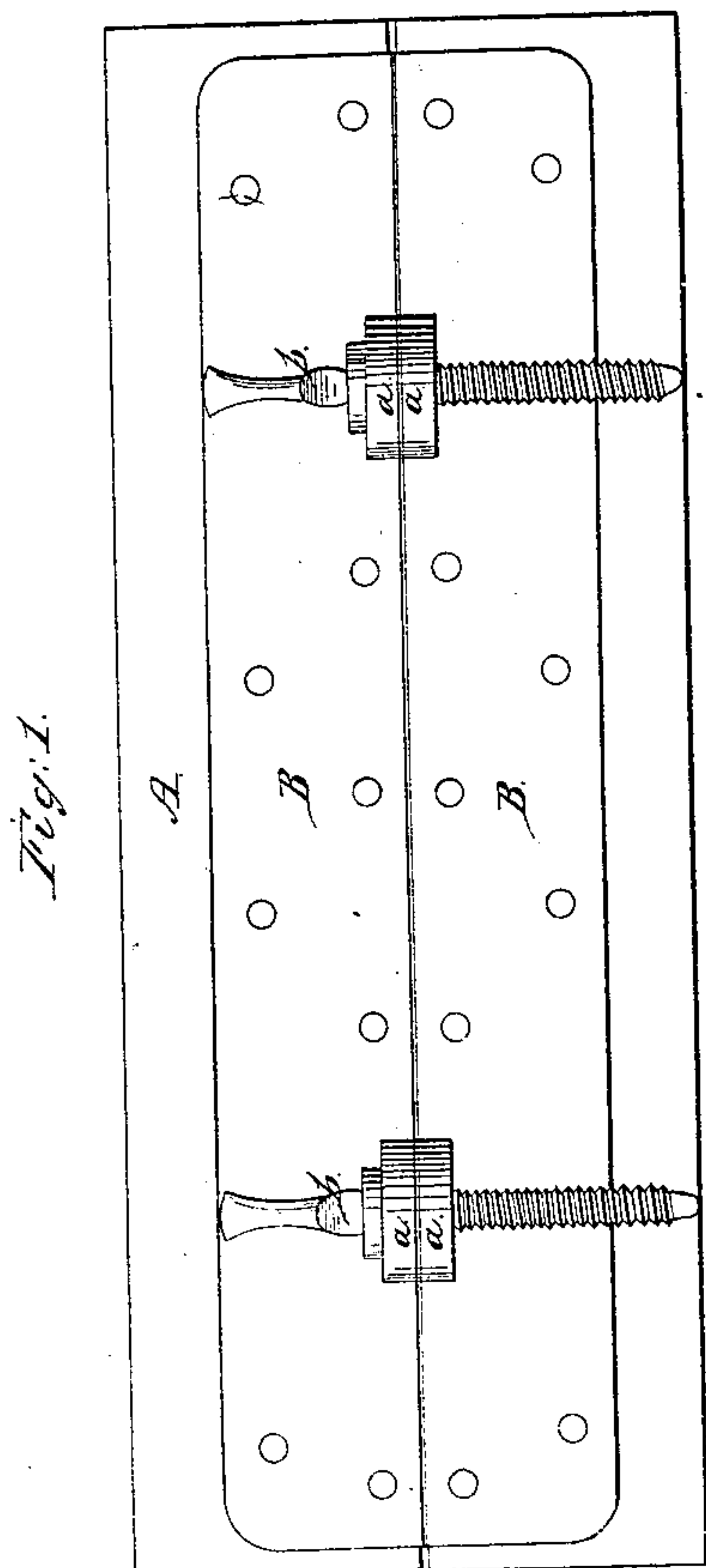
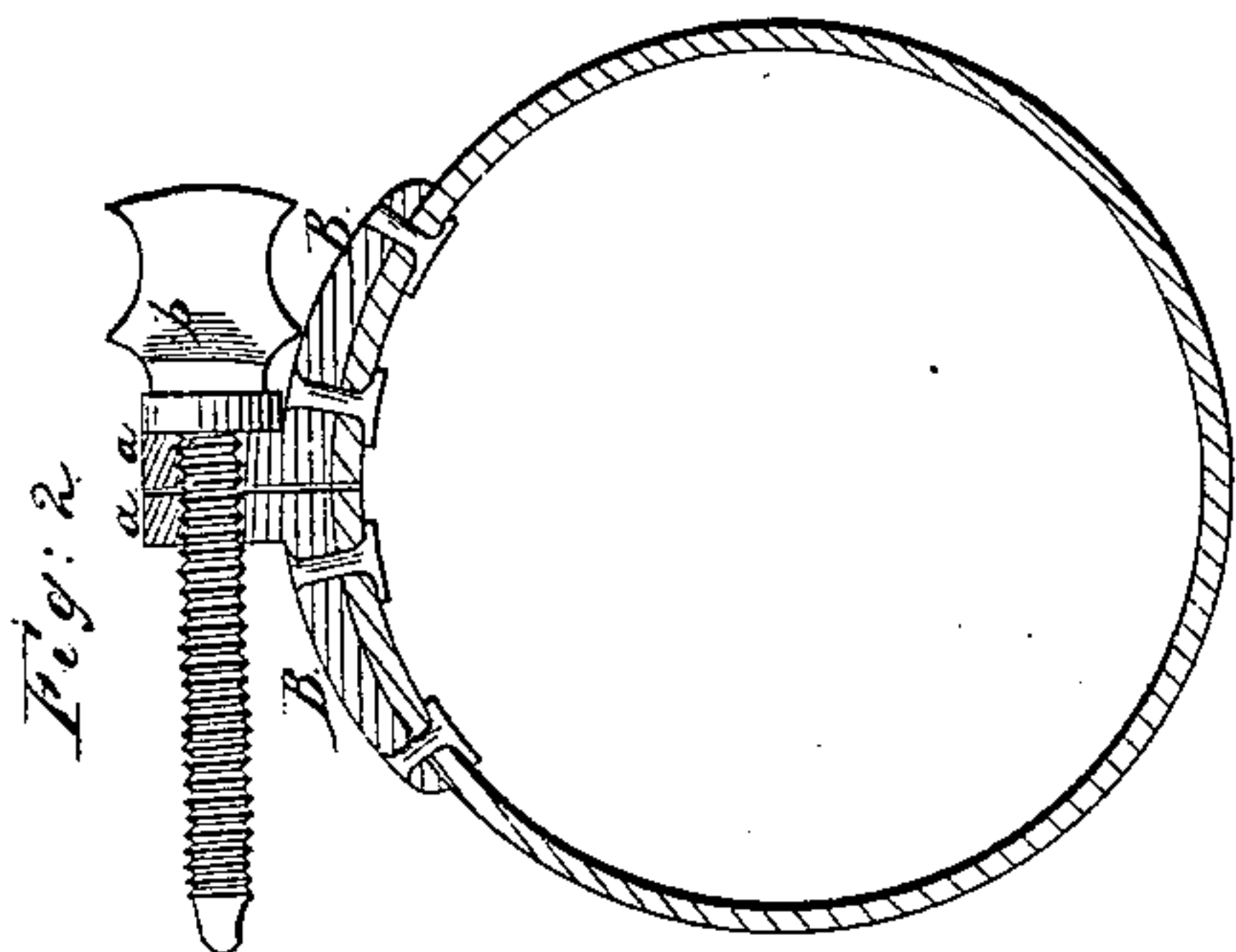


C. RUBSAM.
LEAK STOPPER.

No. 42,735.

Patented May 10, 1864.



Witnesses;
J. W. Coombs.
G. B. Reed

Inventor;
C. H. Rubsam,
per Munroe & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

CHRISTIAN RUBSAM, OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF
AND CHARLES P. HALL, OF SAME PLACE.

IMPROVEMENT IN CLAMPS FOR STOPPING LEAKS IN HOSE-PIPES.

Specification forming part of Letters Patent No. 42,735, dated May 10, 1864.

To all whom it may concern:

Be it known that I, CHRISTIAN RUBSAM, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Clamp for Stopping Leaks in Hose; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a plan or top view of my invention. Fig. 2 is a transverse vertical section of the same.

Similar letters of reference in both figures indicate corresponding parts.

To enable others skilled in the art to make and use my invention, I will proceed to describe it.

A represents a piece of canvas or leather or other suitable flexible material about one foot (more or less) in length, and of such a width that it extends within an inch or so all round a hose of the ordinary size. For hose greatly differing in size the width of the canvas or other material has to be increased or decreased according to circumstances, but two or three clamps of different sizes will be sufficient to meet all contingencies.

To the ends of the canvas or leather A two strips, B, of metal are firmly secured by means of rivets or in any other desirable manner, and these pieces of metal are provided with lugs *a*, one of which is provided with a screw-thread to fit to a screw, *b*, and the other with a hole through which said screw passes freely. If a leak occurs in a hose the screws *b* are taken out, the clamp is placed on the leak,

and by reinserting the screws it is drawn up tight, so that no water can find its way out between the hose and clamp, and for all practical purposes the hose is rendered just as good as new.

For the body of the clamp I prefer canvas to leather or other material, because the canvas, on being attached to a leak when it becomes wet, shrinks and draws up tighter and tighter to the circumference of the hose, whereas leather, on becoming wet, stretches, and if not tightened up repeatedly, allows the water to leak out at the ends.

With this clamp a leak in a hose extending two-thirds round, or more, can be readily stopped, and the delay caused by the operation of attaching the clamps is so small that the hose can be used almost without interruption. It is only necessary to stop the stream for a few minutes, and if a hose burst while playing on a fire, the fire is not permitted to make great headway while the leak is being stopped up, and consequently by the use of my clamp much valuable property can be saved.

Having thus described my invention, I claim as new and desire to secure by Letters Patent, as an improved article of manufacture—

A leak-clamp for hose-pipes, composed of the canvas or fabric A, with attached metallic strips B and clamping-screws *b*, made and operating as herein shown and described.

C. RUBSAM.

Witnesses:

ROSWELD VAN BUSKIRB,
HENRY H. MILLER.