

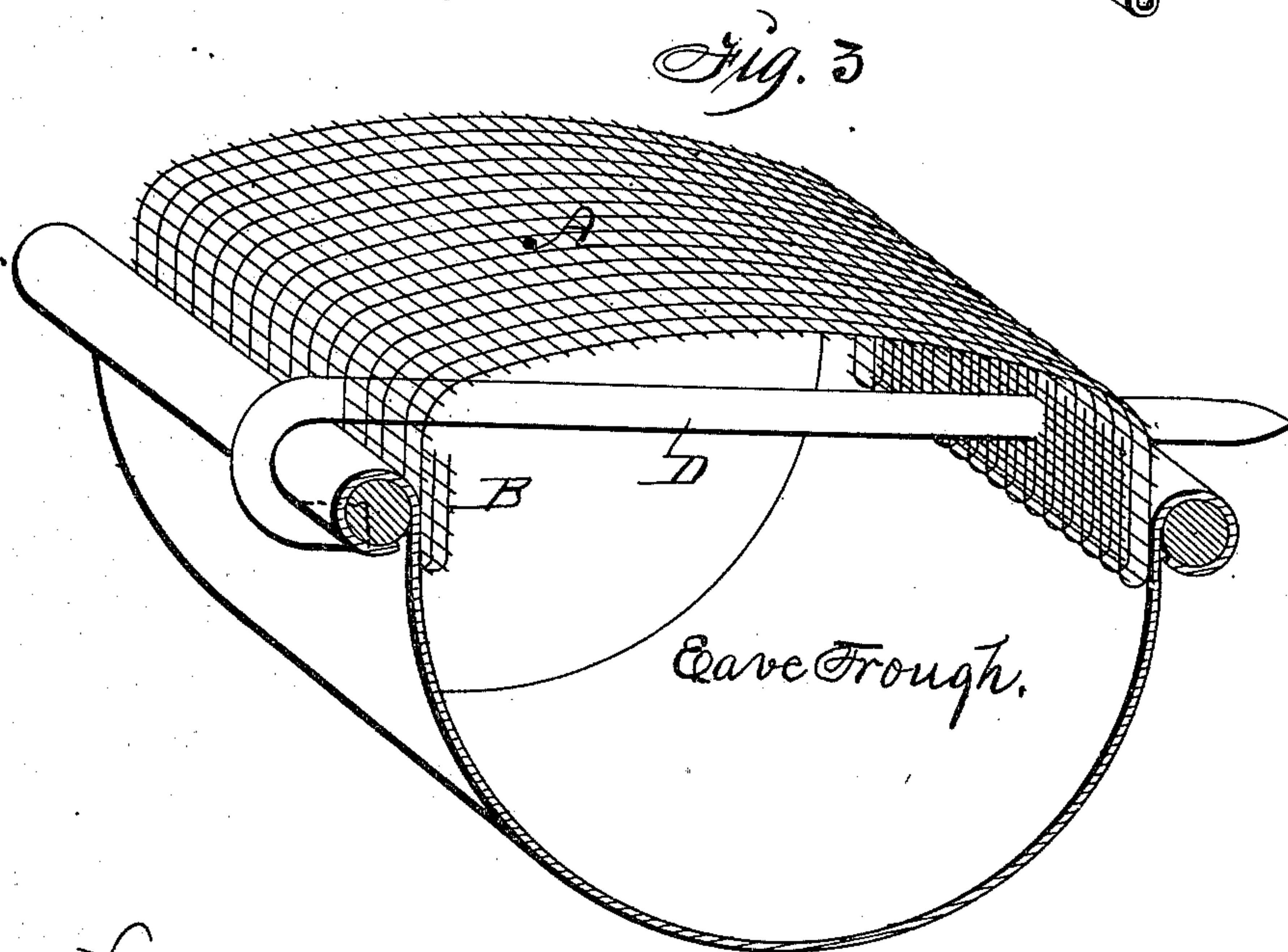
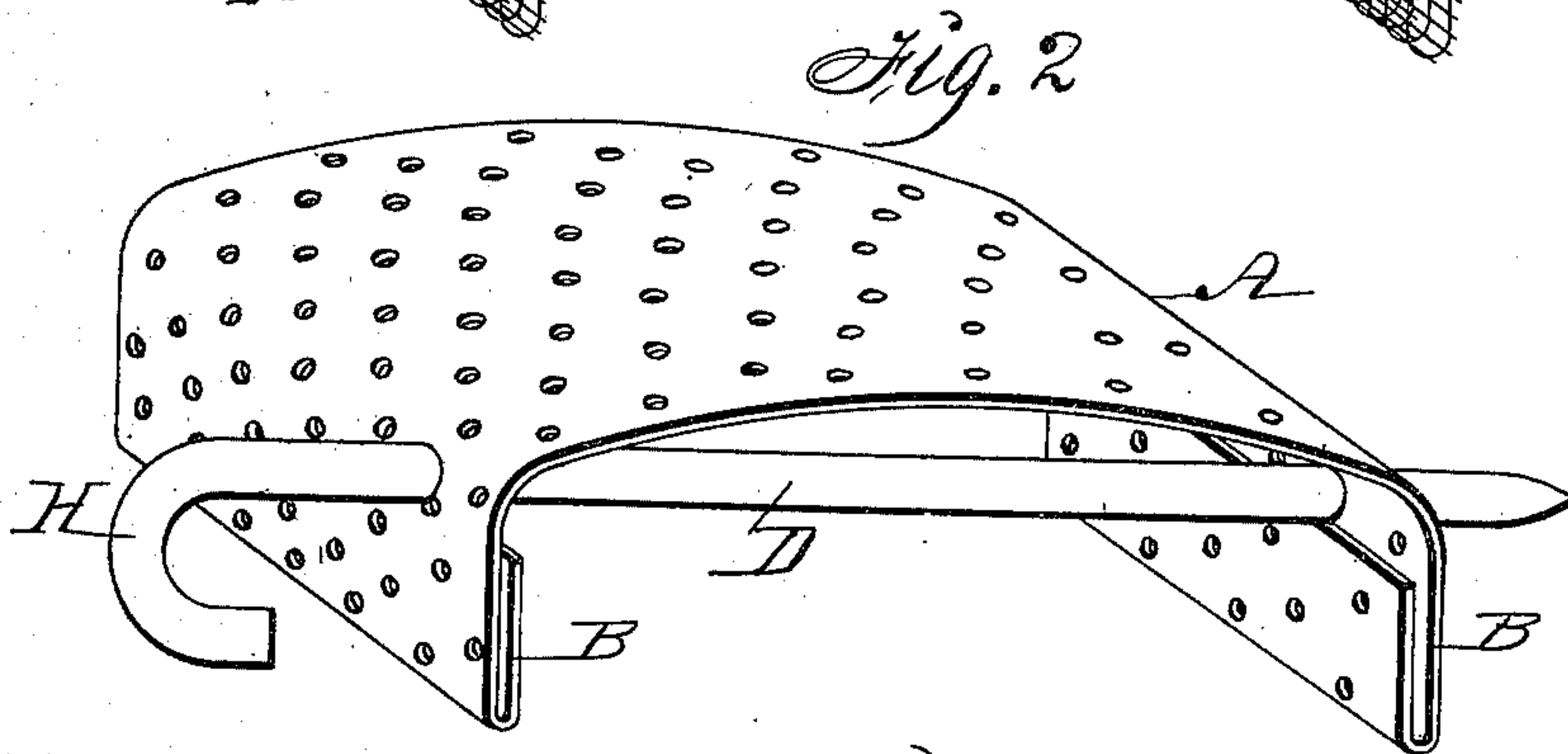
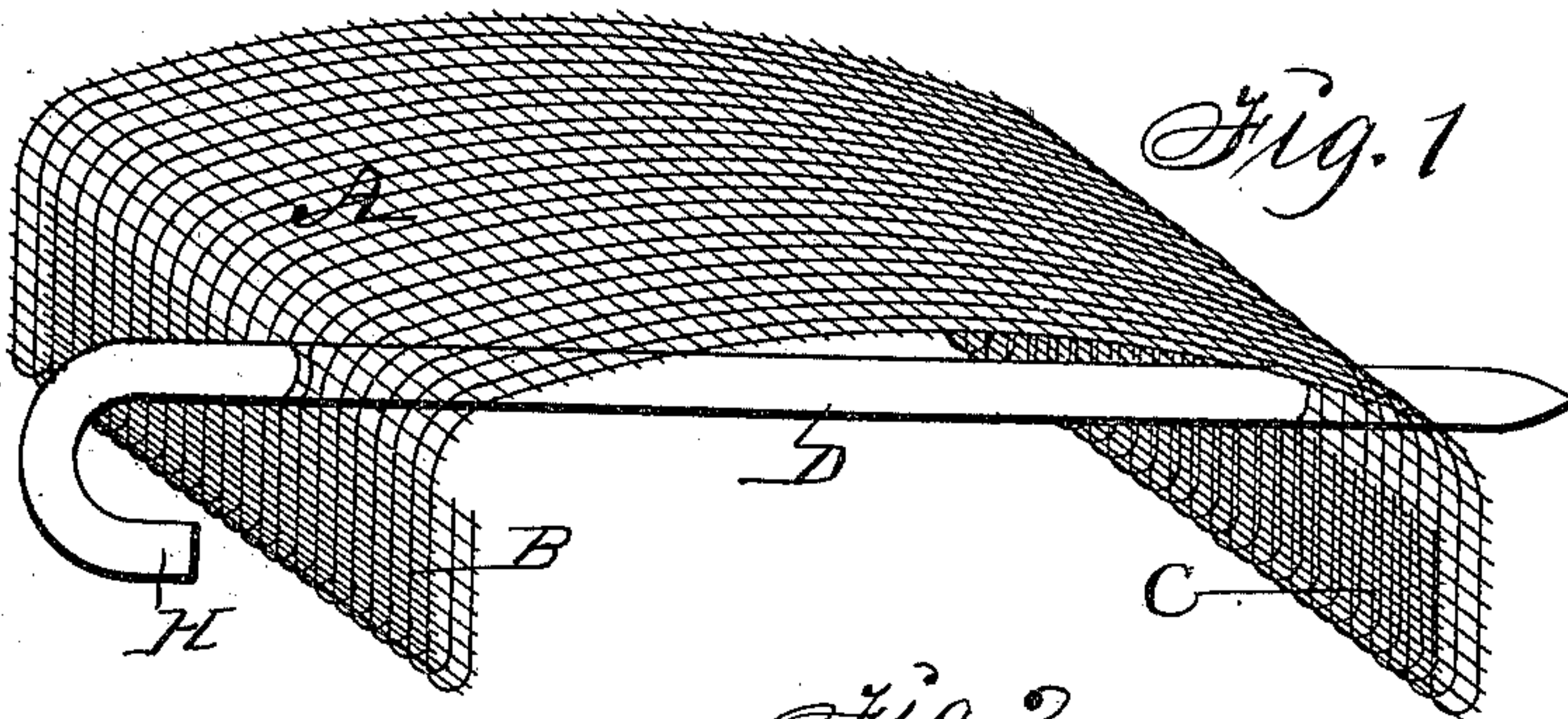
No. 669,495.

Patented Mar. 5, 1901.

F. BABCOCK.
EAVES TROUGH SCREEN PROTECTOR.

(Application filed May 18, 1900.)

(No Model.)



Witnesses:
R. S. Orwig.
L. H. Orwig.

Inventor: Fred Babcock,
By Thomas G. Orwig, Att'y.

UNITED STATES PATENT OFFICE.

FRED BABCOCK, OF DES MOINES, IOWA.

EAVES-TROUGH SCREEN PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 669,495, dated March 5, 1901.

Application filed May 18, 1900. Serial No. 17,105. (No model.)

To all whom it may concern:

Be it known that I, FRED BABCOCK, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have
5 invented a new and useful Eaves-Trough Screen Protector, of which the following is a specification.

Heretofore wire screens have been fixed on the top edges of eaves-troughs so that water
10 could drop therefrom outside of the trough. Downwardly-curved perforated sheet metal has been supported upon curved transverse ribs fixed in a trough in such a manner that the parallel edges of the sheet metal contacted
15 with the inside faces of the trough. Wire frames have been covered with wire screening and placed loosely in troughs.

My object is to provide wire screens made complete from screen material in such a man-
20 ner that their parallel edges will overlies the inside faces of troughs and also extend above said edges and to adjustably combine fastening devices therewith, so that the screens and fasteners can be jointly handled and readily
25 placed in position as required for practical use.

My invention consists in the construction, arrangement, and combination of parts, as hereinafter set forth, pointed out in my
30 claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a section of my attachment made of woven wire. Fig. 2 is a modification of Fig. 1, showing the screen made of perforated sheet metal. Fig.
35 3 is a perspective view of a piece of eaves-trough, showing the screen adjustably and detachably fastened to the trough as required for practical use.

The letter A designates a section of screen
40 bent downward at its parallel edges and preferably stiffened by doubling the edges backward, as shown in Fig. 1, to produce flanges B and C. Pins D, having hooks H on their outer ends, are extended through meshes or
45 openings in the flanges, and by the resiliency of the metal they are retained in place and detachably connected with the screen.

It is obvious the width of the screen A may vary to suit eaves-troughs of different size,

and when a little wider than a trough they 50 can be narrowed by arching them, so as to allow the flanges B and C to enter the trough and overlies the inside faces of the parallel upper portions thereof, as required to prevent any water from dripping from the screen 55 over the outside of the trough. After sections of the screen are thus placed in a trough the pins D are detachably fastened to the trough by simply pressing them inward until the hooks H on their outer ends engage the 60 bead at the outer top edge of the trough, while the inner ends are extended over the inner head of the trough. Any length of trough may be thus securely and advantageously covered by sections of screen fitted and fixed 65 thereto, and it is obvious sections of screen thus connected to the trough may be moved longitudinally to overlies each other at their ends, as required to produce lap-joints. It is also obvious by forming mating flanges 70 on the pieces of screen, so that the flanges are adapted to overlies the inside faces of a trough and also to extend above the edges of the trough, the fastening devices can be adjustably fastened in the flanges for fixing 75 and supporting the body portion of the screen in an arched and advantageous position above the trough. It is also obvious that by the simplicity of construction and manner of application material and labor and cost will be 80 reduced.

Having thus described the purpose, construction, and application of my invention, the practical utility thereof will be readily understood by persons familiar with the art 85 to which it pertains, and what I claim as new, and desire to secure by Letters Patent therefor, is—

1. An attachment for eaves-troughs consisting of a screen cover having flanges projecting downward at its parallel edges adapted to overlies the inside faces of the top portions of a trough and also to extend above the trough, and a plurality of pins, having hooks at their outer ends, extended through said 95 flanges in the manner set forth for the purposes stated.

2. A screen cover for eaves-troughs com-

prising screen-sections having flanges at their parallel edges adapted to overlie the inside faces of the parallel top portions of a trough and also to extend above the trough, pins extended through the said flanges and provided with hooks on their outer ends adapted to engage the bead at the outer top edge of the

trough, in combination with an eaves-trough having a bead at its outer top edge, for the purposes stated.

FRED BABCOCK.

Witnesses:

R. H. ORWIG,

THOMAS G. ORWIG.