(No Model.)

H. BRADLEY, Jr. & J. V. ADAMS.

VENTILATING CAP FOR SEWER PIPES.

No. 499,904. Patented June 20, 1893.

Fig. 1

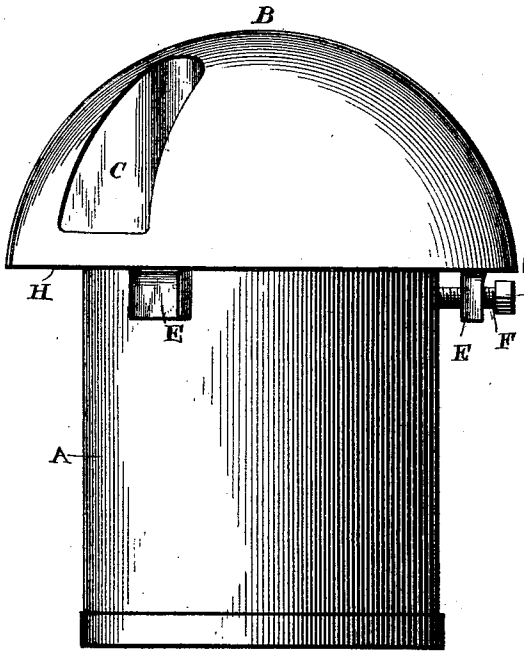


Fig. 2.

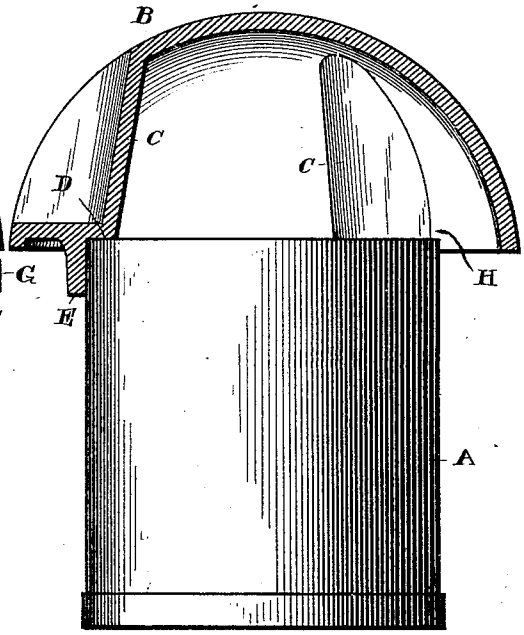
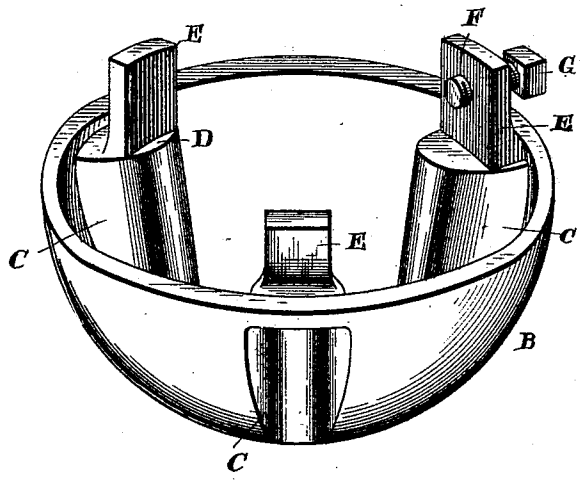


Fig. 3



Witnesses
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By their Attorneys,
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HARRY BRADLEY, JR., AND JOHN V. ADAMS, OF BUFFALO, NEW YORK.

VENTILATING-CAP FOR SEWER-PIPES.

SPECIFICATION forming part of Letters Patent No. 499,904, dated June 20, 1893.

Application filed January 10, 1893. Serial No. 457,942. (No model.)

To all whom it may concern:

Be it known that we, HARRY BRADLEY, Jr., and JOHN V. ADAMS, citizens of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Ventilating-Cap for Sewer-Pipes, of which the following is a specification.

This invention relates to sewer caps; and it has for its object to provide an improved device of this character which can be readily attached to the end of the ordinary sizes of sewer ventilating pipes.

To this end the primary object of the invention is to provide an improved detachable pipe cap, which can not only be quickly and easily secured in position on the end of a sewer ventilating, or other ventilating pipe, but also which, when in position, provides for a free circulation of air into the pipe without allowing obstructions to fall therein. The cap being an integral piece of metal avoids the necessity of calking joints, &c., where the caps are sectional, such sectional caps being usually employed.

With these and other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts, hereinafter more fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is an elevation of the upper end of a sewer ventilating pipe and a ventilating cap attached thereto. Fig. 2 is a central vertical sectional view of the construction disclosed in Fig. 1. Fig. 3 is an interior or bottom perspective view of the cap.

Referring to the accompanying drawings, A represents the upper end of a ventilating pipe for sewers, &c., which is inclosed by the removable semi-spherical ventilating cap B. The removable semi-spherical ventilating cap B, is a single hollow casting adapted to inclose the open end of the pipe section, and is provided with a series of interior lugs C, which terminate at their lower inner edges in the shoulders D, which are adapted to rest on the end of the pipe section A. The supporting shoulders D, at the lower inner edges are arranged nearly flush with the edge of the cap, so as to hold the same off from and above the end of the pipe, and the outer wall of said shoulders D, is formed by the depending securing ears E, which are designed to embrace the pipe on which the cap is secured. The said ears E, project sufficiently far from the outer shouldered edges of the interior lugs so as to secure a good purchase over the end of the pipe. One of the shoulders D, is wider than the other shoulders, so as to dispose the adjacent ear nearer to the edge of the cap, so that some adjustment may be had for slightly varying diameters of pipe, and said ear near the wider shoulder is provided with a threaded perforation F, which receives the clamping set screw G, adapted to impinge on one side of the pipe section A, and securely bind or clamp the cap in position thereon.

As clearly illustrated in the drawings, the base of the semi-spherical cap is of greater diameter than the pipe end on which it is secured and therefore the ventilating spaces H, are formed between the ears, so as to allow for a free circulation of air into the pipe.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

A hollow semi-spherical ventilating cap having a series of interior supporting lugs terminating at their lower inner edges in shoulders nearly flush with the edge of the cap and adapted to rest on the end of a pipe, one of said shoulders being wider than the other shoulders to permit an adjustment for different sized pipes, and an integral series of depending securing ears projected beyond said shoulders between the same and the edge of the cap to embrace the outside of the pipe, the ear extended from the wider adjustment shoulder being provided with a threaded perforation, and a clamping set screw engaging said threaded perforation and adapted to impinge on one side of the pipe, substantially as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

HARRY BRADLEY, JR.
JOHN V. ADAMS.

Witnesses:
HENRY H. BENTE,
HENRY STEINMAN.