

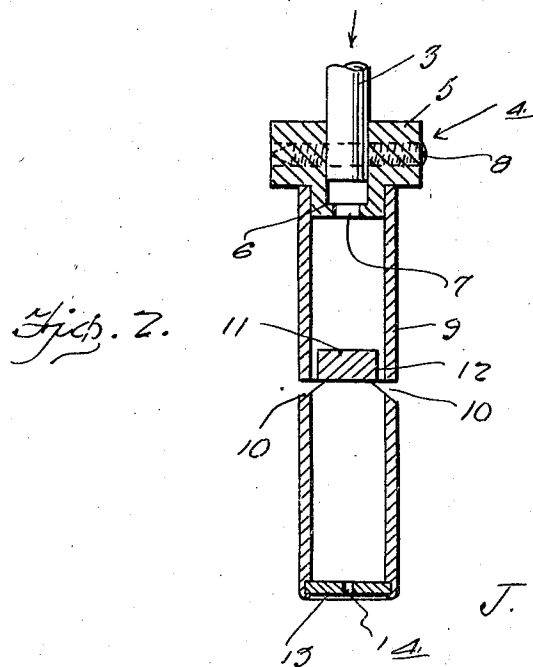
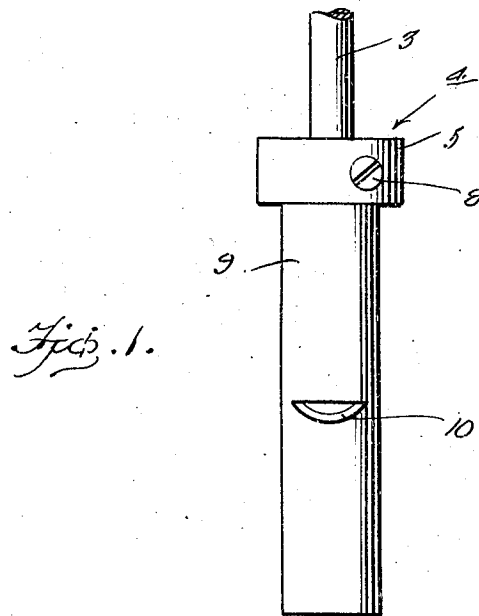
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J. BACKSTATTER

EXCESS STEAM PRESSURE SIGNAL

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EXCESS-STEAM-PRESSURE SIGNAL.

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This invention relates to a new article of manufacture which, because of its function, may be conveniently entitled an excess steam pressure signal, the same being adapted for use in association with the overflow pipe of an automobile radiator of the type employing a water cooling system.

Briefly, the invention comprises an attachment for the lower end of the overflow pipe of the radiator, this attachment being constructed to form a whistle. Hence, when the steam pressure becomes excessive, the whistle comes into play to give a shrill audible signal, indicating to the driver, that the steam is abnormal and producing a dangerous condition.

The particular details and relative arrangement, and association, will become more readily apparent from the following description and drawing:—

In the drawings:—

Figure 1 is an elevational view of the improved overflow pipe attachment.

Fig. 2 is a longitudinal or vertical section through the same.

Referring now to the drawings by numerals, it will be observed particularly from Fig. 2, that 3 designates the overflow pipe, the lower end of which has the attachment removably connected. The attachment embodies a coupling 4 including a collar 5 carrying a central cup-like projection 6 on its bottom, this projection being formed with a restricted port or passage 7. The collar carries a retaining screw 8 which is connected with the pipe 3, to fasten the collar thereon. In addition, the collar carries an elongated cylinder 9 having diametrically opposite sound holes 10, above which is a partition 11,

forming an obstruction, and restricted passages 12 on opposite sides thereof.

Obviously, when the steam in the steam space of the radiator becomes abnormal, it will produce through the medium of this device, a clearly audible whistle, thereby notifying the driver of the dangerous condition of his cooling system.

It will be noticed that the bottom of the cylinder is in the form of a disk 13, having a drain opening 14, thereby allowing the accumulated condensation to drip out slowly.

Careful consideration of the description and drawings will permit a clear understanding of the invention to be had. Therefore, a more lengthy description is regarded unnecessary.

Having thus described my invention, what I claim as new is:—

1. As a new product of manufacture, an audible steam pressure signal of the class described comprising an attachment including a coupling for the lower end of an overflow pipe, and a ported cylinder carried by said coupling.

2. A steam signal of the class described comprising a coupling in the form of an annular collar equipped with a centrally projecting cupped portion having a centralized discharge opening, a retaining screw carried by said collar and adapted to fasten the collar on the discharge end of an overflow pipe, and a cylinder connected to said cupped portion and in communication with said discharge port, said cylinder being provided with intermediate sound holes and a cooperating partition.

In testimony whereof I affix my signature.
JOSEPH BACKSTATTER.