

T. M. HART.

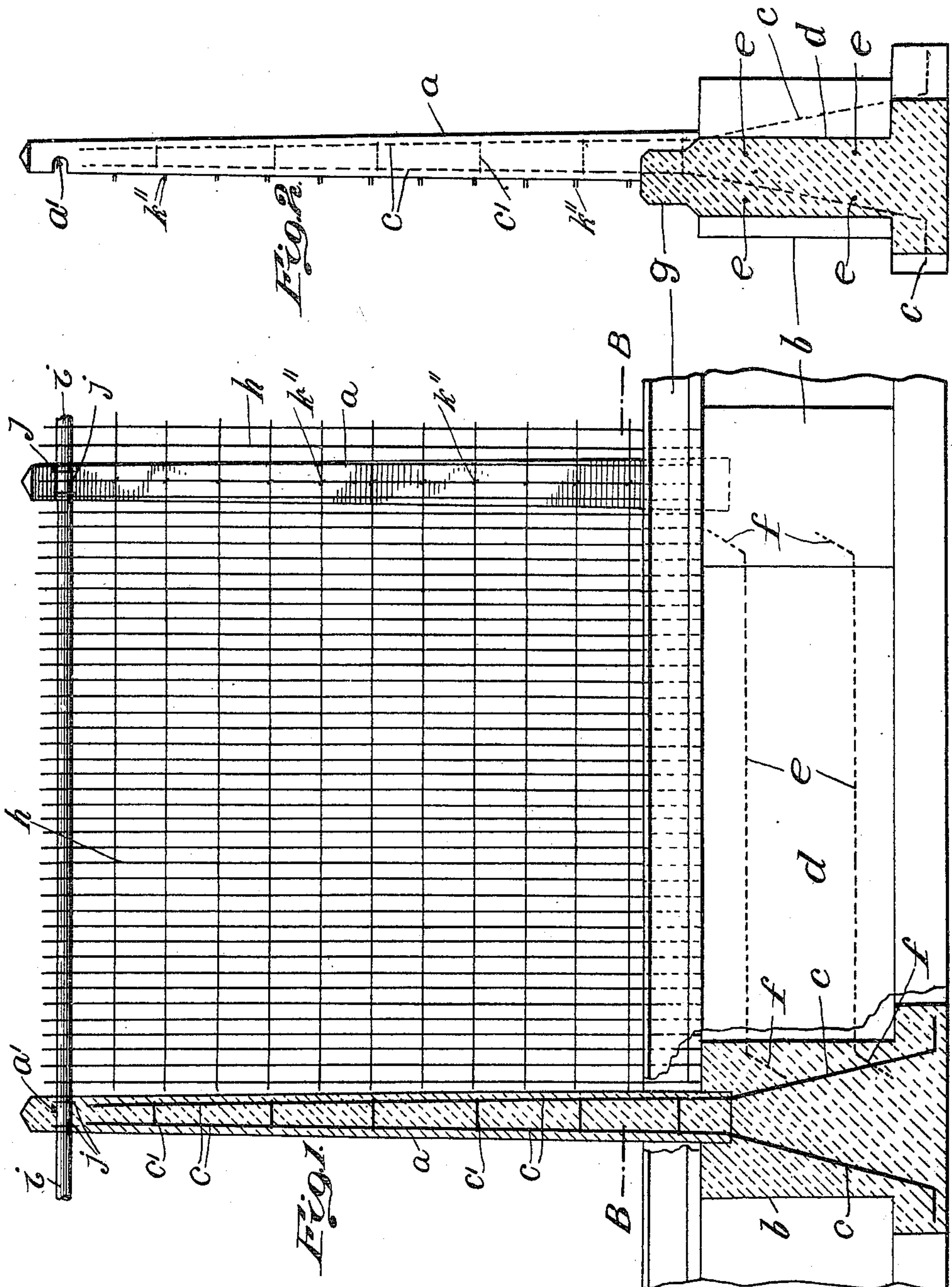
FENCE.

APPLICATION FILED JUNE 7, 1909.

964,470.

Patented July 12, 1910.

2 SHEETS—SHEET 1.



Witnesses:

Mr. Hamilton.
M. E. Campion

Thomas M. Hart Inventor

By his Attorney
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2 SHEETS—SHEET 2.

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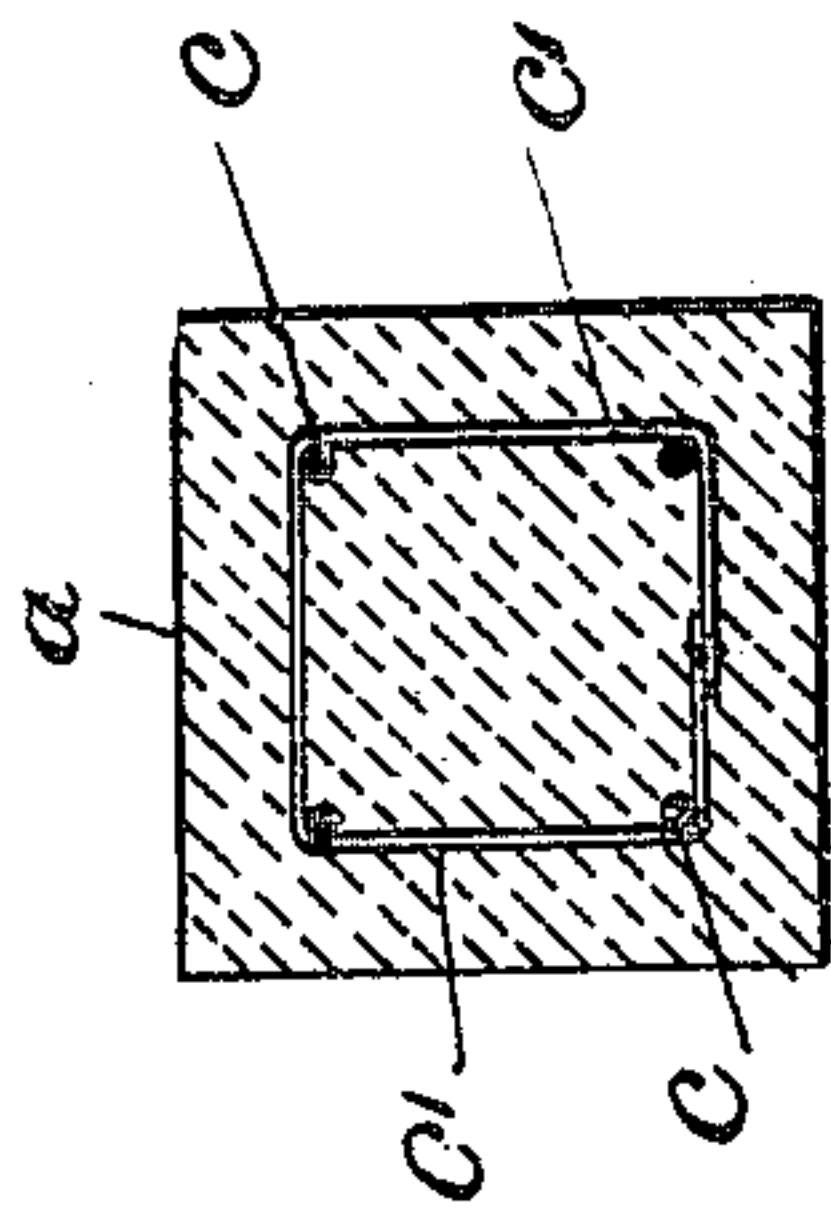


Fig. 4.

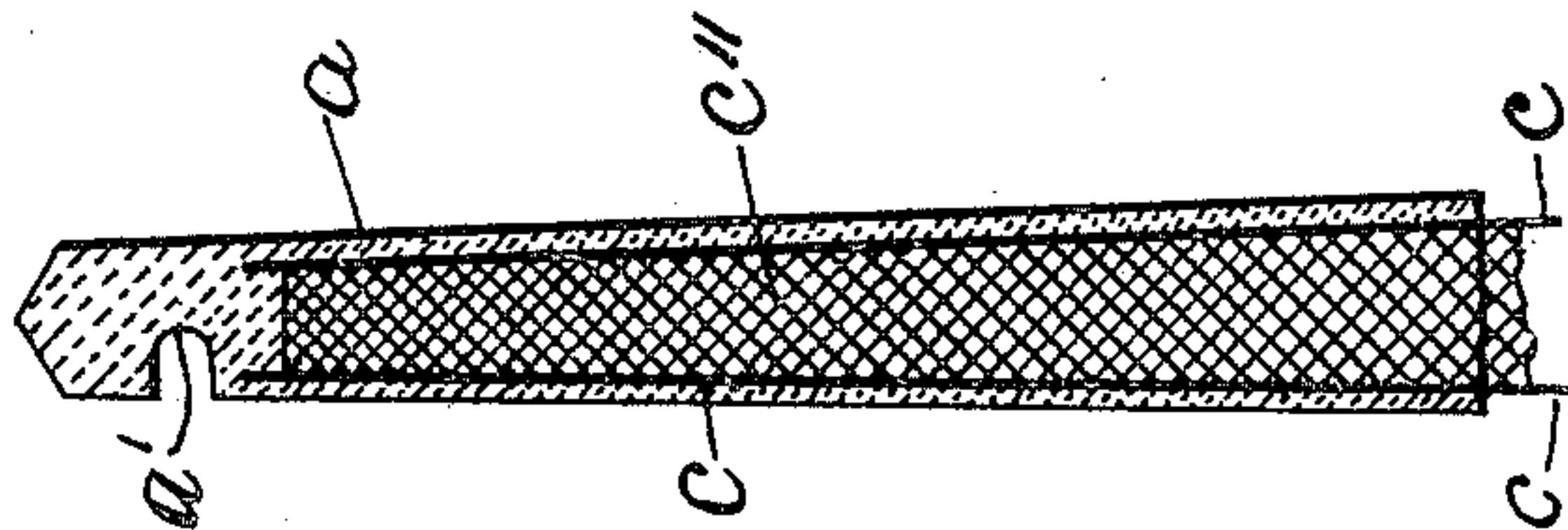


Fig. 7.

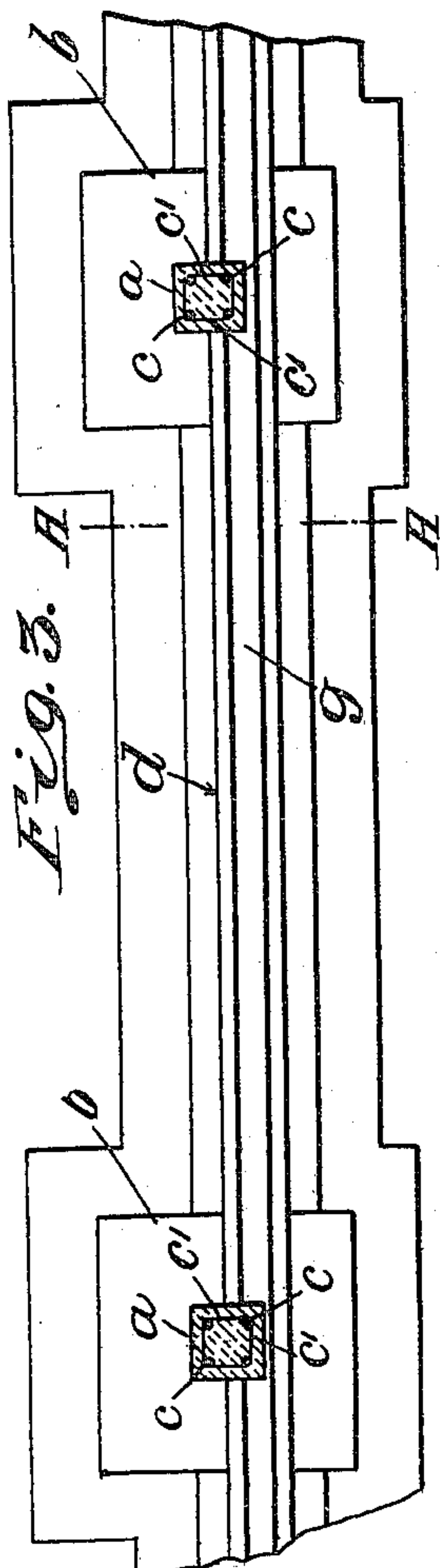


Fig. 3.

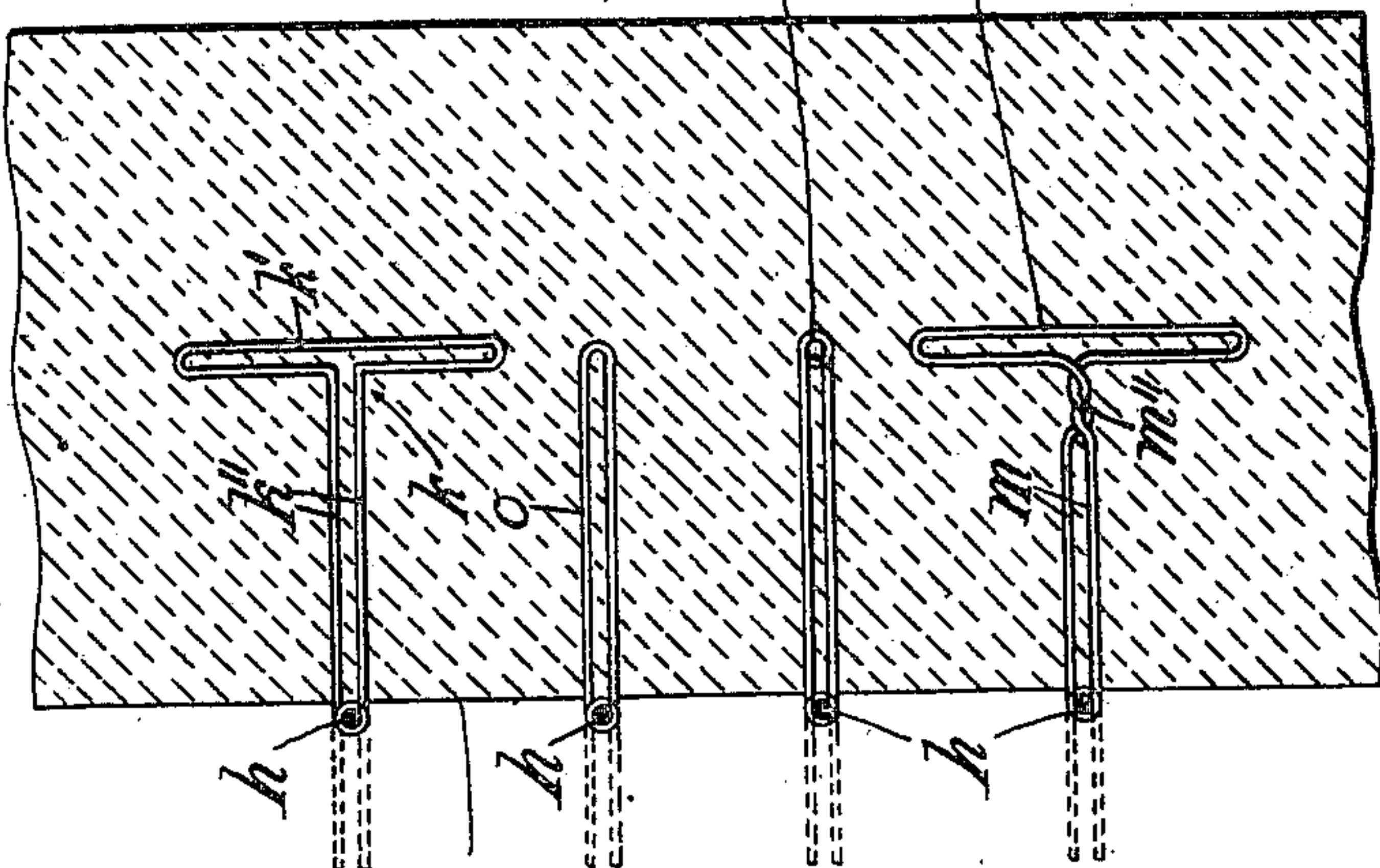


Fig. 6.

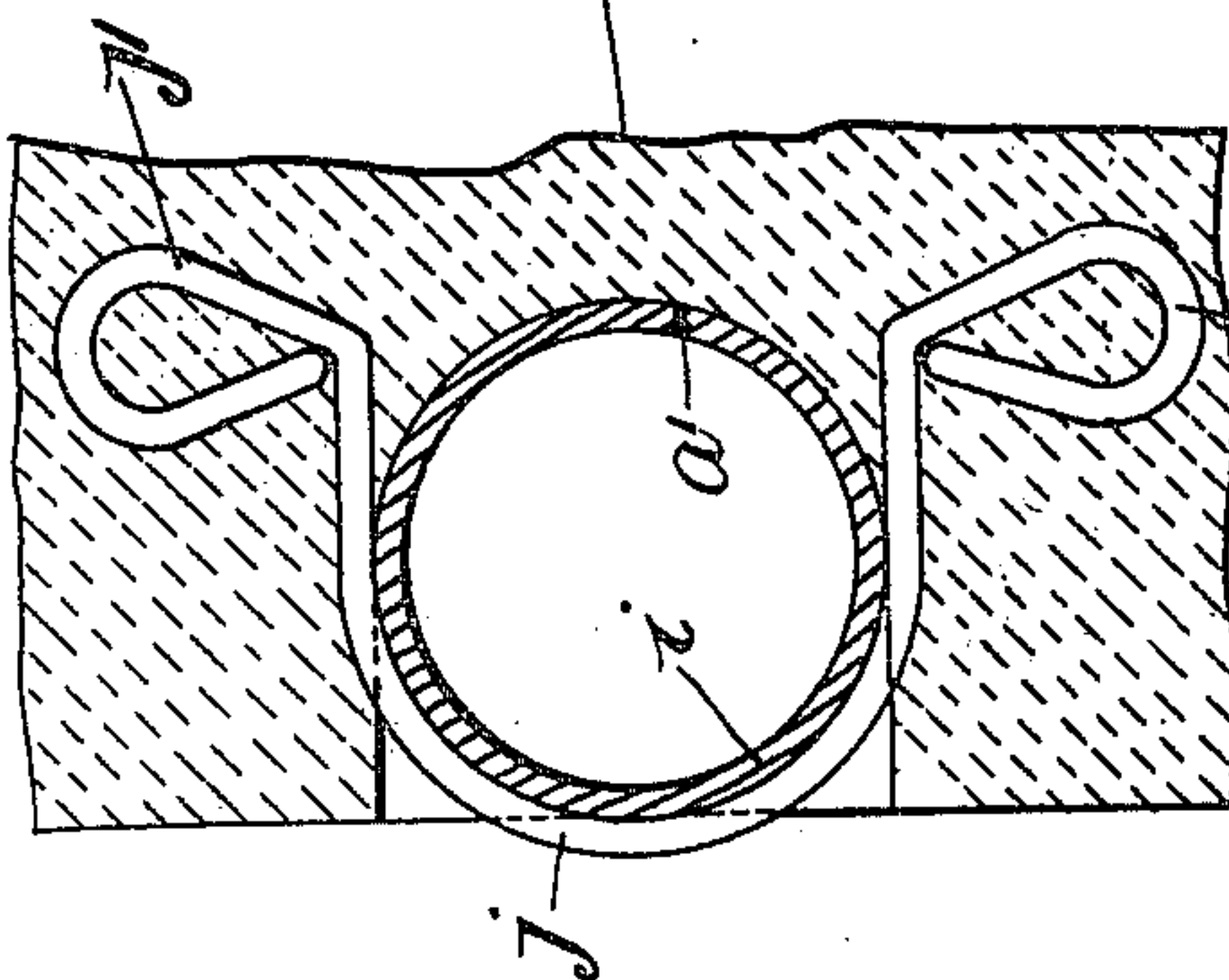


Fig. 5.

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UNITED STATES PATENT OFFICE.

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FENCE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS M. HART, a citizen of the United States, residing at New York city, in the county and State of New York, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in fences and particularly to improvements in fences made of cementitious material; and an object of my invention is to provide a fence which will be simple in construction, comparatively cheap in manufacture and efficient and durable in use.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 is a front elevation partly in section, of so much of a fence as is necessary to illustrate my invention; Fig. 2 is a section on the line A—A of Fig. 3; Fig. 3 is a section on the line B—B of Fig. 1; Fig. 4 is a horizontal section through the post; Fig. 5 is a sectional detail showing the means for retaining in place the pipe which forms the top rail; Fig. 6 is a detail showing various forms of wire-mesh retainers or binders; and Fig. 7 is a detail of a modified form of fence-post hereinafter referred to.

The post *a* is brought ready made to the place where the fence is to be constructed, and while held in position, the pier *b* of cementitious material is built below it and around its base or foot, so that the base or foot of the post extends into the pier such a distance as will give the post sufficient stability. Extending lengthwise through the post are four reinforcing rods *c*; and these rods project below the base of the post and extend into the pier so as to anchor the post solidly in the pier. Between the piers is built a panel *d* which is formed of cementitious material and is substantially integral with the piers. The panel *d* is bound by the tie-rods *e* (of which there are four) to the piers at its ends. As is shown in Fig. 1, the ends *f* of the tie-rods *e* are bent, where they enter the piers *b*. Above the panel *d* is laid a coping *g* in which the lower or bottom edge portion of the wire-mesh *h* is embedded.

The top of each post *a* is formed with a recess *a'* in which is laid a pipe *i*. The latter is held in place by means of a retainer or

binder *j* the heads *j'* of which are looped and are anchored in the cementitious material of which the post *a* is made. The wire-mesh is held in place by binders, several forms of which are shown in Fig. 6. The binder or retainer *k* is formed with a looped-head *k'* from which extends the legs or shanks *k''*, the ends of which are bent and twisted around the wire-mesh *h* so as to retain the latter in place. The retainer *m* is similar to the retainer *k* but is formed with a twisted stem *m''* near its looped-head *m'*. The loops *k'*, *m'* of the retainers *k*, *m* are elongated, while the loop *n'* of the retainer *n* is circular. The retainer *o* is formed without a loop at its head, being merely a piece of wire bent near its mid-portion. The reinforcing-rods *c* are tied by means of the tie-wire *c'* (Fig. 4).

In Fig. 7 a modified form is shown in which, in order to give great strength, a wire mesh *c''* is wrapped around the reinforcing-rods *c*.

I claim:

1. A wire fence consisting of piers; fence-posts of cementitious material mounted in said piers and provided with rods which extend through them into said piers; a coping of cementitious material which extends from one to the other of said piers; and a wire-mesh which is supported by said fence-posts and the bottom edge-portion of which extends into said coping.

2. A wire fence consisting of piers; fence-posts mounted thereon and provided with reinforcing rods which extend through them into said piers to reinforce said fence-posts and anchor the same upon said piers; panels mounted between said piers and provided with tie-rods which tie the latter to said panels; a coping mounted above said panels; and a wire-mesh which is supported by said fence-posts and the bottom edge-portion of which extends into said coping.

3. A wire fence consisting of fence-posts; a coping of cementitious material which extends between the base ends of said fence-posts and lengthwise of the fence; and a wire-mesh which is fastened to said fence-posts and the lower edge portion of which is anchored in said cementitious coping.

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