

(No Model.)

2 Sheets—Sheet 1.

E. F. NEUMANN.
STOVEPIPE THIMBLE.

No. 493,641.

Patented Mar. 21, 1893.

FIG. 1.

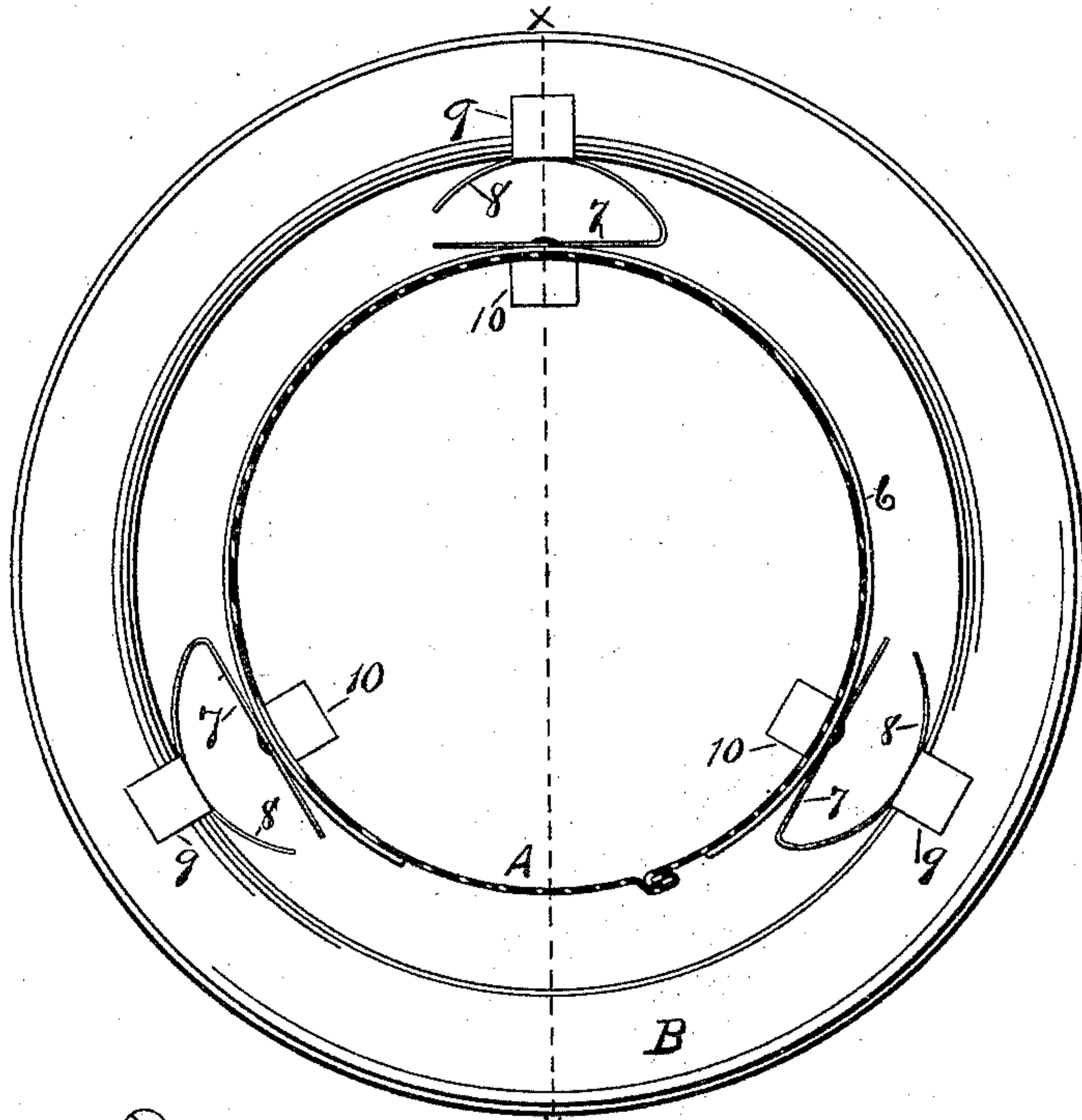
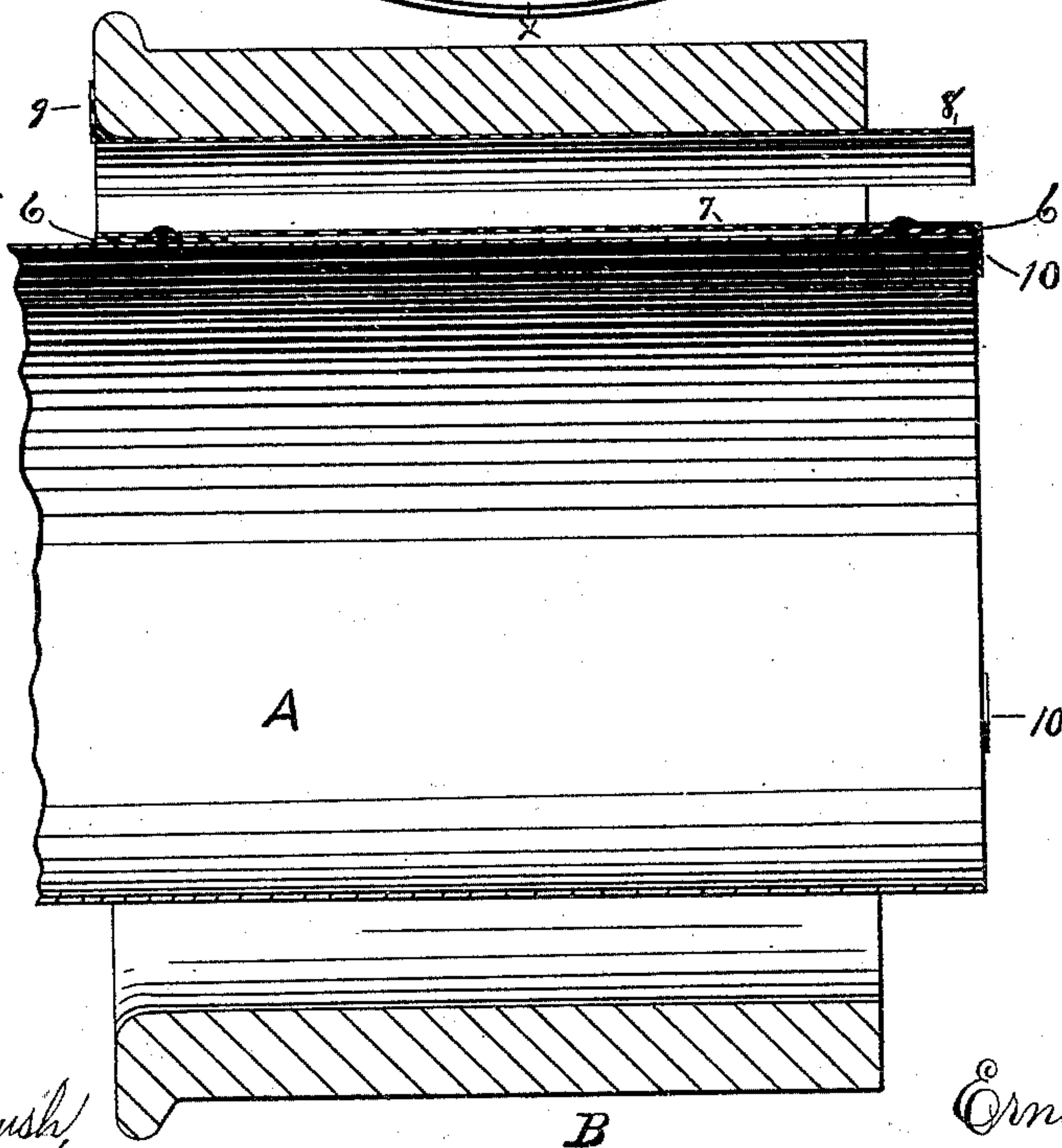


FIG. 2.



WITNESSES.

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INVENTOR.

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By James Shepard
ATTY.

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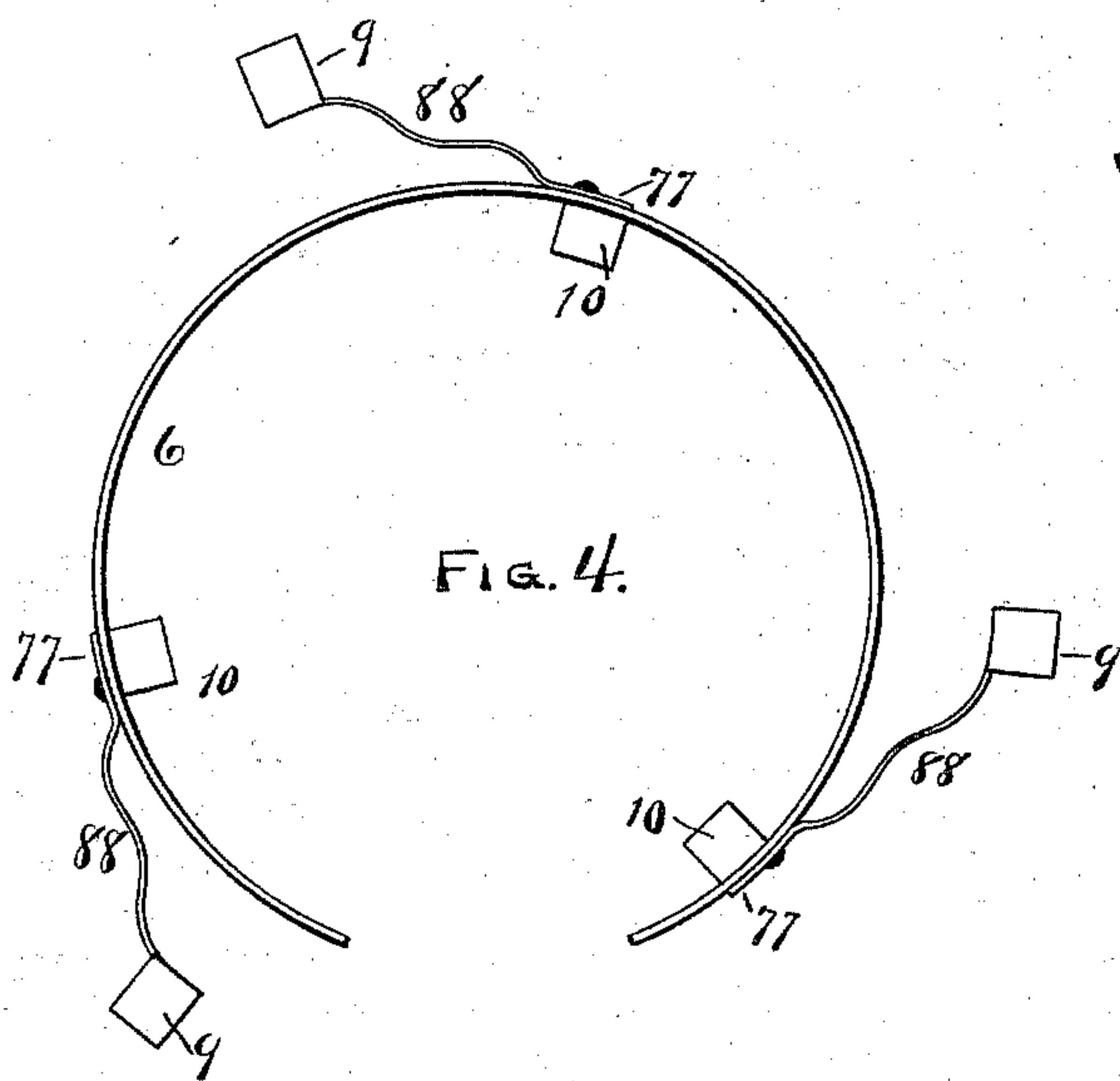
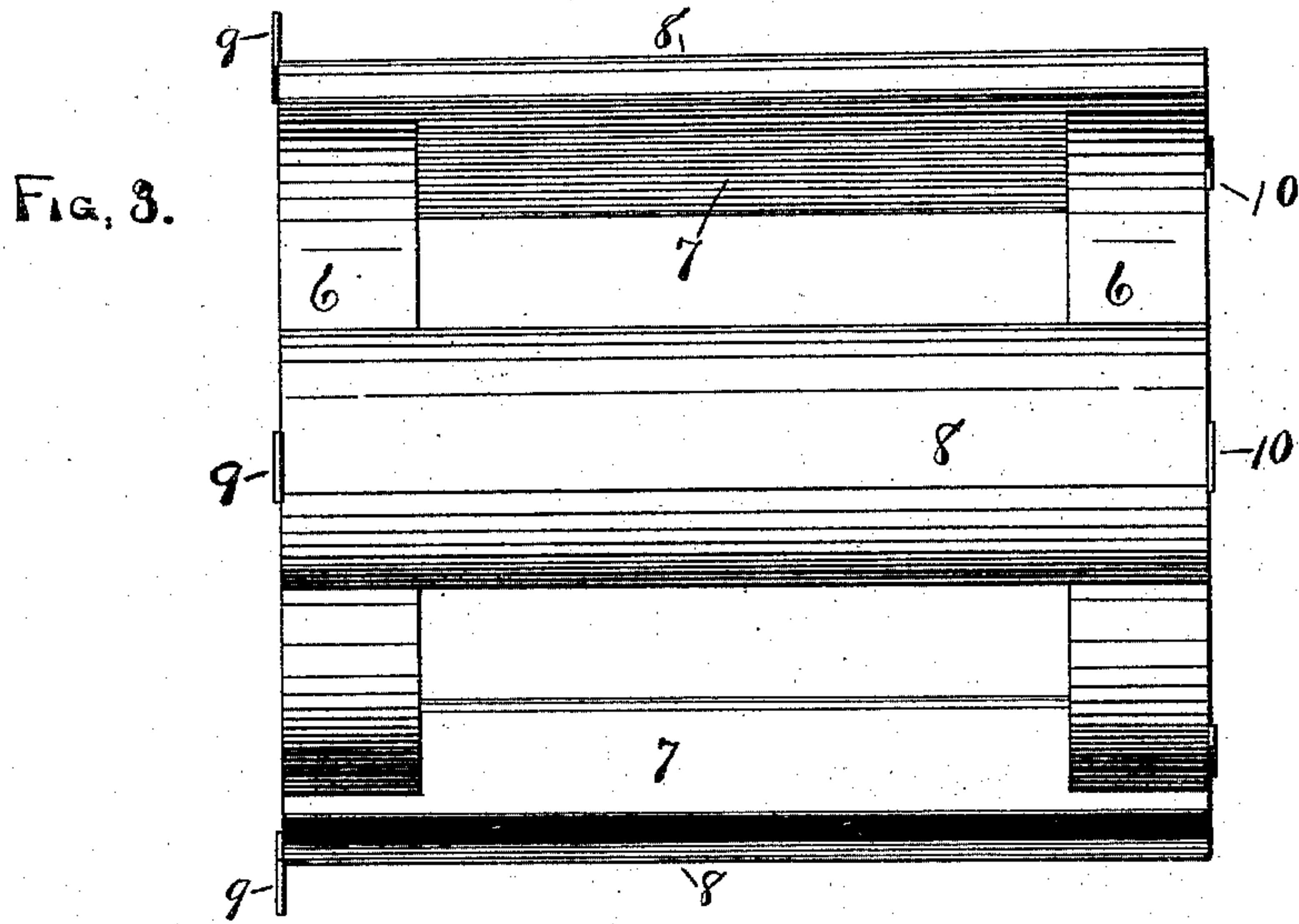
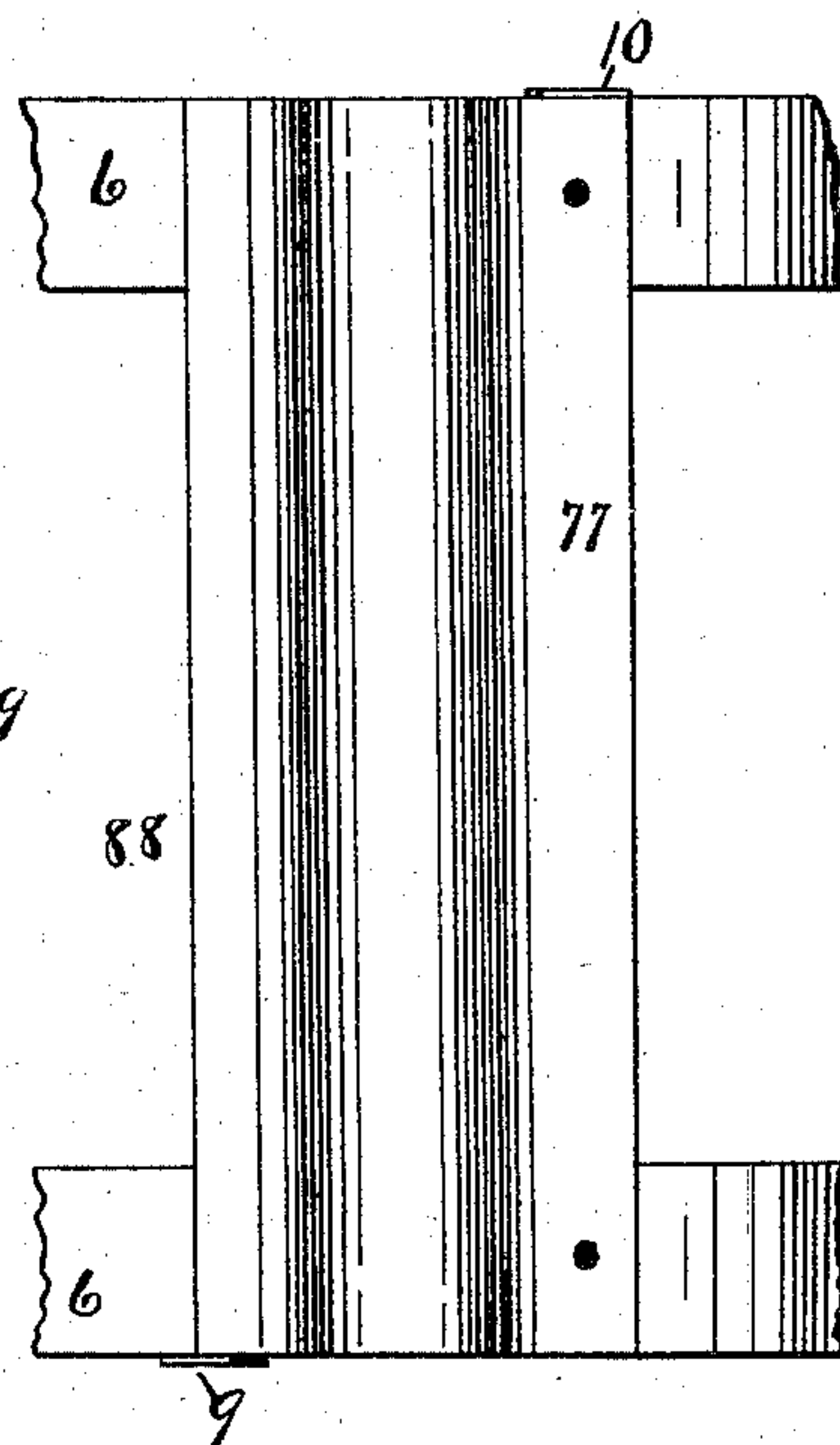


FIG. 5.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ERNEST F. NEUMANN, OF NEW BRITAIN, CONNECTICUT.

STOVEPIPE-THIMBLE.

SPECIFICATION forming part of Letters Patent No. 493,641, dated March 21, 1893.

Application filed December 8, 1892. Serial No. 454,482. (No model.)

To all whom it may concern:

Be it known that I, ERNEST F. NEUMANN, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Stovepipe-Thimbles, of which the following is a specification.

My invention relates to improvements in stove pipe thimbles and the objects of my improvements are simplicity and economy in construction and general efficiency in use.

In the accompanying drawings, Figure 1 is a front elevation of my stove pipe thimble together with a flue and stove-pipe, the latter being in section. Fig. 2 is a vertical section of the same on the line $x x$ of Fig. 1. Fig. 3 is a plan view of the thimble detached. Fig. 4 is a front elevation of a modified form of my thimble, and Fig. 5 is a plan view of a portion thereof.

I form my thimble of circumferential bands 6, longitudinal ribs 7 and springs 8 mounted on said ribs, either with or without stops 9 and 10 hereinafter described. The circumferential bands 6 are left free at their ends so that they may yield to fit a larger or smaller pipe. In the preferred form, I bend the springs 8 over from one edge of the ribs 7 as best shown in Fig. 1. The hoop or bands 6 are applied directly to the pipe A while the springs 8 bear at different points upon the inside of the flue B for holding the pipe A centrally therein, the bands themselves yielding to expand or contract for accommodating different sizes of pipe, while the springs 8 yield to correspond with the space between the pipe and the flue. If desired, stop lugs 10 may be secured to or formed upon one end of the ribs 7 and turned to project inwardly to form a stop for the end of the pipe to prevent it from being pushed in too far. I also prefer to form similar stop lugs 9 at the outer end of the thimble, the same being formed upon or secured to the

springs 8 as shown and serving to prevent the thimble from being pushed too far into the flue.

Instead of rolling over the edge of the metal to form the springs, the spring portion may if desired project from one edge of the rib 77 as shown by the springs 88 in Figs. 4 and 5, the construction otherwise being the same as hereinbefore described and the thimble operating in the same manner.

The modification which I have shown demonstrates that it is immaterial to my invention in what manner the springs are formed upon or secured to the ribs, provided the structure is composed of yielding circumferential bands, longitudinal ribs and springs projecting therefrom to operate as described.

By my improvement, I produce a simple and inexpensive article which is conveniently applied to different sizes of pipes and flues so as to hold the pipe centrally therein.

I claim as my invention—

1. The herein described stove pipe thimble, consisting of the yielding circumferential bands, longitudinal ribs and connected springs, substantially as described and for the purpose specified.

2. A stove pipe thimble consisting of the yielding circumferential bands, the longitudinal ribs, the springs connected therewith, and the stop lugs 9 at the outer ends of said springs, substantially as described and for the purpose specified.

3. A stove pipe thimble having the circumferential bands the longitudinal ribs secured thereto, and the inwardly projecting stop lugs 10 at the inner ends of said ribs, substantially as described and for the purpose specified.

ERNEST F. NEUMANN.

Witnesses:

JAMES SHEPARD,
EDWARD W. BUSH.