No. 749,452. PATENTED JAN. 12, 1904.

L. C. SAVALE.

COMBINED FLUE SHIELD AND LAMP SUPPORT FOR AUTOMOBILES.

APPLICATION FILED MAY 21, 1903.

NO MODEL.

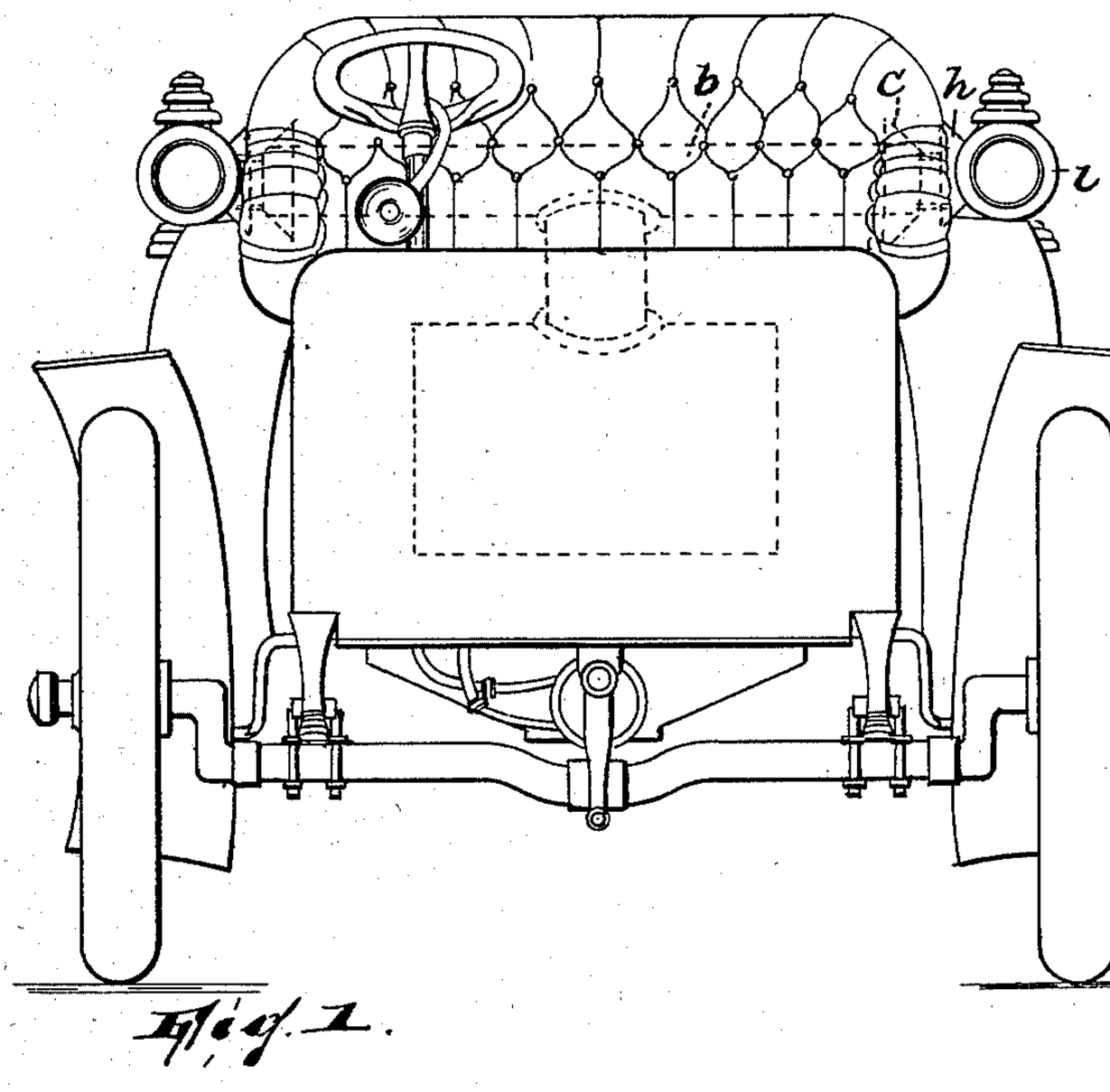

Fig. 1.

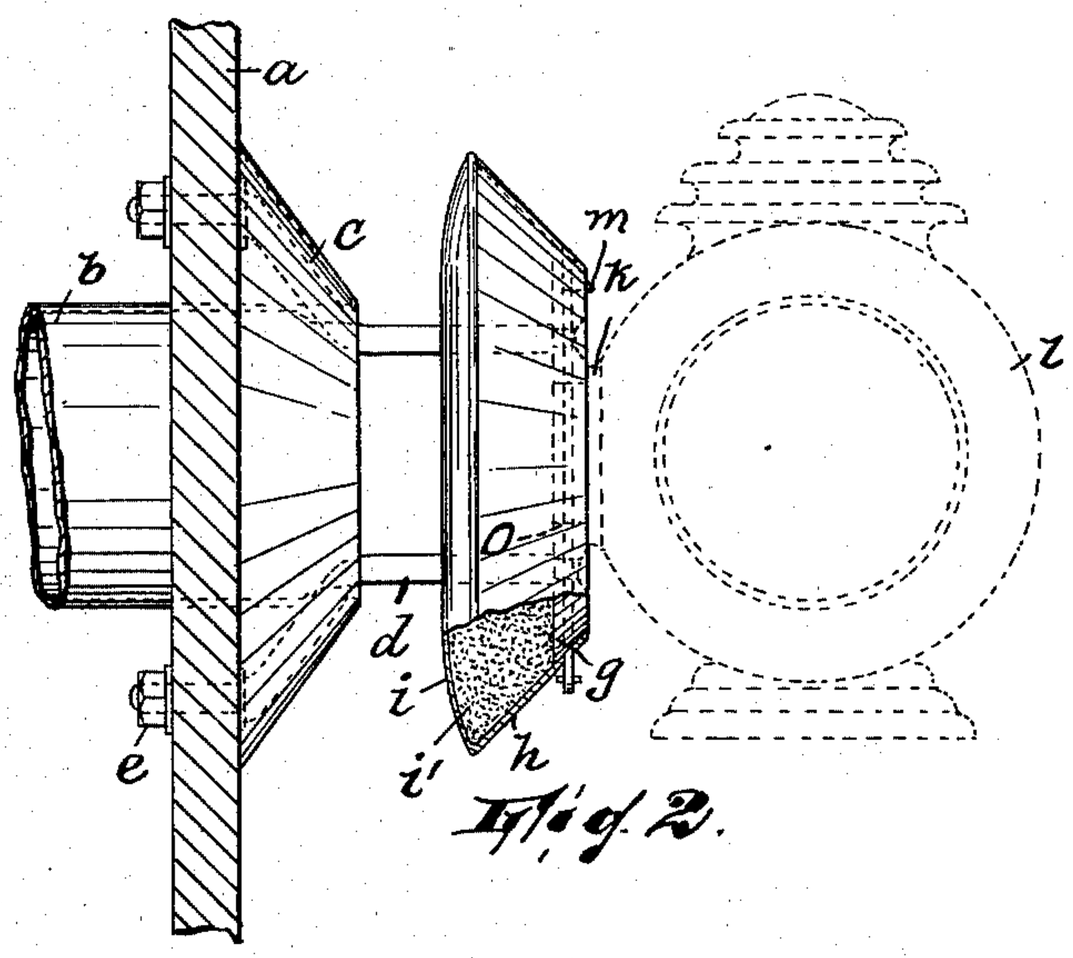

Fig. 2.

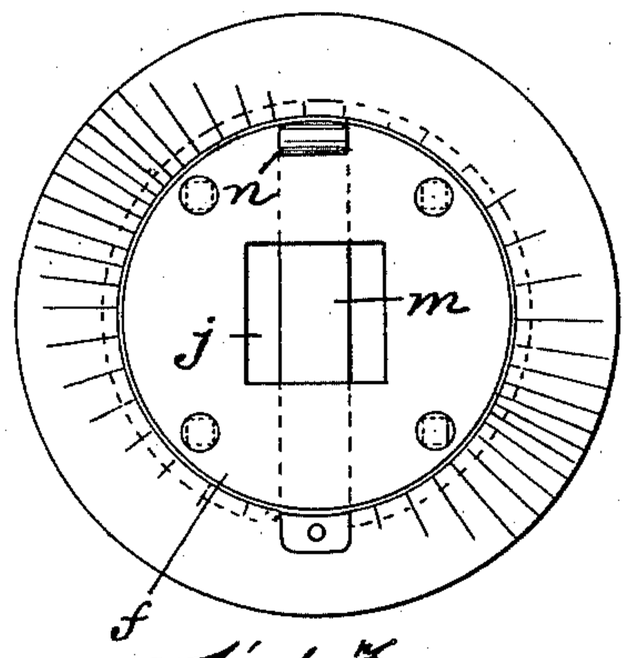

Fig. 3.

WITNESSES:

Wm. D. Bell.

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No. 749,452. Patented January 12, 1904.

UNITED STATES PATENT OFFICE.

LOUIS C. SAVALE, OF PATERSON, NEW JERSEY.

COMBINED FLUE-SHIELD AND LAMP-SUPPORT FOR AUTOMOBILES.

SPECIFICATION forming part of Letters Patent No. 749,452, dated January 12, 1904.

Application filed May 21, 1903. Serial No. 158,162. (No model.)

To all whom it may concern:

Be it known that I, LOUIS C. SAVALE, a citizen of the United States, residing in Paterson, in the county of Passaic and State of New Jersey, have invented a certain new and useful Combined Flue-Shield and Lamp-Support for Automobiles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide the flue-pipe for an automobile of the steam-driven type with a device serving both as a shield for inducing draft in the flue-pipe and as a support for the lamp or the like.

The invention will be found fully illustrated in the accompanying drawings, wherein—

Figure 1 is a view in front elevation of an automobile provided with my improved combined flue-shield and lamp-support. Fig. 2 is a view of the invention as seen in front elevation, showing a lamp in dotted outline; and Fig. 3 is a view of the invention looking toward the lamp side thereof.

In said drawings, *a* designates a side of the automobile-body; *b*, the flue-pipe, which is arranged in the present instance horizontally and which extends through said side *a*, and *c* a frusto-conical ring or thimble covering the protruding end of the flue-pipe.

d designates supports which are secured in the side *a* by nuts *e* and extend out through the thimble. There are preferably four of these, and they are arranged equidistantly around the flue-pipe *b*, they being bent so that the portions thereof which are surrounded by the thimble extend parallel with the adjacent portions of the inner surface of the thimble. The outer ends of supports *d* are riveted into a plate *f*, having a flange *g*. This plate forms the front or outer wall of a frusto-conical shell *h*, the rear wall *i* of which should have greater area than the discharge end of the pipe *b*, so as to induce, if anything, a draft across the end of the pipe rather than back into it. This shell is filled with asbestos *i'* or some other substance which is a poor heat-conductor. The plate *f* is formed with a preferably squared opening *j*, adapted to receive a butt *k*, formed on the lamp *l*. The butt, and consequently the lamp, is secured in position in the asbestos-filled shell *h* by a pin *m*, adapted to be introduced vertically down through openings *n o* in the shell and butt, respectively.

The construction above described makes possible a very compact arrangement of the parts involved. By making the shield, which part *h* constitutes, in the form of a shell and filling the same with asbestos the lamp is protected from the heat discharged from the flue-pipe.

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

1. The combination of a suitable sustaining means, a flue-pipe, and a combined shield and lamp-support disposed opposite the discharge end of said flue-pipe, substantially as described.

2. The combination of a suitable sustaining means, a flue-pipe, and a combined lamp-support and shield having arms for securing the same to said sustaining means, substantially as described.

3. The combination of a suitable sustaining means, a flue-pipe, and a combined lamp-support and shield comprising a shell and a filling of non-heat-conducting material, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of May, 1903.

LOUIS C. SAVALE.

Witnesses:
JOHN W. STEWARD,
JAMES B. NEWTON.