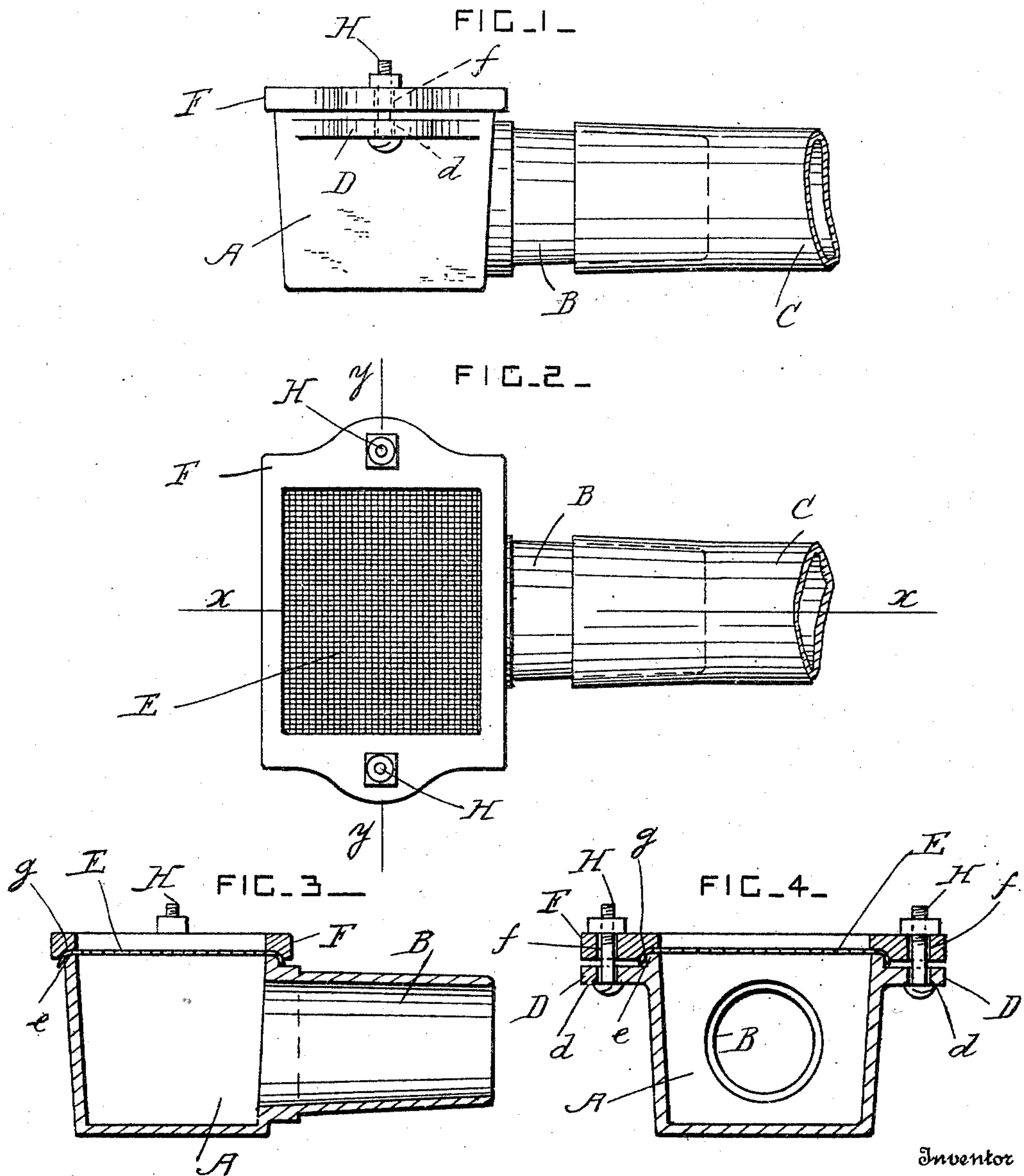


I. BRINDLE.  
STRAINER FOR HOSE PIPES.  
APPLICATION FILED APR. 19, 1909.

950,715.

Patented Mar. 1, 1910.



Witnesses  
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# UNITED STATES PATENT OFFICE.

IRA BRINDLE, OF WAYNESBORO, PENNSYLVANIA.

## STRAINER FOR HOSE-PIPES.

950,715.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed April 19, 1909. Serial No. 490,674.

*To all whom it may concern:*

Be it known that I, IRA BRINDLE, a citizen of the United States, residing at Waynesboro, in the county of Franklin and State of Pennsylvania, have invented certain new and useful Improvements in Strainers for Hose-Pipes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to strainers used on the hose-pipes forming the suction-pipes of the boiler feed-pumps of traction-engines and tank pumps; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the strainer. Fig. 2 is a plan view of the strainer. Figs. 3 and 4 are cross-sections, taken on the lines  $x-x$  and  $y-y$  respectively in Fig. 2.

The body of the strainer consists of a rectangular box A, having on one side a tapering tubular outlet-pipe B, over which the end portion C of the hose-pipe is slipped. The hose-pipe is formed of any suitable flexible material, and it is secured on the pipe B by any approved means.

D are lugs provided with bolt holes  $d$ , and arranged a little below the top edge  $e$  of the box. The top edge  $e$  is rounded over and it forms a seating for a rectangular sheet E of wire-gauze.

F is a frame provided at its ends with bolt holes  $f$ , and  $g$  is a recess in the frame for engaging with the gauze sheet E.

H are bolts which pass through the bolt holes  $d$  and  $f$ . When these bolts are tightened up the edges of the sheet of wire-gauze are bent over the rounded edges of the box

and are pressed into the recess  $g$ , so that the gauze is securely clamped in position. As the sheet of wire-gauze is rectangular in form it is very easily cut to the required shape, and without any waste of material.

The traction-engines travel about the country, and have to take a supply of water from shallow streams occasionally. The flexible hose-pipe is thrown into the stream so that the strainer rests in the position shown in Fig. 1 on the bottom of the stream. The water flows into the top of the box through the wire-gauze, and no mud is drawn into the pump.

What I claim is:

1. A strainer comprising a box provided with a lateral outlet-pipe and having an open top and lugs arranged below the level of its top edge, a sheet of wire gauze, a frame provided with a recess, and fastening devices passing through holes in the said lugs and the overlapping end portions of the frame and clamping the wire gauze in the said recess and against the top edge of the box.

2. A strainer, comprising a rectangular box having an open top, and having also lugs arranged below the said top and a projecting outlet-pipe on one side, a rectangular sheet of wire-gauze, a frame provided with a recess, and fastening devices which engage with the said frame and lugs and which clamp the gauze in the said recess against the top edges of the box.

In testimony whereof I have affixed my signature in the presence of two witnesses.

IRA BRINDLE.

Witnesses:

F. C. WILES,  
SIMON A. ZOELY.