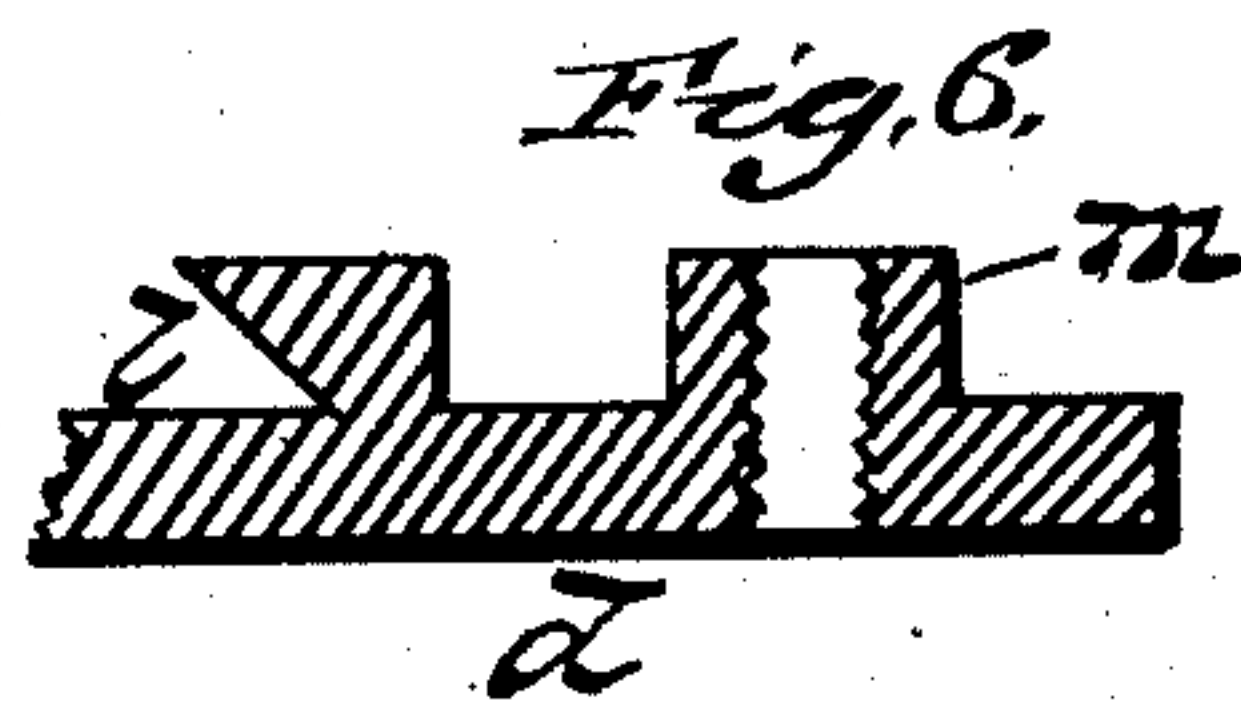
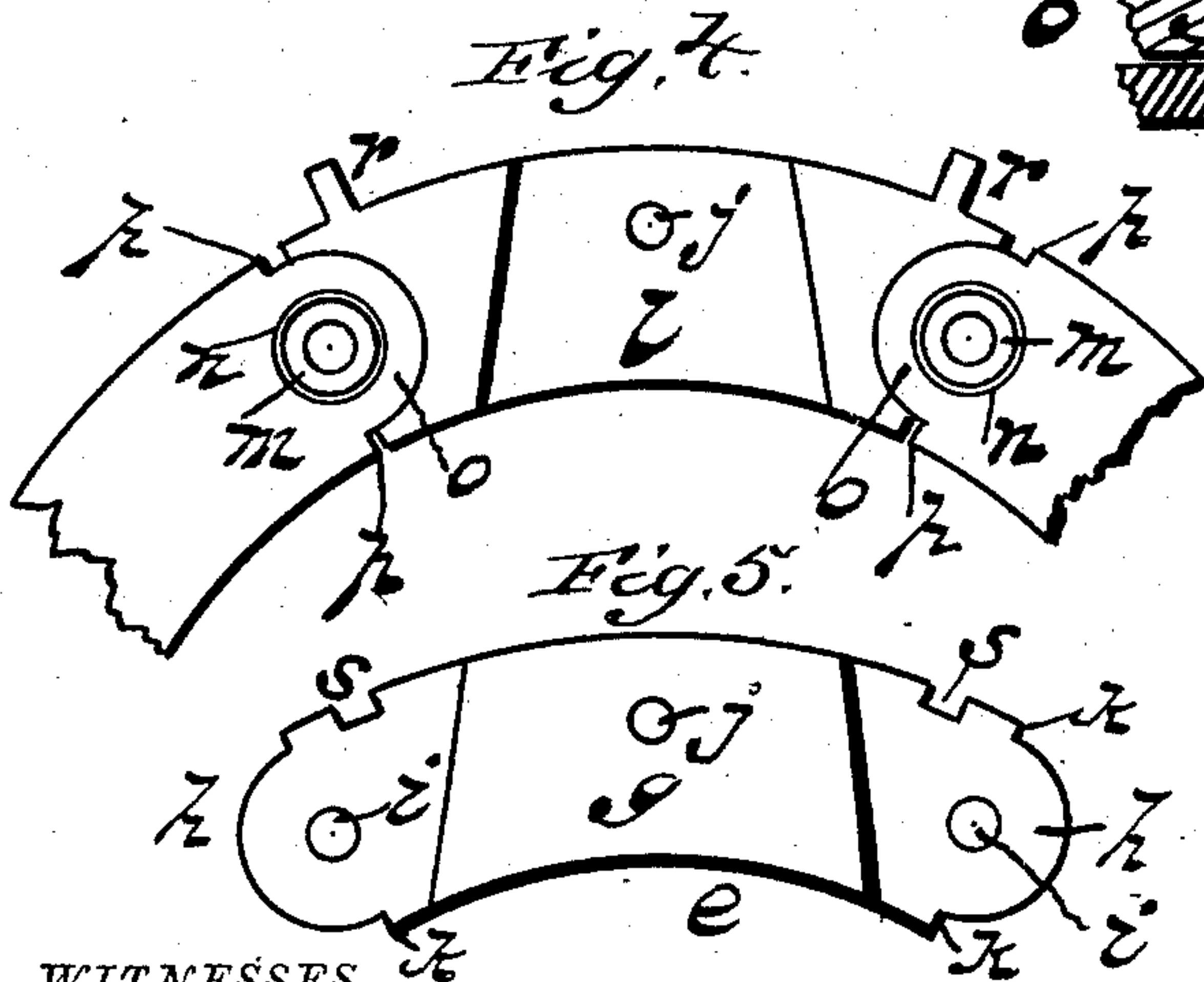
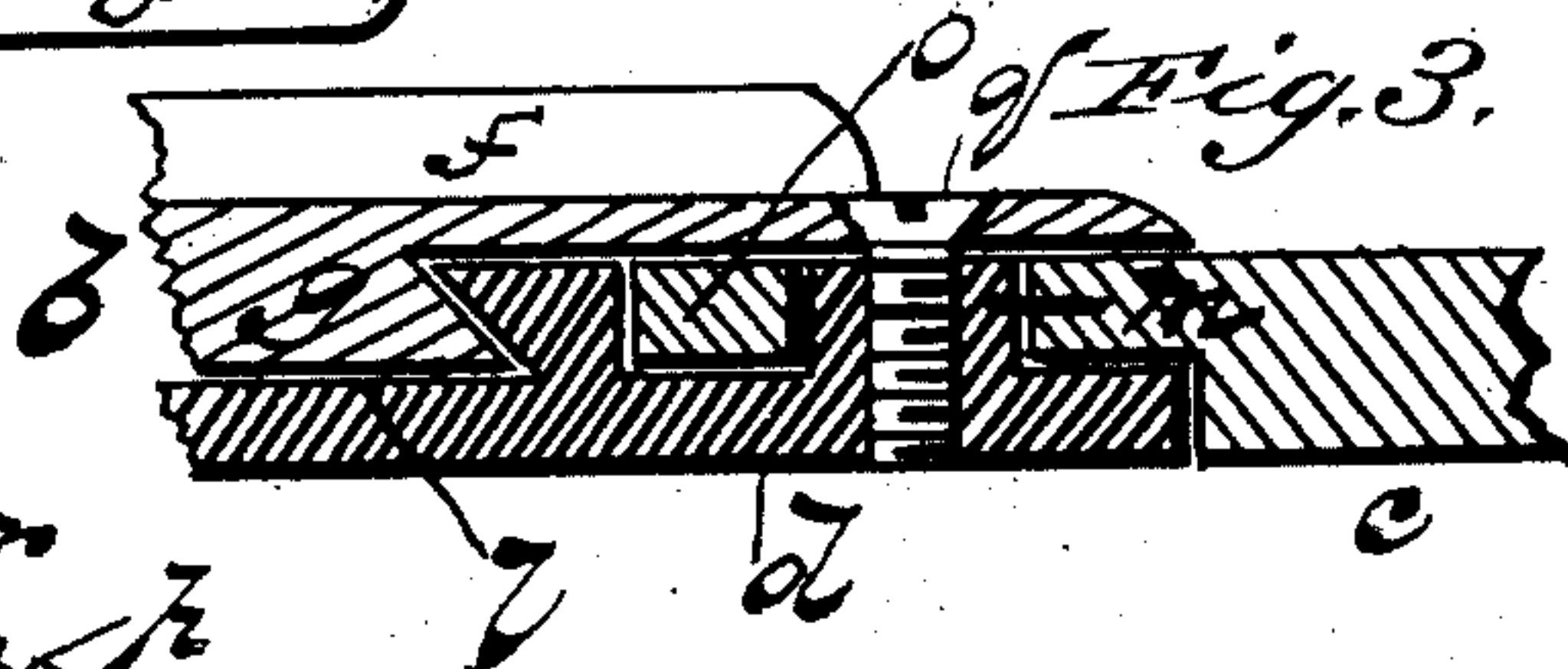
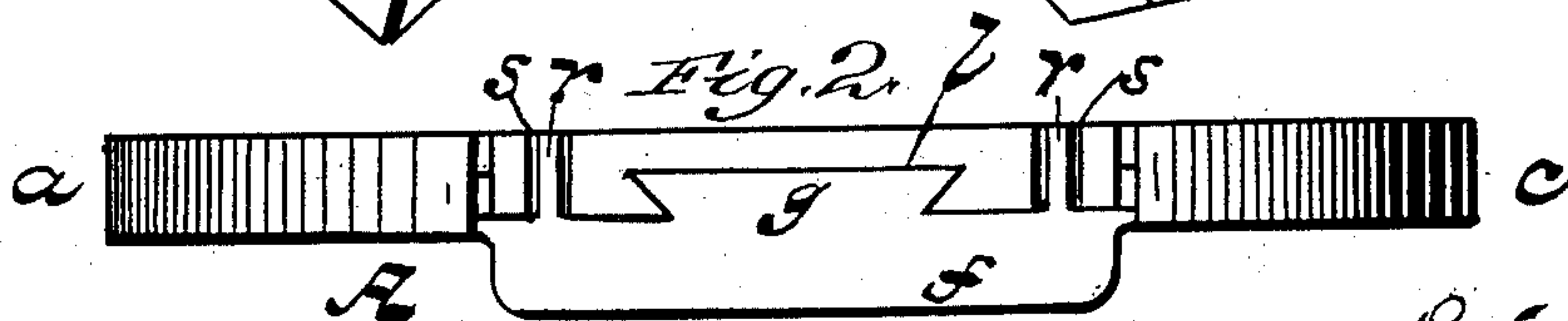
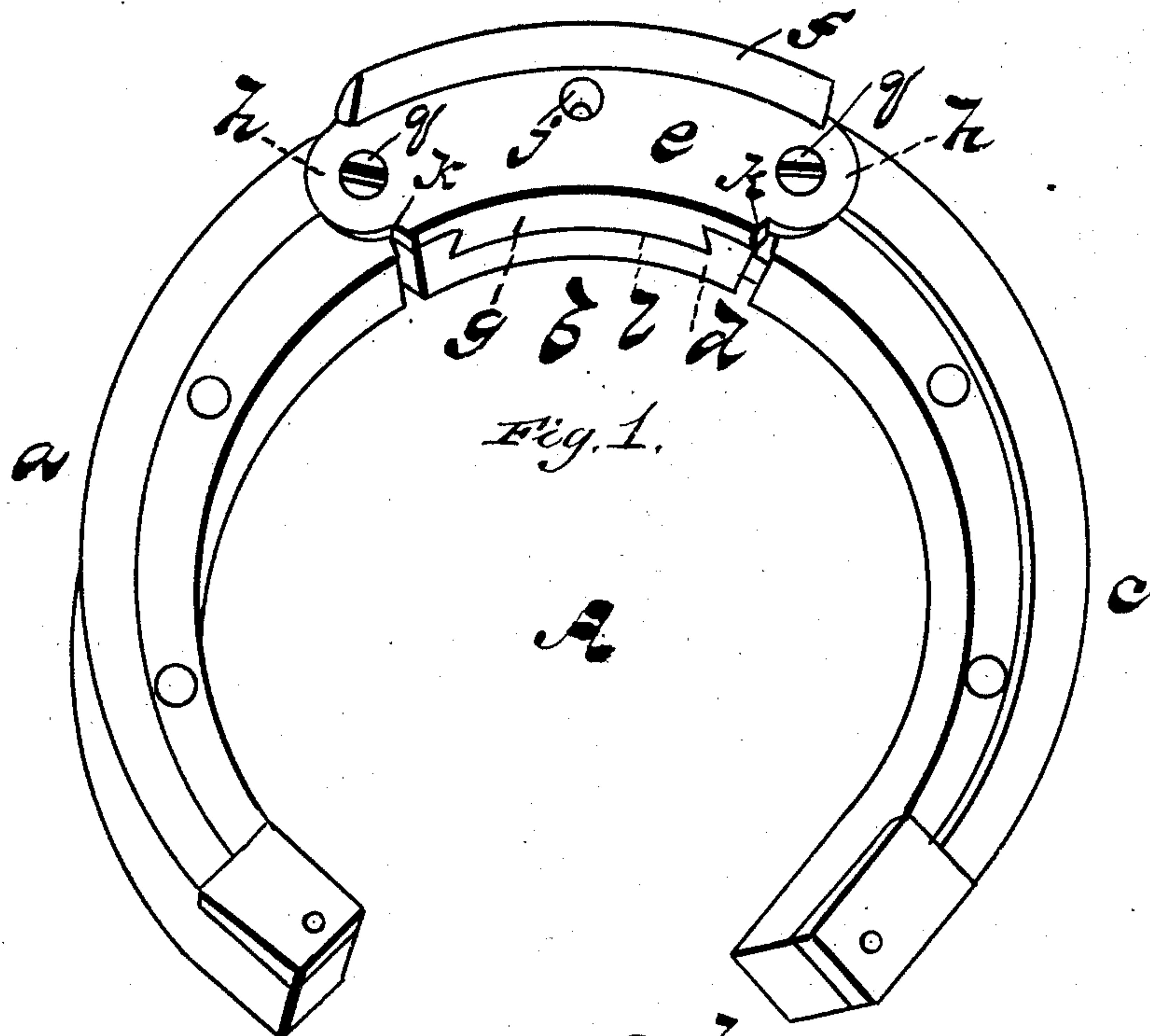


(No Model.)

J. CURTIN.  
SECTIONAL HORSESHOE.

No. 374,293.

Patented Dec. 6, 1887.



WITNESSES  
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Attorney



# UNITED STATES PATENT OFFICE.

JOHN CURTIN, OF ELK FALLS, KANSAS.

## SECTIONAL HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 374,293, dated December 6, 1887.

Application filed August 20, 1887. Serial No. 247,428. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN CURTIN, a citizen of the United States, residing at Elk Falls, in the county of Elk and State of Kansas, have  
5 invented certain new and useful Improvements in Horseshoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make  
10 and use the same.

My invention relates to improvements in horseshoes composed of sections; and it consists in the novel construction and arrangement of the toe-piece, which is interposed  
15 between the two side sections of the shoe, all as will be hereinafter fully explained, and particularly pointed out in the appended claims.

The annexed drawings, to which reference is made, fully illustrate my invention, in  
20 which—

Figure 1 represents a perspective view of my device. Fig. 2 is a front view of the same. Fig. 3 is a detail sectional view. Figs. 4, 5, and 6 are detail views.

25 Referring by letter to the accompanying drawings, A designates the horseshoe, consisting of three parts or sections *a*, *b*, and *c*. The toe portion or intermediate section, *b*, consists of an upper half, *d*, and a lower half, *e*,  
30 which is provided with the toe-calk *f*, a dovetailed tapering projection, *g*, semicircular ends *h*, having perforations *i*, and a central perforation, *j*, as well as end shoulders, *k*. The upper plate or section, *d*, has similar shoulders and semicircular ends, and is provided  
35 on its under side with a dovetailed tapering groove, *l*, the smallest end of said taper being at the forward end of the plate, which is also the case, with the corresponding dovetailed  
40 projection on the lower plate. The semicircular ends of the upper plate are provided with the raised central bearings, *m m*, which extend through the eyes *n n* in the semicircular end bearings, *o o*, of the side sections,  
45 which latter are also shouldered, as at *p p*, and the raised bearings aforesaid are vertically perforated, having female screw-threads designed to receive the male threads on the screw *q*, which latter secures the ends of the

two plates, while the raised projections *m m* form the pivotal bearing for the side sections.

It will be observed that I provide an intermediate or toe section to the shoe, which is in two parts and locked by the dovetailed mortise and tenon, while the pivotal bearing on  
55 the joints forms a strong connection for the parts and relieves the connecting screw from wear, and the toe-piece permits the shoe being repaired without taking the entire shoe from the horse's foot.

In connecting the parts the eye on the side section is placed over the raised bearing on the upper toe-plate, after which the under plate is placed in position, its dovetailed projection engaging the corresponding groove in  
65 the opposite plate, after which the screws are inserted and lock the parts. The perforations which are in the toe-piece are designed to receive a nail similar to the nails driven in the side pieces and into the horse's hoof, for securing the shoe thereto. It will be further seen  
70 that the lower plate is provided with projecting pins or lugs *r r*, and that the upper plate is provided with two notches, *s s*, which are arranged on the outer edge of each plate, and  
75 when the lower plate is in position the lugs are turned up into the notches and serve to keep the two plates in proper position and prevent lateral strain on the raised bearings  
80 to which the side sections of the shoe are pivoted, and a shoe constructed as herein described is durable, cheap to manufacture, as well as being easy to the horse's foot, as it permits the hoof to have its natural growth.

What I claim is—

85 1. In a three-part horseshoe, the intermediate or toe section consisting of the lower plate having the dovetailed tapering projection *g*, and semicircular ends having perforations *i*, and the upper half or section constructed with the dovetailed groove *l*, semicircular ends having the raised bearings adapted to engage the ends of the side sections and secured in place by the screws, as and for the purpose set forth.

95 2. In combination with the side sections, constructed as shown, the intermediate toe-sections formed of two sections connected by

the dovetailed joint, as set forth, and one of them having the raised bearing inwardly female screw-threaded, and the fastening-screw, as and for the purpose set forth.

- 5 3. In combination with the lower plate constructed as described, the upper section having the raised bearings female screw-threaded and the dovetailed groove and securing-screws, as and for the purpose set forth.

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

JOHN CURTIN.

Witnesses:

M. W. HENDERSON,  
B. F. TIBBEY.