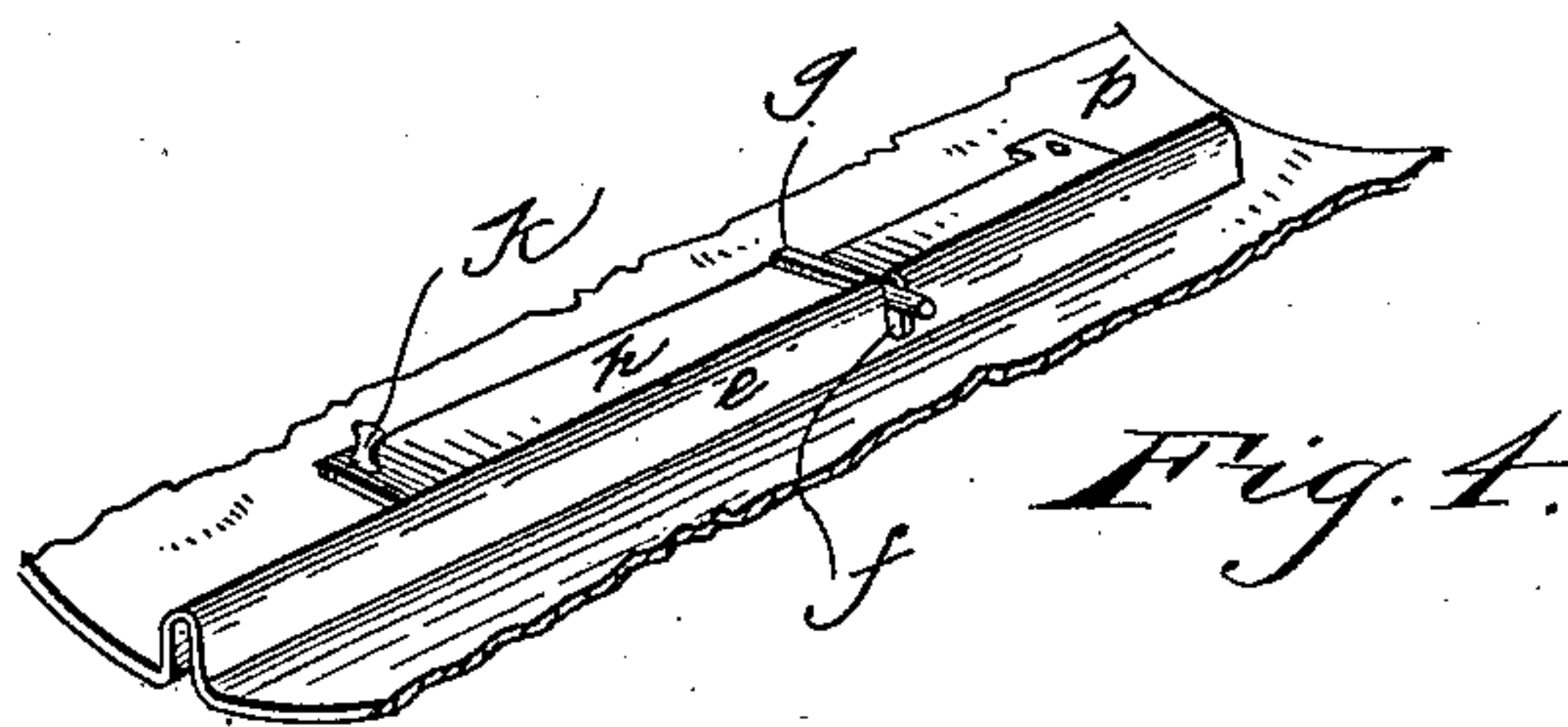
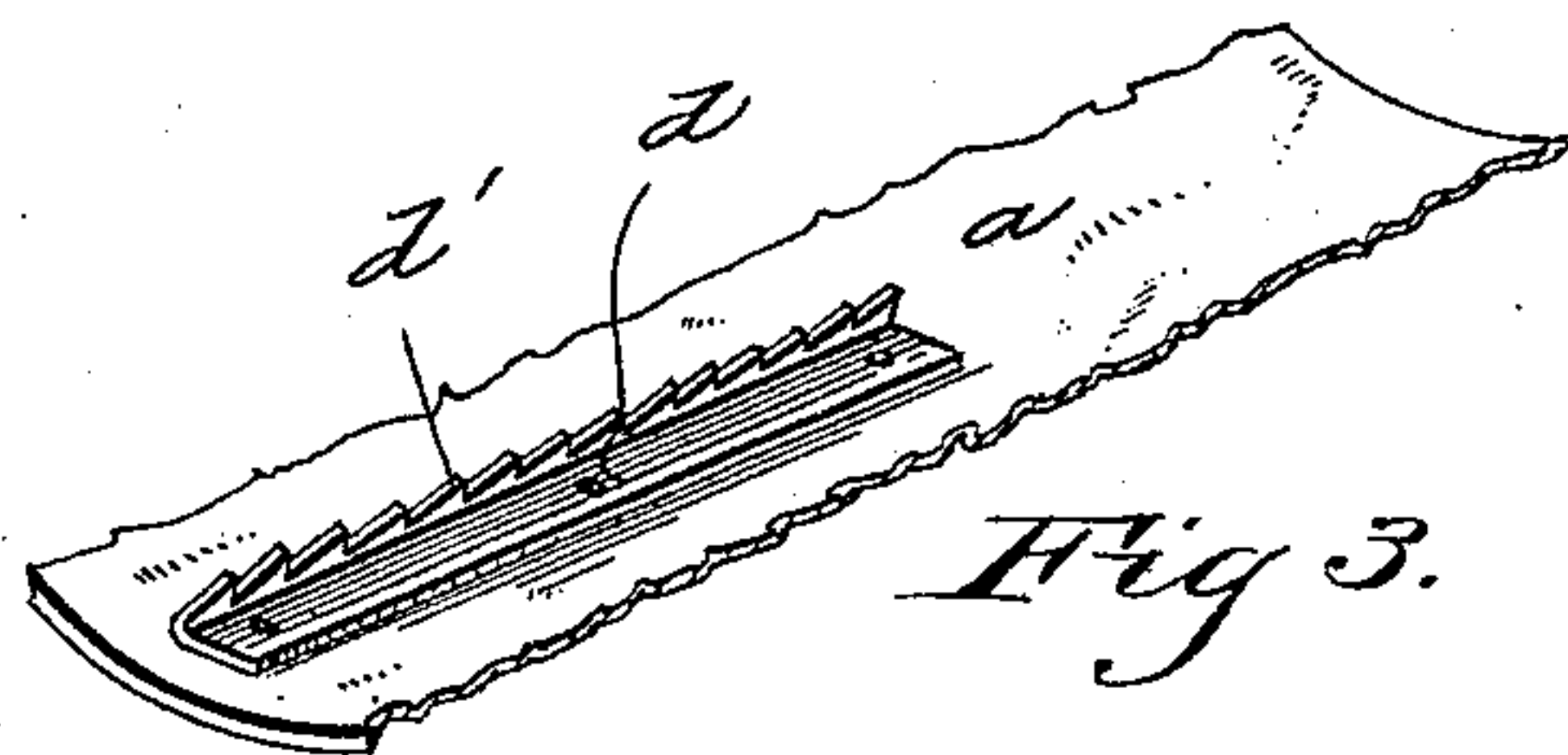
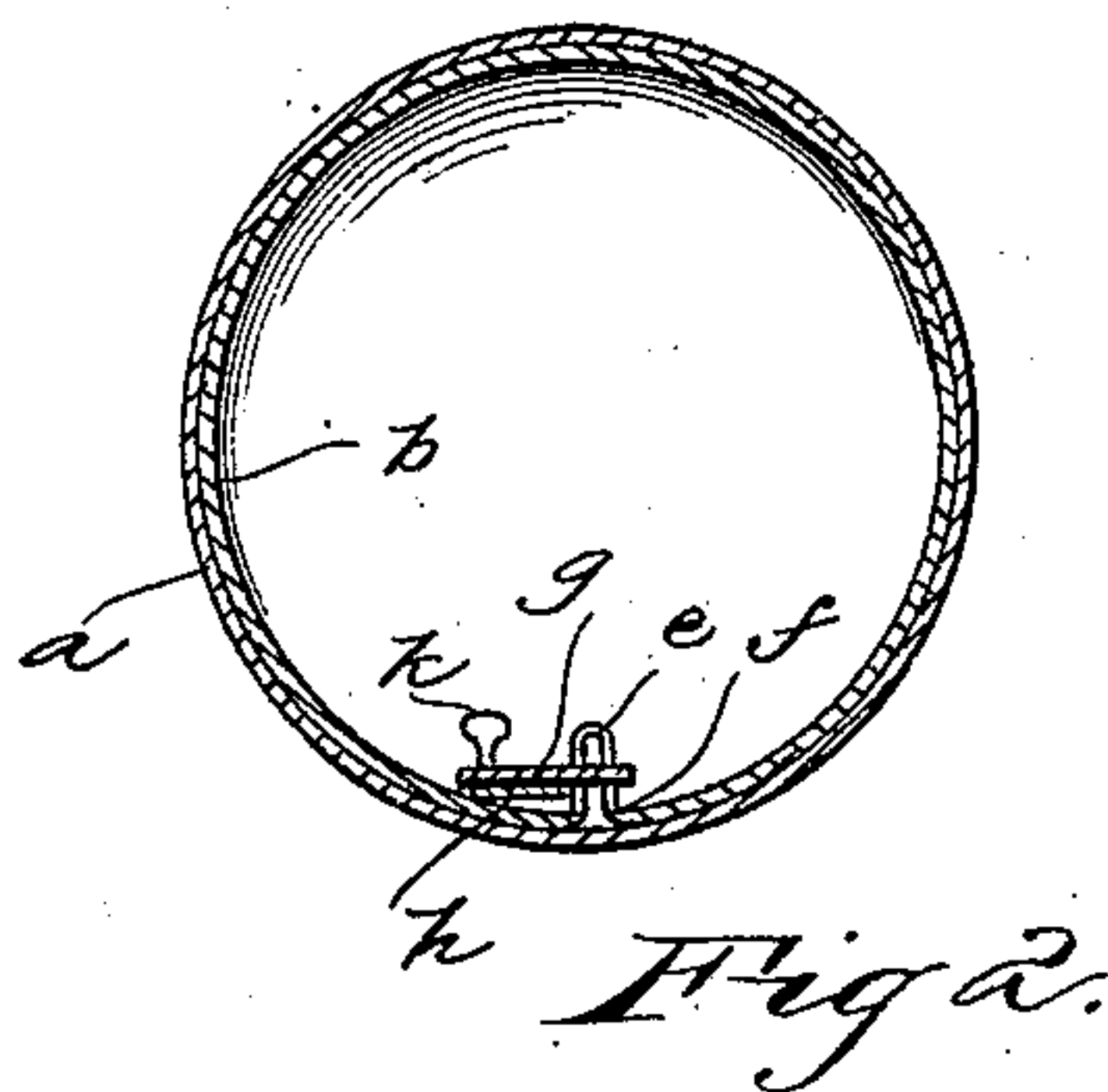
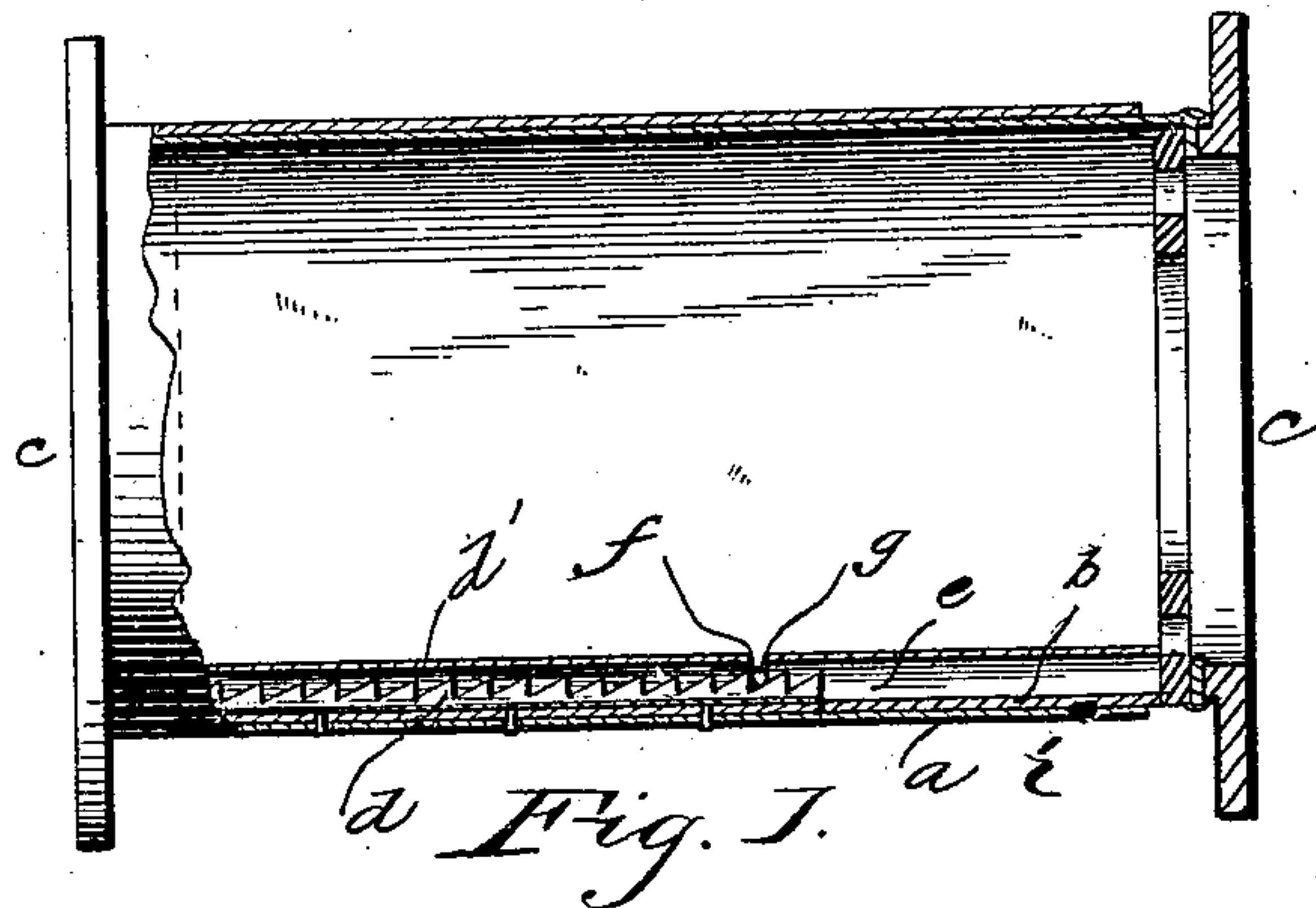


(No Model.)

A. J. MARTIN.  
STOVE PIPE THIMBLE.

No. 308,272.

Patented Nov. 18, 1884.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ANDREW J. MARTIN, OF CARLISLE, OHIO.

## STOVE-PIPE THIMBLE.

SPECIFICATION forming part of Letters Patent No. 308,272, dated November 18, 1884.

Application filed June 20, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, A. J. MARTIN, a citizen of the United States, residing at Carlisle, in the county of Warren and State of Ohio, have  
5 invented a new and useful Stove-Pipe Thimble, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to stove-pipe  
10 thimbles to be used in ceilings and partitions for registers and stove-pipes to prevent fire from being communicated from the register or stove-pipe to the building; and it consists in the construction and novel arrangement of  
15 parts, as will be hereinafter fully described, and particularly pointed out in the claim appended.

Figure 1 is a vertical longitudinal sectional view of a stove-pipe thimble embodying the  
20 improvements of my invention. Fig. 2 is a vertical cross-section on the line  $xx$  in Fig. 1. Fig. 3 is a perspective detail view of a portion of the outer cylinder, showing the saw-tooth rack; and Fig. 4 is a perspective detail  
25 view of the inner cylinder, showing the integral notched guide-groove and the spring provided with the stud for engaging the saw-tooth rack.

Referring by letter to the accompanying  
30 drawings,  $a$  designates the outer cylinder of the thimble, and  $b$  the inner cylinder of the same, each of which is provided with the cast-iron flange-plates  $c$   $c$ , provided with the central orifice in which the stove-pipe rests  
35 when in place, and external to these orifices a series of ventilating-holes usually provided in such plates. The external cylinder,  $a$ , is provided upon its inner face, preferably directly  
40 opposite the seam therein, with a saw-tooth rack,  $d$ , the teeth  $d'$  of which lean or point toward the flanged end of said cylinder. This rack  $d$  extends from quite near the inner plain end of the cylinder  $a$  throughout one-half or more of its length, as shown. The inner cyl-

inder,  $b$ , is provided, preferably in its side op- 45  
posite the seam, with an inwardly-indented integral guide-groove,  $e$ , extending the entire length of the cylinder, which is provided a short distance from its outer end with a notch,  
50  $f$ , to receive the lateral stud  $g$ , fixed to the flat spring  $h$ , pivoted on the inner face of said cylinder  $b$  near its flange end, extending along-side of the grooved guide  $e$ , and provided at  
55 its inner end with a suitable finger-piece,  $k$ , by which to lift the stud from the notch to disengage it from the teeth of the rack when the cylinders are to be adjusted longitudinally.

By this construction the thimble can be adjusted to varying thicknesses between floor and ceiling, between partition-walls, and other  
60 places where stove-pipe thimbles are to be used. As there are no holes in the cylinders, sparks cannot escape, and as there is ample ventilation, there can be no danger from ignition at the points where these thimbles are  
65 used. This device possesses simplicity, security, durability, cheapness, and general efficiency.

Having thus fully described my invention, what I claim as new, and desire to secure by  
70 Letters Patent of the United States, is—

In a stove-pipe thimble, the combination, with the outer cylinder provided on the interior with the saw-tooth rack, of the inner cylinder provided with the inwardly-extending  
75 guide-groove having a notch therein, and the pivoted spring provided with the lateral stud for entering the notch and engaging the teeth of the rack in the groove to hold the cylinders to their adjustments, substantially as  
80 specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ANDREW J. MARTIN.

Witnesses:

J. M. DACTLER,  
HARRY DACTLER.