

(No Model.)

H. J. SULLIVAN.
PIPE SUPPORTING DEVICE.

No. 403,564.

Patented May 21, 1889.

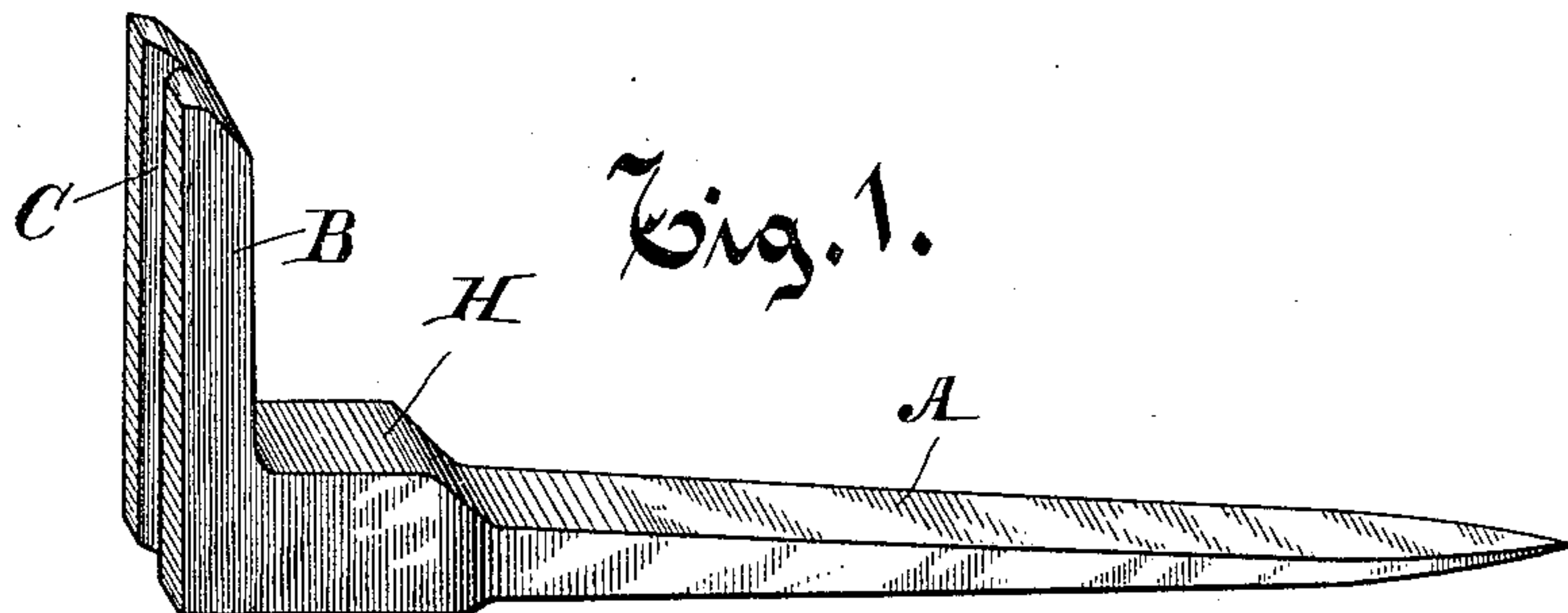


Fig. 2.

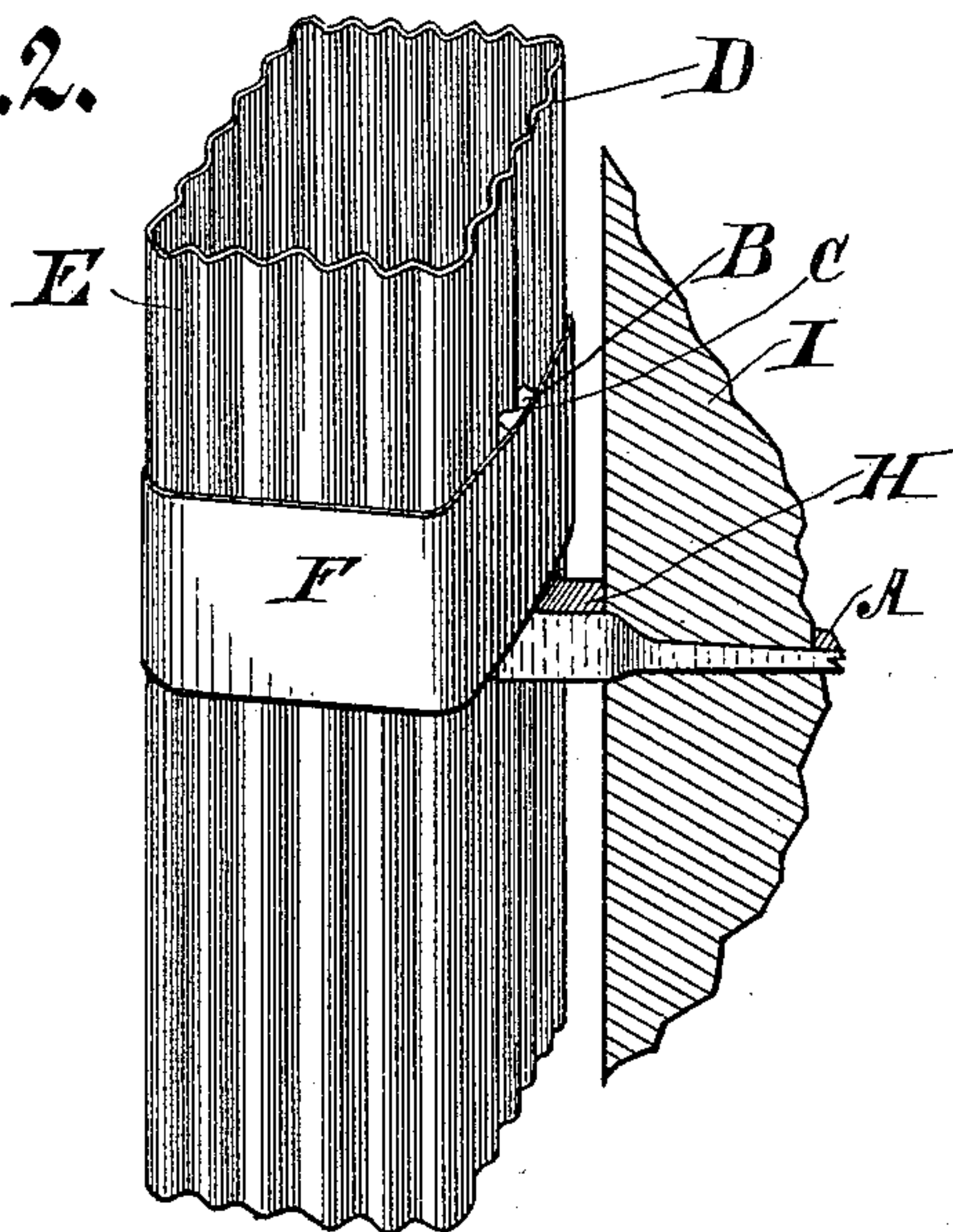


Fig. 3.

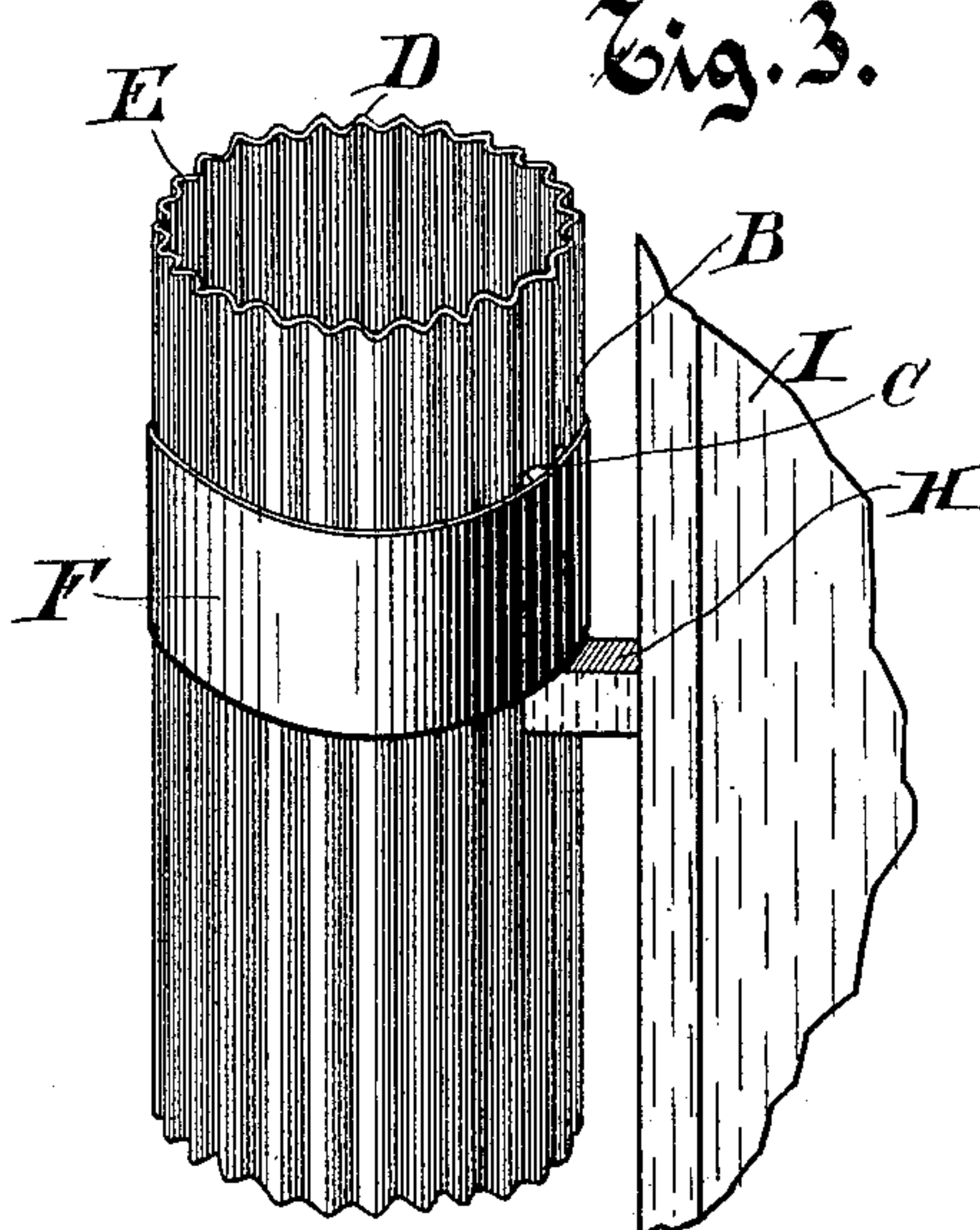
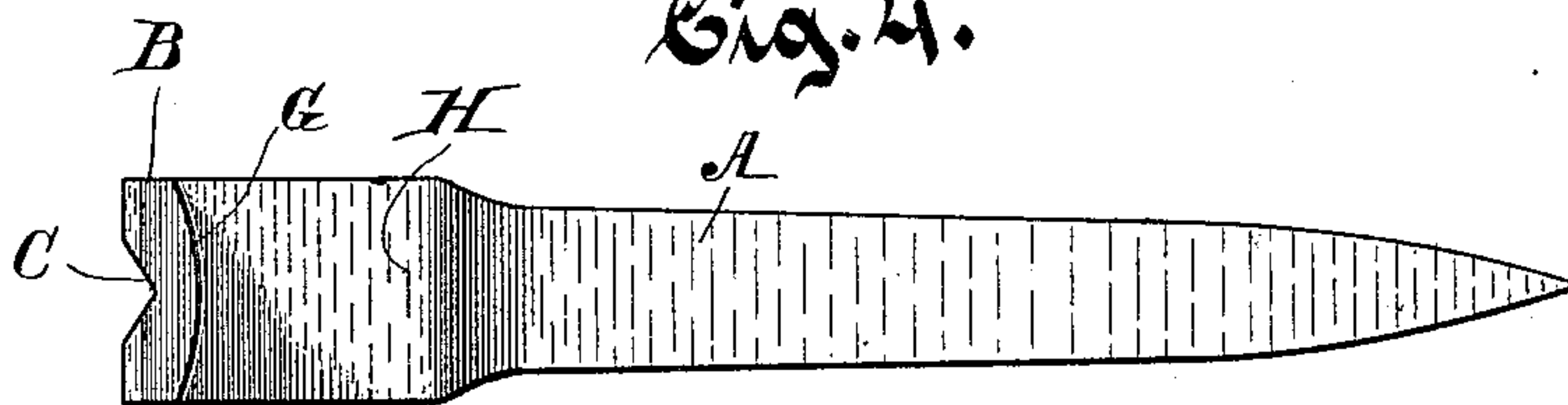


Fig. 4.



Witnesses.

C. H. Jones.
Anna Faust.

Inventor.

Hugh J. Sullivan
By Emmet B. Benedict

Attorneys

UNITED STATES PATENT OFFICE.

HUGH J. SULLIVAN, OF MILWAUKEE, WISCONSIN.

PIPE-SUPPORTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 403,564, dated May 21, 1889.

Application filed October 26, 1888. Serial No. 289,201. (No model.)

To all whom it may concern:

Be it known that I, HUGH J. SULLIVAN, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and
5 useful Pipe-Supporting Device; and I do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying
10 drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a device especially fitted and adapted for
15 steadying and supporting that class of water-pipes that are attached to houses on the outside vertically for conveying rain-water from the gutters on the roofs to the ground, and especially with reference to pipes constructed
20 of corrugated sheet metal.

In the drawings, Figure 1 is a perspective view of my newly-devised bracket. Fig. 2 is a perspective view of my bracket in use with a rectangular corrugated metal pipe. Fig. 3
25 is a perspective view of my device in use with a round water-pipe. Fig. 4 is a top view or plan of the device shown in Fig. 1, slightly modified.

The same letters refer to like parts in the several views.

30 The bracket shown in Fig. 1 consists of a tang, A, intended and adapted to be driven into the side of a building, whereby the bracket is affixed permanently to the building, and an arm or head, B, integral therewith, but at
35 right angles thereto and provided on its outer face with a channel, C, which channel is intended to be in a vertical direction, and is adapted to receive therein one of the ridges or outwardly-projecting corrugations, D, of
40 the water-pipe E. A metal band, F, fitted loosely about the pipe E, is adapted to slide over the arm or head B and hold the pipe securely to the bracket. The water-pipes are
45 sometimes constructed in a rectangular form, as shown in Fig. 2, and sometimes in a round form, as shown in Fig. 3, and when my bracket is intended for use with the round form I preferably curve or round the back of the

arm B, as shown at G in Fig. 4, to thereby adapt it more completely for use in connection with the circular band F. I also preferably enlarge that portion of the shank of the bracket at H which is to remain outside of the house and which should be made sufficiently strong to properly support the water-
55 pipe, the smaller tang part, A, being intended to be driven into the side of the building I, as shown in Figs. 2 and 3.

It will be understood that in use the tang A of this bracket is driven into the side of
60 the building up to the enlarged or body part H of the shank in such position that the groove or channel C will be vertical, and the water-pipe is then placed vertically against the outer surface of the arm B in such man-
65 ner that a rib or ridge, D, of the water-pipe will enter the channel C, and the band F is then moved down on the water-pipe and over and around the arm B of the bracket, whereby
70 the water-pipe is held in firm position with reference to the building by means of the bracket or such number of them as may be necessary. Any other form of water-pipe
75 having a rib or ridge adapted to enter the channel C on the outside of the head or arm B could be used equally well with this form of bracket.

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

A bracket consisting of a tang, A, adapted
80 to be driven into the side of a building, an enlarged shank, H, and a head, B, having a vertical channel, C, in its face, in combination with a corrugated metal water-pipe and a
85 band, F, fitting closely but movably about the pipe and the head of the bracket, the channel in the face of the bracket being constructed and adapted to receive therein and fit closely
90 upon an outwardly-projecting corrugation of the pipe, substantially as described.

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

HUGH J. SULLIVAN.

Witnesses:

C. T. BENEDICT,
C. H. KEENEY.