

(No Model.)

R. D. GALLAGHER.

BROOM.

No. 335,808.

Patented Feb. 9, 1886.

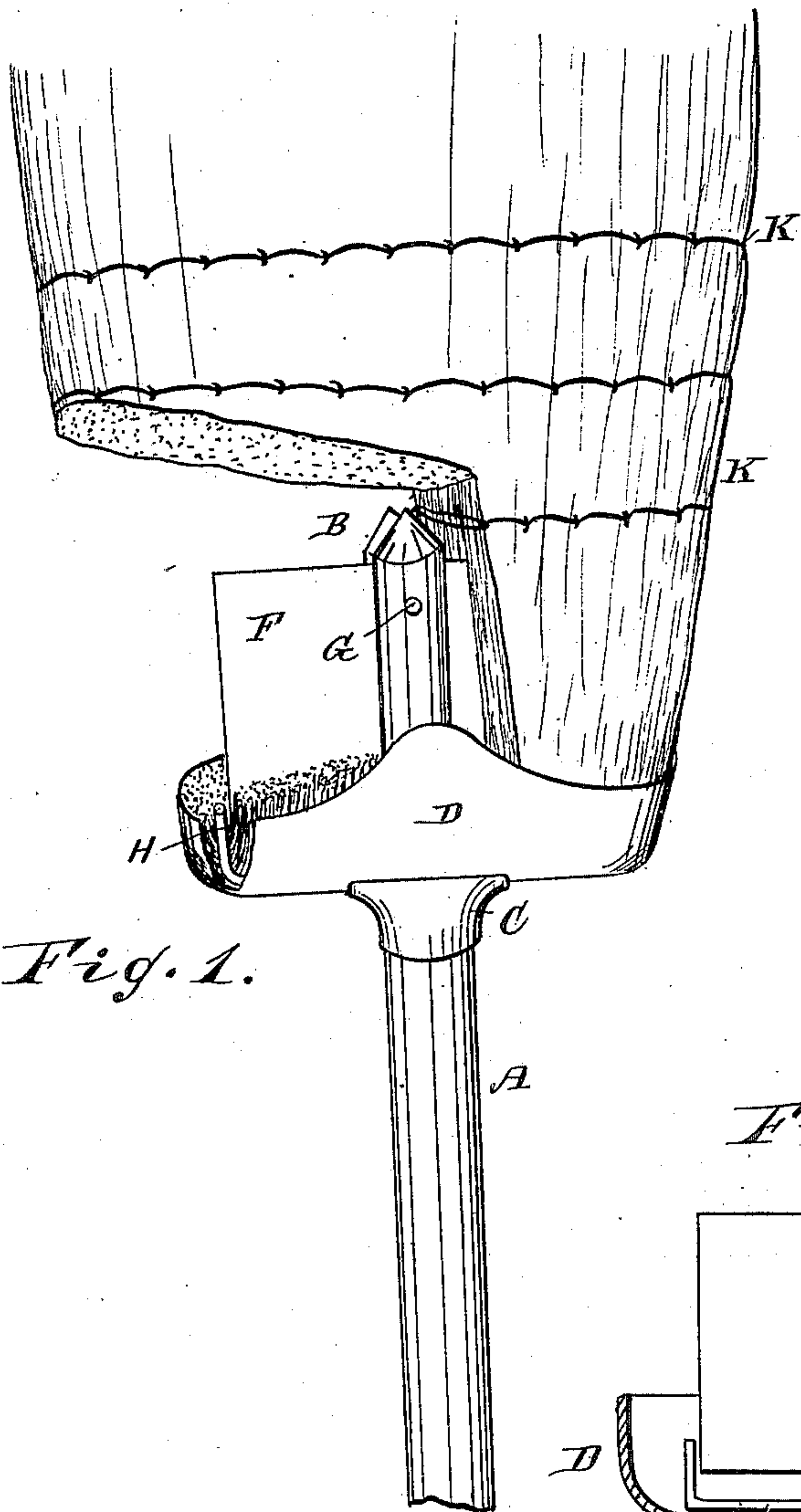


Fig. 1.

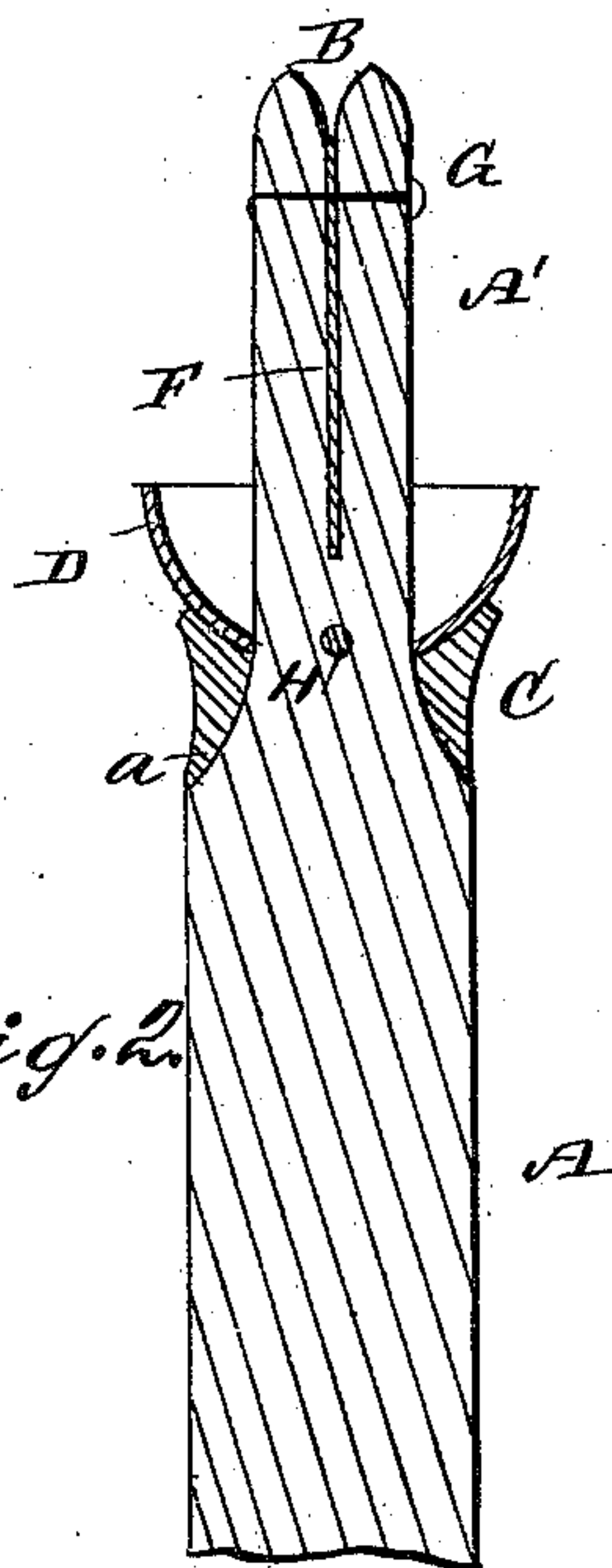


Fig. 2.

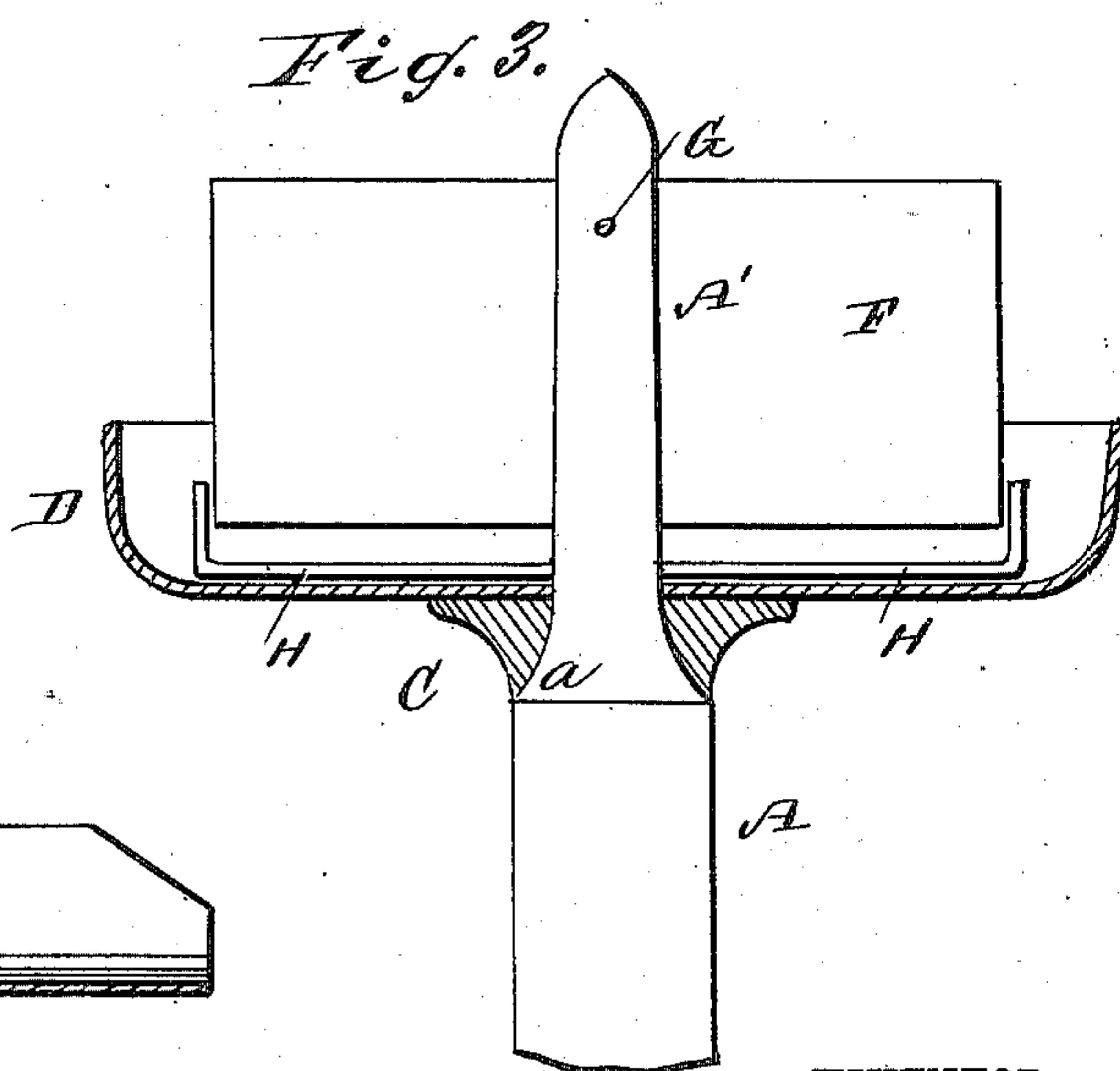


Fig. 3.

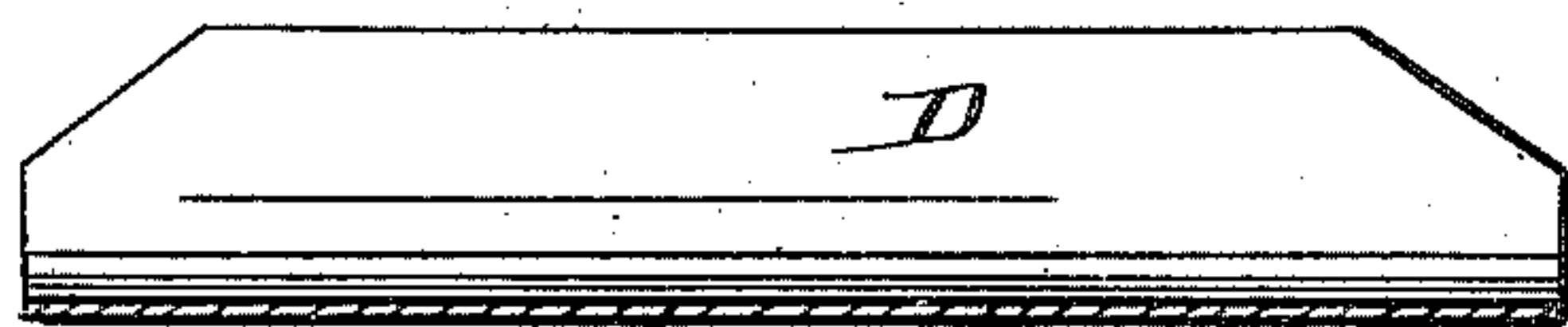


Fig. 4.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

RICHARD DEAVES GALLAGHER, OF PLATTSMOUTH, NEBRASKA.

## BROOM.

SPECIFICATION forming part of Letters Patent No. 335,808, dated February 9, 1886.

Application filed April 21, 1884. Serial No. 128,730. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD D. GALLAGHER, of Plattsouth, in the county of Cass and State of Nebraska, have invented certain  
5 new and useful Improvements in Brooms, of which the following is a full, clear, and exact description.

The object of my invention is to provide certain new and useful improvements in broom-corn or straw brooms, whereby the broom can  
10 never become loose, is strengthened, and has its upper part strengthened, so that the broom will have more spring and leverage.

The invention consists in the construction  
15 and arrangement of parts, as will be herein-after fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate  
20 corresponding parts in all the figures.

Figure 1 is a perspective view of my improved broom, parts being broken out and others shown in section. Fig. 2 is a cross-sectional view of the stick, cup, and plate.  
25 Fig. 3 is a longitudinal sectional elevation of the same. Fig. 4 is a longitudinal sectional view of a modification of the cup.

The stick A has its diameter decreased at one end to form a shoulder, *a*, and the thinner part, A', is provided with a slot, B. A  
30 collar, C, is held on the thin part A' and rests against the shoulder *a*. The collar C has its lower end recessed to fit against the rounded top of an elongated cup, D, provided in its  
35 center with an aperture, through which the part A' of the stick can be passed.

The broom-corn is cut to the desired length, and the ends are curved and bent over in the elongated cup D, and then a piece, F, of  
40 sheet metal is forced through the slit B on the part A', and is driven down to hold the ends of the broom-corn in the cup. A nail, G, is then driven through the part A' and through the piece F, and is then clinched, which nail G  
45 holds the piece F in place.

A wire, H, is passed through the part A' of the stick between the cup D and the adjoining edge of the metal piece, and the ends of the said wire are bent over toward the free  
50 ends of the broom-corn, to prevent the corn from being forced out at the ends of the cup.

The broom-corn is bound by means of wires or cords K in the usual manner.

The cup D can be made of sheet metal or other suitable material. A broom made as  
55 herein described never becomes loosened at the handle, the piece of sheet metal gives it a good leverage, stiffens the upper part, and makes the lower part more elastic or springy.

Having thus described my invention, I claim  
60 as new and desire to secure by Letters Patent—

1. The combination, with the stick A, slotted at its lower end and provided with a shoulder, *a*, of the collar C, resting against said  
65 shoulder, elongated cup D, resting against said collar, a wire passed through the stick adjacent to the under face of the cup, the plate F, passed through the slotted end of the stick, and a nail, G, passed through the stick and  
70 plate, substantially as set forth.

2. In a broom, the combination, with the stick A, reduced at its lower end to form a shoulder, *a*, of the collar C, resting against  
75 said shoulder and recessed on its lower face, and the independent elongated cup D, having a rounded top fitting into the said recess of the collar, substantially as set forth.

3. In a broom, the combination, with the stick slotted at its lower end, of the elongated cup D, the plate F, secured in the slotted end  
80 of the stick, and the wire H, passed through the stick within the cup and having its ends bent, for the purpose set forth.

RICHARD DEAVES GALLAGHER.

Witnesses:

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