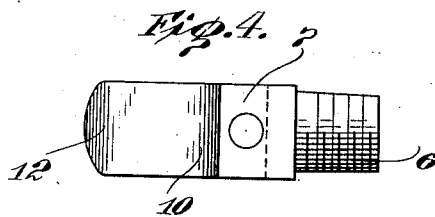
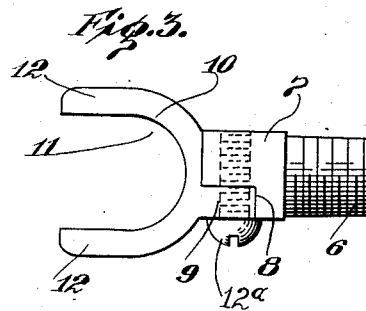
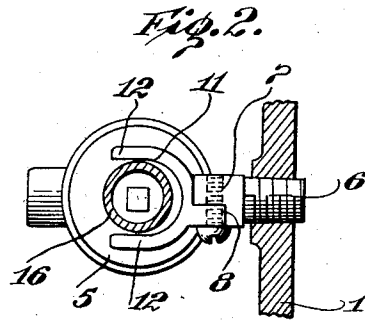
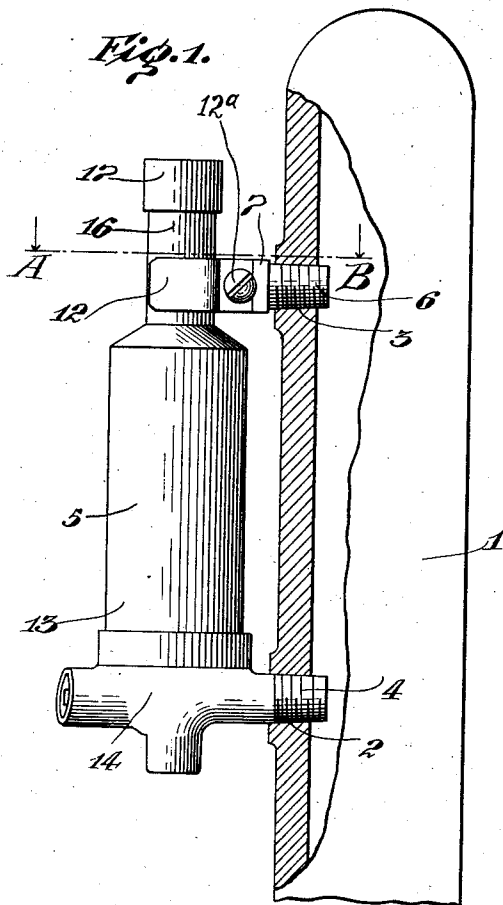


F. H. SAUER.
AIR VALVE.

APPLICATION FILED NOV. 28, 1910.

1,062,802.

Patented May 27, 1913.



WITNESSES

C. S. Ashley
Sadie Semler

INVENTOR

Frederick H. Sauer

UNITED STATES PATENT OFFICE.

FREDERICK H. SAUER, OF NEW YORK, N. Y.

AIR-VALVE.

1,062,802.

Specification of Letters Patent.

Patented May 27, 1913.

Application filed November 28, 1910. Serial No. 594,618.

To all whom it may concern:

Be it known that I, FREDERICK H. SAUER, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented a new and useful Improvement in Air-Valves, of which the following is a specification.

The invention relates to improvements in radiator air valve holders and has particular reference to that type of device utilized in connection with air valves provided with a lateral connection to said radiator and particularly with a vertically mounted valve.

One object of the invention is the providing of a locking lug having formed thereon a threaded shank adapted to engage a suitable recess in an adjoining radiator; said lug having detachably mounted thereon an open yoke adapted to engage the neck of the shell or casing of said valve, and particularly that class of air valve which has mounted thereon top caps.

Another and further object of the invention is the providing of a reception yoke of such length and breadth as to permit of the reception therein of an air valve neck of varying sizes.

In the following is described in connection with the accompanying drawings one embodiment of the invention the features thereof being more particularly pointed out hereinafter in the claim.

In the drawings, Figure 1 is a side elevation of an air valve showing with relation thereto an adjacent radiator leg, illustrating the manner in which said valve and locking lug are mounted in said radiator; Fig. 2 is a cross sectional view on the line A—B of Fig. 1; Fig. 3 is a plan view of the locking and supporting lug; and Fig. 4 is a side elevation thereof.

Similar numerals of reference indicate similar parts throughout the several views.

In the drawings 1 indicates the conventional outline of a radiator provided with threaded apertures 2 and 3, aperture 2 being adapted to receive the threaded nipple 4 forming the means of communication between the interior recess of radiator 1 and

valve 5, aperture 3 being adapted to receive the threaded shank 6 of locking and supporting lug 7. Said lug 7 is substantially square to allow for the reception thereof of a hand tool or wrench for placing same in aperture 3 in radiator 1 and has cut therein an offset 8 adapted to receive shoulder 9 on yoke 10 which comprises a U-shaped reception recess 11 formed therein by means of two outwardly diverging arms 12. Said lug 7 and shoulder 9 have fitted therein a screw 12^a adapted to hold the shoulder 9 in offset 8, by which means the yoke 10 is removably connected with the supporting lug 7 without disassembling any of the parts of valve 5. Valve 5 comprises a casing 13 mounted in a base 14 which has formed therewith the communicating nipple 4, said casing 13 having formed therewith a neck 16 having in turn mounted thereon a cap 17.

The main object of the invention is the providing of a holder for radiator air valves having formed thereon a yoke 10 which has formed therein between two outwardly diverging arms 12 a U-shaped recess 11 adapted to receive the neck portion of an air valve provided with a cap. This formation provides a device or a holding means open at its end permitting one portion of said holding means to be removed from its supporting structure obviating the removal of the cap 17 from the neck 16 of air valve 5. The object of this invention is the providing of a holding and locking means that may be readily disassembled in order to remove the radiator air valve from the body of the radiator without necessarily removing any individual part of the valve structure.

It is further obvious that the device may be varied in many ways without departing from the spirit of the invention.

What I claim and desire to secure by Letters Patent of the United States is:—

A device of the character described comprising a supporting member having a threaded portion to screw into a radiator and a solid, wrench receiving portion with a recess at one side; together with a U-shaped reception member adapted to straddle

dle the neck of an air valve, said reception member having a rearwardly extending lug to fit within the recess in the solid portion of said supporting member, said solid portion and lug having alined threaded apertures and a screw engaging therein to unite said members.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FREDERICK H. SAUER.

Witnesses:

LAURA E. SMITH,
G. GUINEER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."