No. 861,095. PATENTED JULY 23, 1907.

L. H. DE LIMON.

ATTACHMENT FOR RAIN GUTTERS.

APPLICATION FILED APR. 14, 1906.

Fig. 1.

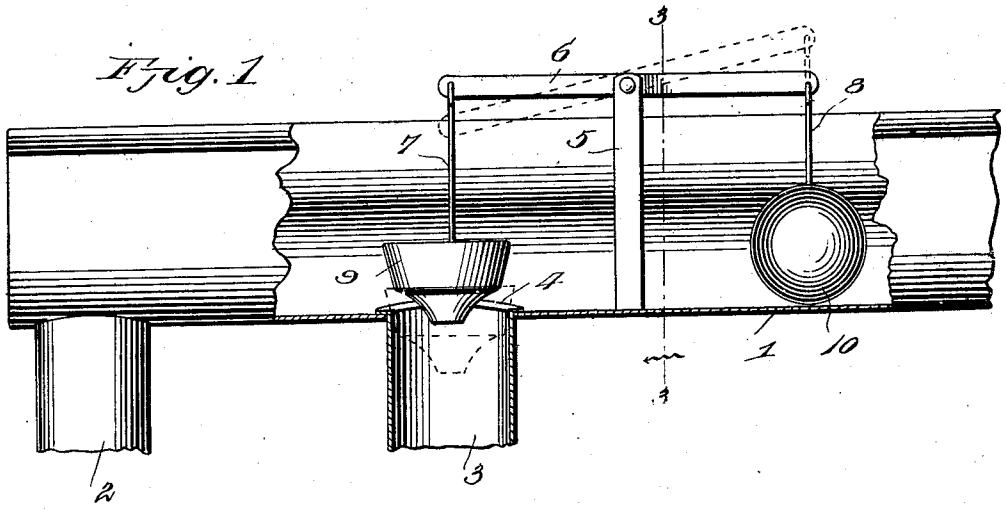


Fig. 2.

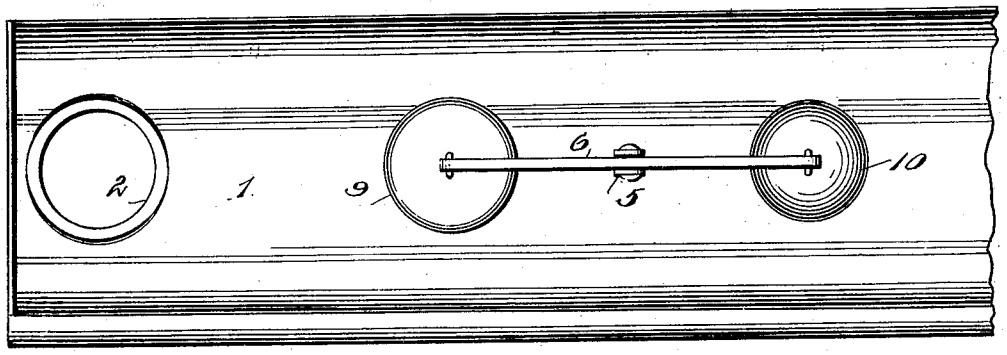
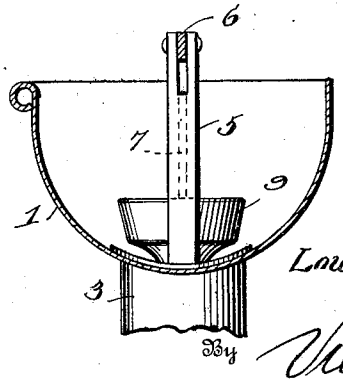


Fig. 3.



Witnesses
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ATTACHMENT FOR RAIN-GUTTERS.

No. 861,095. Specification of Letters Patent. Patented July 23, 1907.

Application filed April 14, 1906. Serial No. 311,784.

To all whom it may concern:

Be it known that I, LOUIS H. DE LIMON, a citizen of the United States of America, residing at Metairie Ridge, in the parish of Jefferson and State of Louisiana, have invented new and useful Improvements in Attachments for Rain-Gutters, of which the following is a specification.

This invention relates to a device for attachment to the gutter of a roof to automatically discharge the impure water first passing thereinto from the roof and to permit the subsequent clear water to pass to a cistern, the object of the invention being to provide a simple, inexpensive and effective device of this character which may be readily applied to and used in conjunction with a gutter of ordinary construction.

In the accompanying drawings,—Figure 1 is a side elevation of a portion of a gutter embodying my invention, with parts broken away and shown in section to clearly disclose the construction. Fig. 2 is a top plan view of the same. Fig. 3 is a transverse section through the gutter on the line 3—3 of Fig. 1.

Referring to the drawings, the numeral 1 designates a roof gutter of ordinary construction provided with a discharge pipe 2 designed in practice to lead to a cistern or storage tank.

Arranged at any suitable point adjacent to the pipe 2 is a waste pipe 3 extending at its upper end through the center of the bottom of the gutter and terminating in a seat flange 4. Rising from the center of the gutter and arranged therein is a standard or support 5 to which is centrally pivoted a lever 6 from the opposite ends of which are suspended, respectively, by wire or other suitable stems 7 and 8 a valve 9 and a hollow float and counterweight 10. The valve 9 is of tapered form to secure an automatic centering and guided movement of the same into the upper end of the pipe 3, which it is designed to close at a stage in the operation of the device to cut off the discharge of the water from the gutter through said pipe 3. The float and counterweight 10 is of somewhat greater weight than the valve 9 to normally hold the same in open position, as shown in full lines in Fig. 1.

In the operation of the device, the water first flowing into the gutter from the roof and washing the dirt and refuse therein is permitted to discharge with the dirt and refuse through the pipe 3, as the initial flow is not sufficient to elevate the float 10. As the fall of the rain increases, however, and a larger volume of water flows into and partially fills the gutter after the initial current has washed the roof clear of dirt and refuse, the float 10 will be elevated or will rise with the water and thus allow the valve 9 to seat within and close the pipe 3. Hence the clear water flowing into the gutter will be prevented from discharging through the pipe 3 and will pass through the pipe 2 to the cistern.

It will be apparent that the construction described provides a device embodying the desirable characteristics set forth and is readily applicable to existing gutters without materially altering the structure thereof.

Having thus described the invention, what is claimed as new, is:—

The herein described eaves trough or gutter having a discharge pipe secured to and projecting from the lower side thereof, a waste pipe secured to the trough at one side of the discharge pipe, said waste pipe having a valve seat disposed inside the trough, a valve comprising a valve head for fitting the valve seat, a stem connected to the valve, a post rising from the center of the trough, a lever pivoted to said post, the upper end of the stem being connected to said lever, and a float supported upon the end of the lever opposite the valve, said float being of sufficient weight to normally hold the valve unseated and to close the valve when the water rises in the trough, to permit the water to flow through the discharge pipe.

In testimony whereof, I affix my signature in presence of two witnesses.

LOUIS H. DE LIMON.

Witnesses:
J. T. BATH,
JNO. DE BLOIS.