W. H. Henderson,

Eaves Trough,

No. 20,155. Patented May 4, 1858.

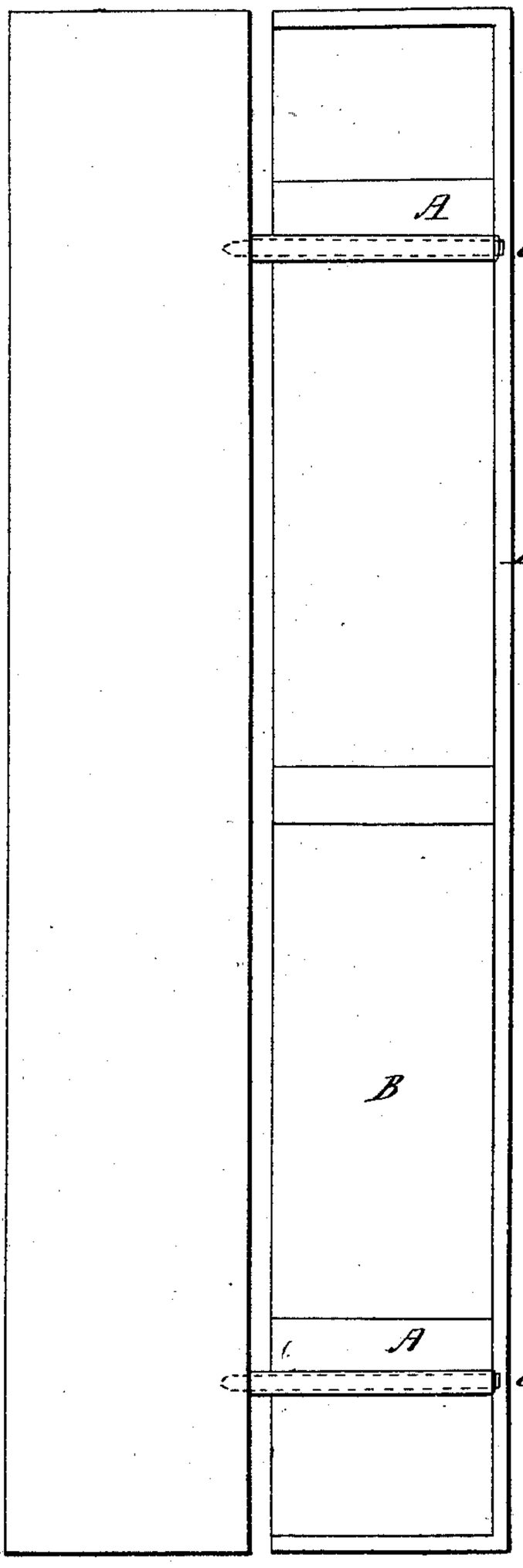

Fig: 1

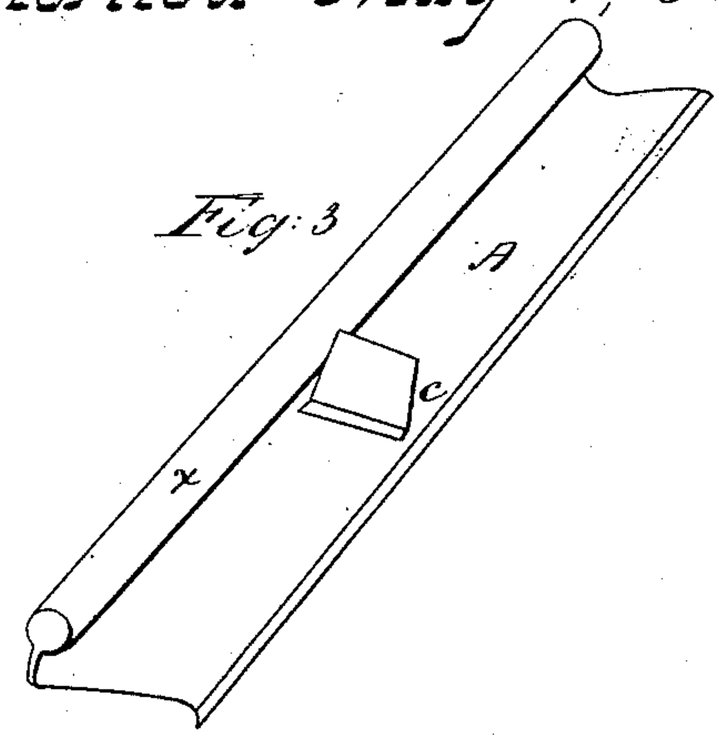

Fig: 3

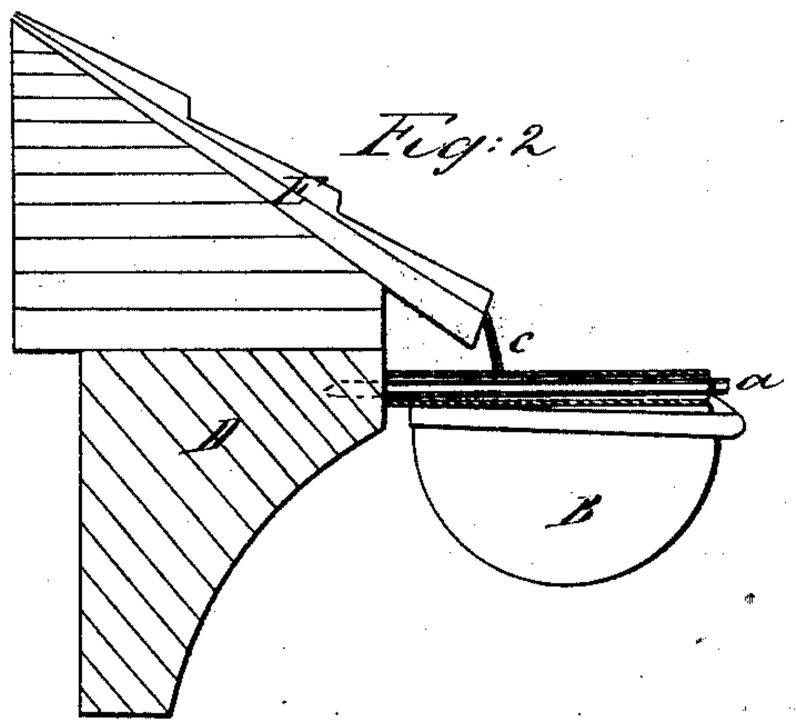

Fig: 2

UNITED STATES PATENT OFFICE.

W. H. HENDERSON, OF FRANKLIN, INDIANA.

BRACE FOR EAVES-TROUGHS.

Specification of Letters Patent No. 20,155, dated May 4, 1858.

To all whom it may concern:

Be it known that I, WILLIAM H. HENDERSON, of the town of Franklin, county of Johnson, and State of Indiana, have invented certain new and useful Improvements in Eaves-Trough Braces; 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 and to the letters of reference marked thereon.

The nature of my invention consists in the arrangement and construction of the brace, that will be hereinafter fully described.

In order that others skilled in the arts may use and construct my invention I will proceed to describe its construction and operation.

In the annexed drawings Figure 1 is a plan view of the trough. Fig. 2, is an end view of the trough showing its connection to the roof and eaves. Fig. 3 is a perspective view of the brace.

In the several figures B represents the trough.

D is the cornice.

E is the roof.

A is the brace; *a a* the pins which pass through the brace and secure it in position.

(*c*) is a strap of tin or other metal secured at one end to the brace A and at the other to the roof.

The brace A, is made in the form shown in Fig. 3, that portion of the brace marked (*x*) being hollow to allow of the pin (*a*) passing through it for the purpose of securing the trough and brace in proper position. The brace is soldered in the trough, as seen in Fig. 1, and assists in keeping the trough in proper form. That portion of the brace marked (*x*) being above the top of the trough, the pin (*a*) passes through it and enters the cornice D, this pin being driven in securely, the strap (*c*) attached to the brace is raised and pinned or nailed to the eaves of the roof E. The trough is thus well secured against pressure either from above or below.

The pins (*a a*) would alone sustain the trough under upward or downward pressure, but should the wind force the trough form toward the cornice it would draw from the pins and be carried off. So I use in combination with the brace the strap (*c*) (which is a common device) for the purpose of preventing the brace drawing from the pins. This strap (*c*) also assists the pins in sustaining downward pressure on the trough.

It will be readily perceived that the brace, the pin and the strap form a very secure and durable fastening for eaves-troughs.

What I claim as new and desire to secure by Letters Patent is—

The arrangement of the brace A, as constructed, in the trough, and with the pins (*a a*) for the purpose set forth and also this arrangement in combination with the strap (*c*), for the better security of the trough as is herein fully described.

WM. H. HENDERSON.

Witnesses:

JOHN K. ALEXANDER,
I. S. MCCLELLAN,
ROBERT HAMILTON.