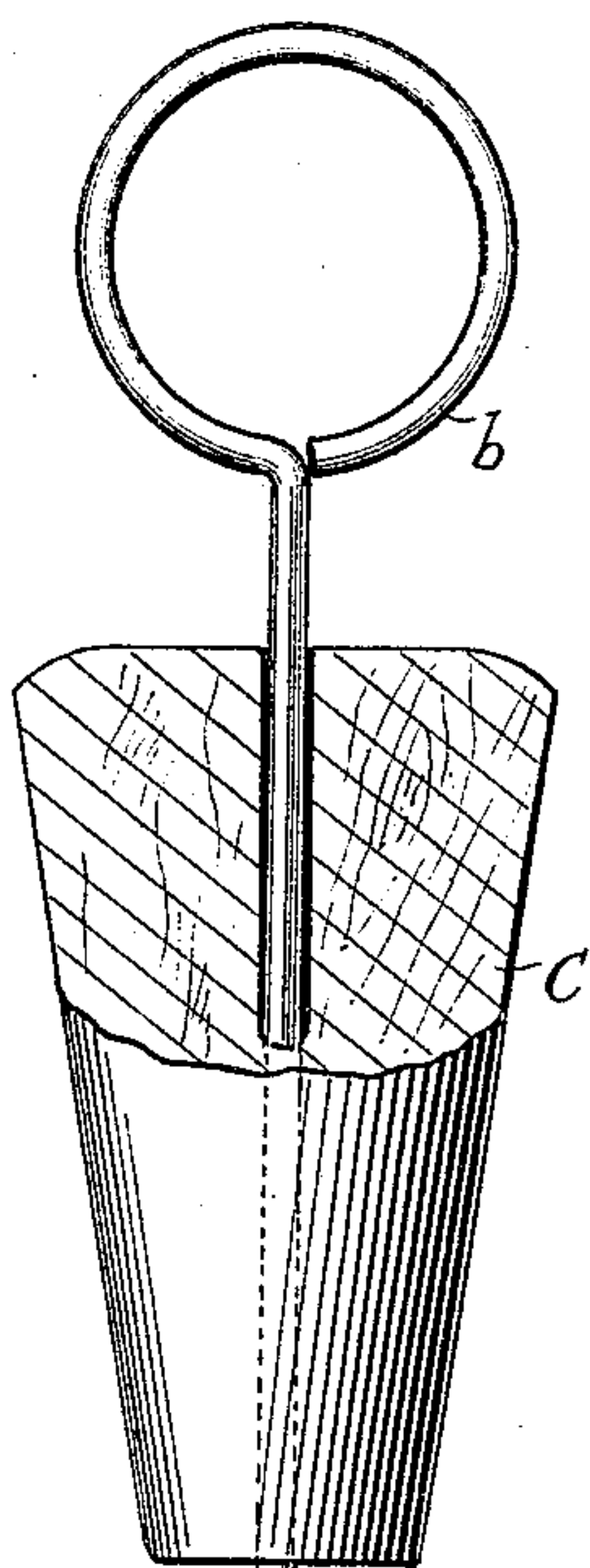


Fig. 1.

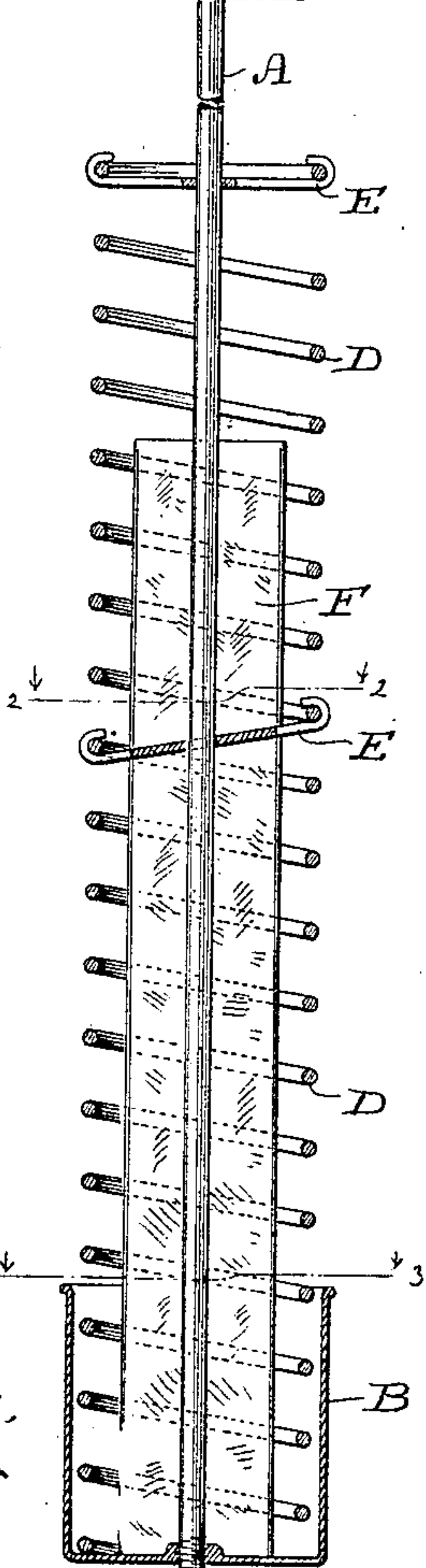


Fig. 2.

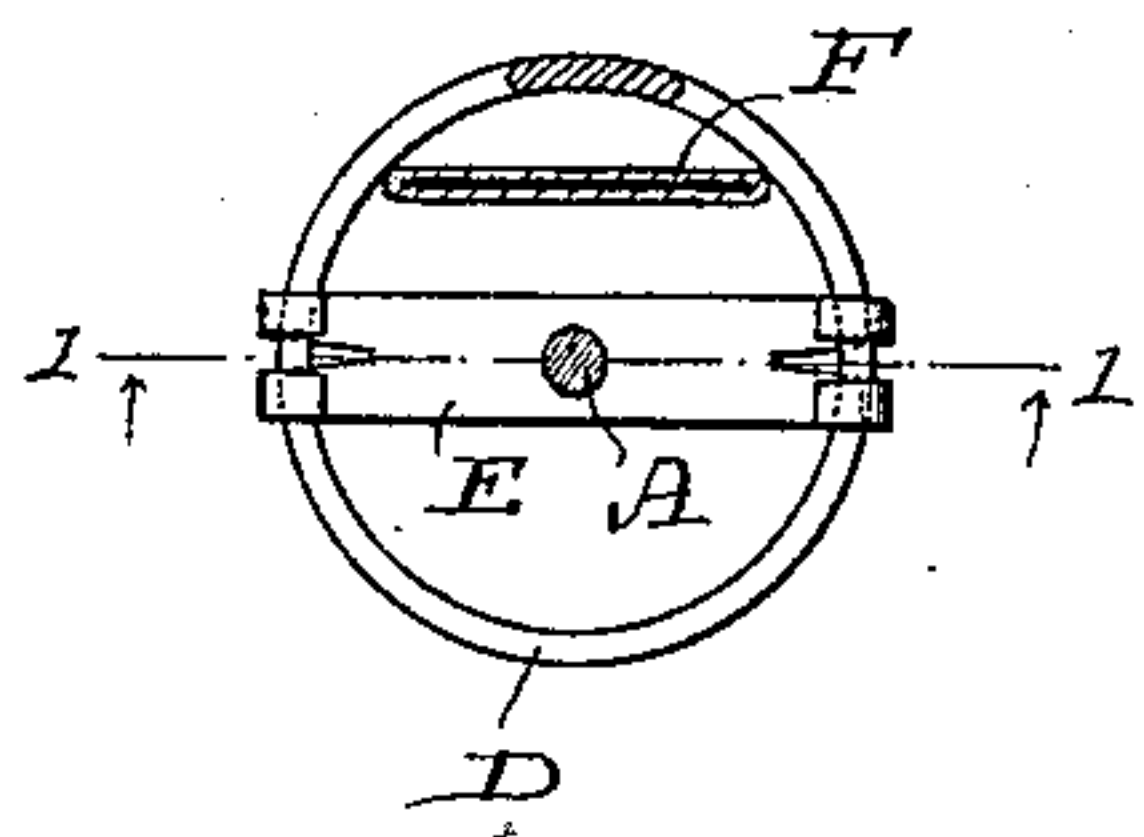
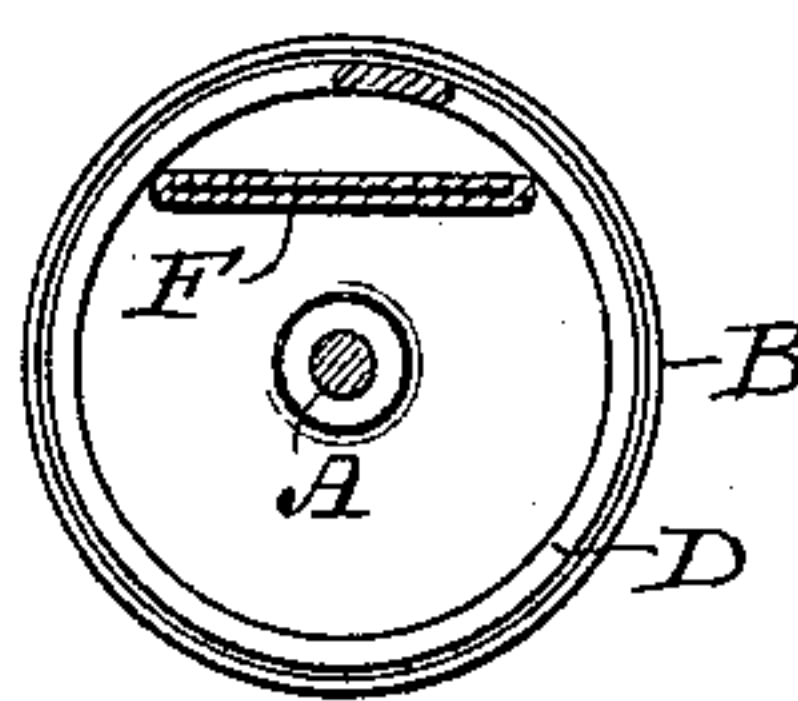


Fig. 3.



Witnesses
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DEVICE FOR SULPHURING CASKS.

SPECIFICATION forming part of Letters Patent No. 459,916, dated September 22, 1891.

Application filed February 3, 1891. Serial No. 380,086. (No model.)

To all whom it may concern:

Be it known that I, JOHN MAGER, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Devices for Sulphuring Casks, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in certain peculiarities of construction and combination of parts, to be hereinafter described with reference to the accompanying drawings, and subsequently claimed.

In the drawings, Figure 1 represents a sectional elevation of a device constructed according to my invention, the greater portion of the section being taken on line 1 1 of the succeeding figure; and Figs. 2 and 3, horizontal sections of the same, respectively taken on lines 2 2 and 3 3 of the preceding figure.

Referring by letter to the drawings, A represents a rod bent over at its upper end to form a handle *b*, the lower end of the rod being screw-threaded for detachable and adjustable connection with a cup B, as shown in Fig. 1. Loose on the rod A is a tapered plug C, and a spiral coil D of wire is arranged between the plug and the bottom of the cup B, above described. The wire coil D is stiffened at intervals by means of transverse braces E, loose on the rod A, and said coil of wire and the cup B form a cage for a strip F of sulphur-coated material.

In practice the sulphur strip F is set on fire and the cage portion of the device above described inserted in a cask, barrel, or analogous receptacle through a bung-hole of the same, this bung-hole being closed by the tapered plug C of said device. The fumes of the burning sulphur escape between the coils of the wire D to fumigate the cask, and the residuum resulting from the combustion of the strip F is caught in the cup B and brought away with the latter after the operation just described is completed.

The wire portion of the cage for the sulphur strip being compressible and the bung-hole plug loose on the rod, the same device may be employed in sulphuring casks, barrels, and

kegs of varying depths or diameters; but I do not wish to be understood as limiting myself to the exact construction shown and described, as said cage may be otherwise constructed without departure from my invention, although it is necessary that there shall be some means for the escape of the sulphur fumes and the retention of the residuum resulting from the burning of said strip.

The sulphur-coated strip above described is an article of commerce and is usually provided at one end with an opening for engagement with a hook at one end of a rod attached to an ordinary bung or cap, the common practice in the art of sulphuring casks, &c., being to hang said strip on the hook end of the rod within a receptacle to be sulphured. This old practice is very objectionable, because there is nothing to prevent ashes and particles of sulphur from dropping down and remaining in the receptacle under treatment, and in the case of partially-emptied receptacles a bad taste is thus imparted to the contents, especially when the unconsumed end of the sulphur strip falls therein, as frequently occurs.

To overcome the disadvantages heretofore experienced in the art of sulphuring casks, &c., is the object of my invention, and this object I attain by the employment of a device substantially such as I have herein specified, and the tapering plug forming part of said device enables me to employ the latter in connection with casks, barrels, and kegs having bung-holes of various diameters.

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

1. The combination of a rod, a bung-hole plug loose on the same, and an apertured cage compressible on the rod below the plug, substantially as set forth.

2. The combination of a rod, a bung-hole plug on the same, a cup on the lower end of the rod, and a spiral coil of wire supported by the cup, substantially as set forth.

3. The combination of a rod, a bung-hole plug on the same, a cup on the lower end of the rod, a spiral coil of wire supported by the cup, and transverse stiffening-braces connected to the coil at certain intervals to

loosely engage said rod, substantially as set forth.

4. The combination of a bung-hole plug and a compressible and apertured cage suspended below the same, substantially as set forth.

In testimony that I claim the foregoing I

have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

JOHN MAGER.

Witnesses:

N. E. OLIPHANT,
WM. KLUG.