

(No Model.)

J. N. BREWSTER.
HOSE NOZZLE GUIDE FOR WALLS.

No. 488,624.

Patented Dec. 27, 1892.

Fig 1

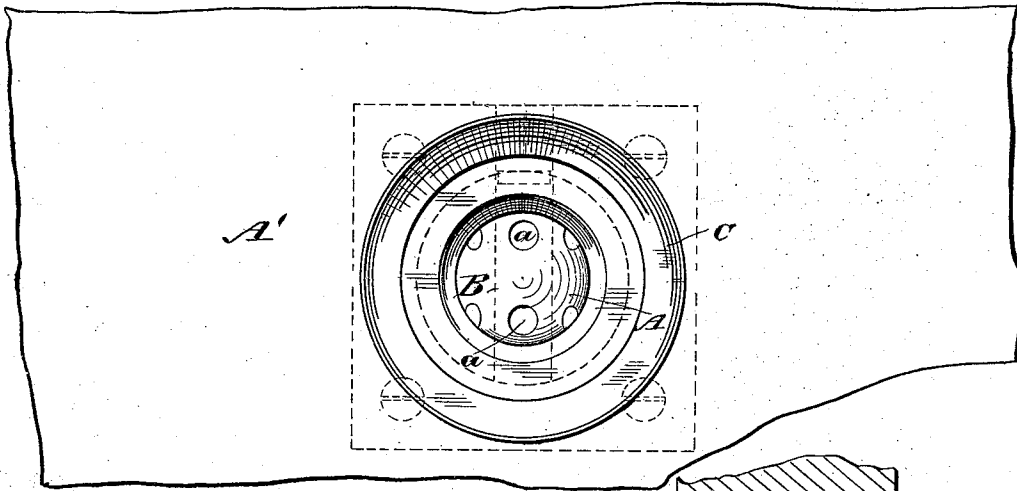


Fig 2.

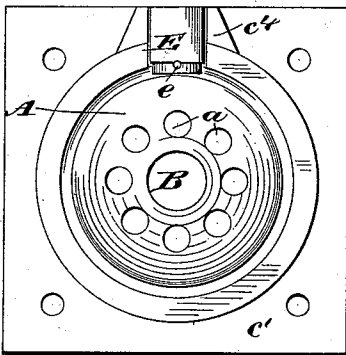
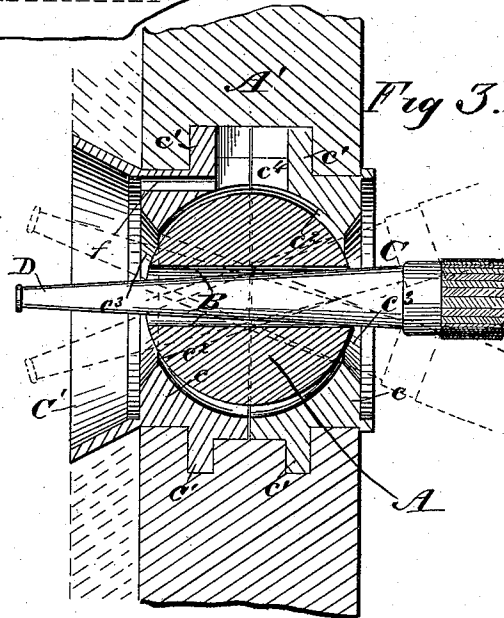


Fig 3.



WITNESSES:

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HOSE-NOZZLE GUIDE FOR WALLS.

SPECIFICATION forming part of Letters Patent No. 488,624, dated December 27, 1892.

Application filed February 25, 1892. Serial No. 422,788. (No model.)

To all whom it may concern:

Be it known that I, JAMES N. BREWSTER, of Coney Island, in the county of Kings and State of New York, have invented a new and useful Improvement in Hose-Nozzle Guides for Walls, &c., of which the following is a full, clear, and exact description.

The object of the invention is to provide a means whereby fires in buildings and ships may be most successfully attacked, without the necessity of the firemen entering the room, compartment or building on fire, and without aiding the draft of the fire by opening doors or windows.

The invention consists in the construction and arrangement of parts hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of a hose nozzle guide constructed in accordance with my invention; Fig. 2 is a like view thereof, removed from the wall, and with half the casing removed; and Fig. 3 is a central vertical section taken through the case and the wall in which it is fitted.

In constructing a hose nozzle guide in accordance with my invention, a ball A is provided having a diametrical through bore B, therein, for receiving an ordinary fire hose nozzle D, the diameter of such ball being according to the thickness of the wall partition or deck in which it is fitted.

In the practical embodiment of my invention, a suitable support or socket is provided for the ball, such support preferably being a casing C, in the form of two circular castings c, c, clamped together by means of bolts passed through the flanges c', said half sections c having concaved inner faces c² for accommodating and permitting a rocking movement of the ball or guide proper A. The half sections c, c, are formed with embrasured openings c³ in line with each other, for the passage of the hose nozzle.

In the guide proper A, series of recesses a are produced, adapted to receive the end of a bar or other proper tool for turning the ball to bring its bore B in register with the open-

ings c³ of the case, or at right angles to said openings.

In order that the guide A may normally form an effective closure of the recess or opening in which it is fitted, I provide a lock E, which in the form shown, consists of a gravity bolt arranged in the top of the case in a vertical recess c⁴ therein, said bolt being adapted to enter the passage or bore B when the ball is turned to bring such bore into line with the bolt, as in Fig. 1. The bolt is raised by any suitable bar inserted through a passage f, leading to the same from one or both faces of the casing C into a recess e in the bolt, and when the latter is raised the guide A, may be rocked to bring the bore B at any angle to the wall A', or equivalent partition or deck, and thus direct a stream straight into a room or at any angle to such straight direction. The wall A' may be of any material, the section shown in the drawings being merely for the purpose of illustrating the application of my invention. For extra thick walls the casing C may have an extended flaring mouth C', as shown in Fig. 3. The flaring mouth C' permits the fullest range of the hose nozzle and it gives free access to the passage f and the spherical guide for turning it by a suitable tool inserted in the recesses a.

By the use of this invention, the firemen need not open doors or windows to attack the fire, and need not expose themselves to the heat and smoke.

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

1. The combination with the ball having a diametric bore, of the casing C formed in two parts c c having registering concavities in their inner abutting faces receiving the ball, embrasured openings c³, and flanges c' bolted together by transverse bolts, and a locking bolt to engage the bore of the ball, substantially as set forth.

2. The combination with the casing C having a spherical opening or recess provided with opposite openings c³, and an extended flaring mouth C' concentric with one of the said openings, of the transversely bored ball within the opening or recess, substantially as set forth.

3. The combination with the casing having opposite openings, of the ball mounted to turn in the casing and having a transverse bore and recesses *a* in the ball to receive the end
5 of a tool for turning the ball, substantially as set forth.

4. The combination with a wall or the like, of a hose nozzle guide fitted therein and having a through bore for receiving a hose nozzle,
10 the said guide being mounted to be rocked, for the purpose specified, and means for locking the guide, substantially as described.

5. The combination with the casing having a spherical recess, opposite openings *c*³, a vertical recess *c*⁴ communicating with the spherical
15 recess, and a transverse passage *f* leading from the face of the casing to the said vertical recess, of the transversely bored ball in

said spherical recess, a bolt in the vertical recess to lock the ball and adapted to be operated through the passage *f*, substantially as set forth. 20

6. A hose nozzle guide, consisting of a casing having a transverse opening, a ball fitted therein and adapted to be rocked, the ball
25 having a diametrical through bore adapted to register with the case opening or to range transversely thereto, and a gravity bolt adapted to enter the said bore when the latter is brought in line therewith, substantially as
30 described.

JAMES N. BREWSTER.

Witnesses:

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