

1,167,031.

S. B. ULLRICH.
DISPLAY STAND.
APPLICATION FILED DEC. 3, 1913.

Patented Jan. 4, 1916.
2 SHEETS—SHEET 1.

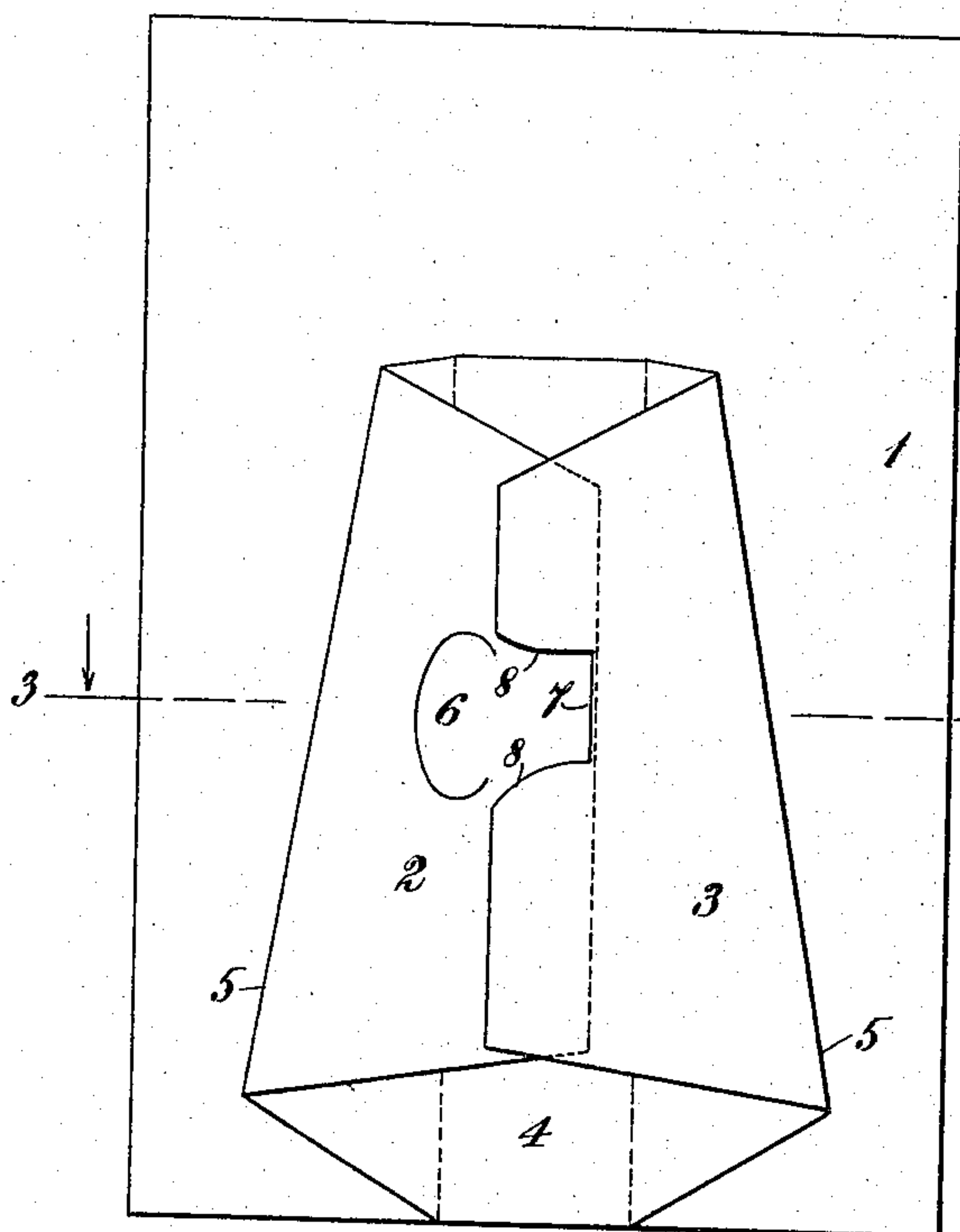


Fig. 1.

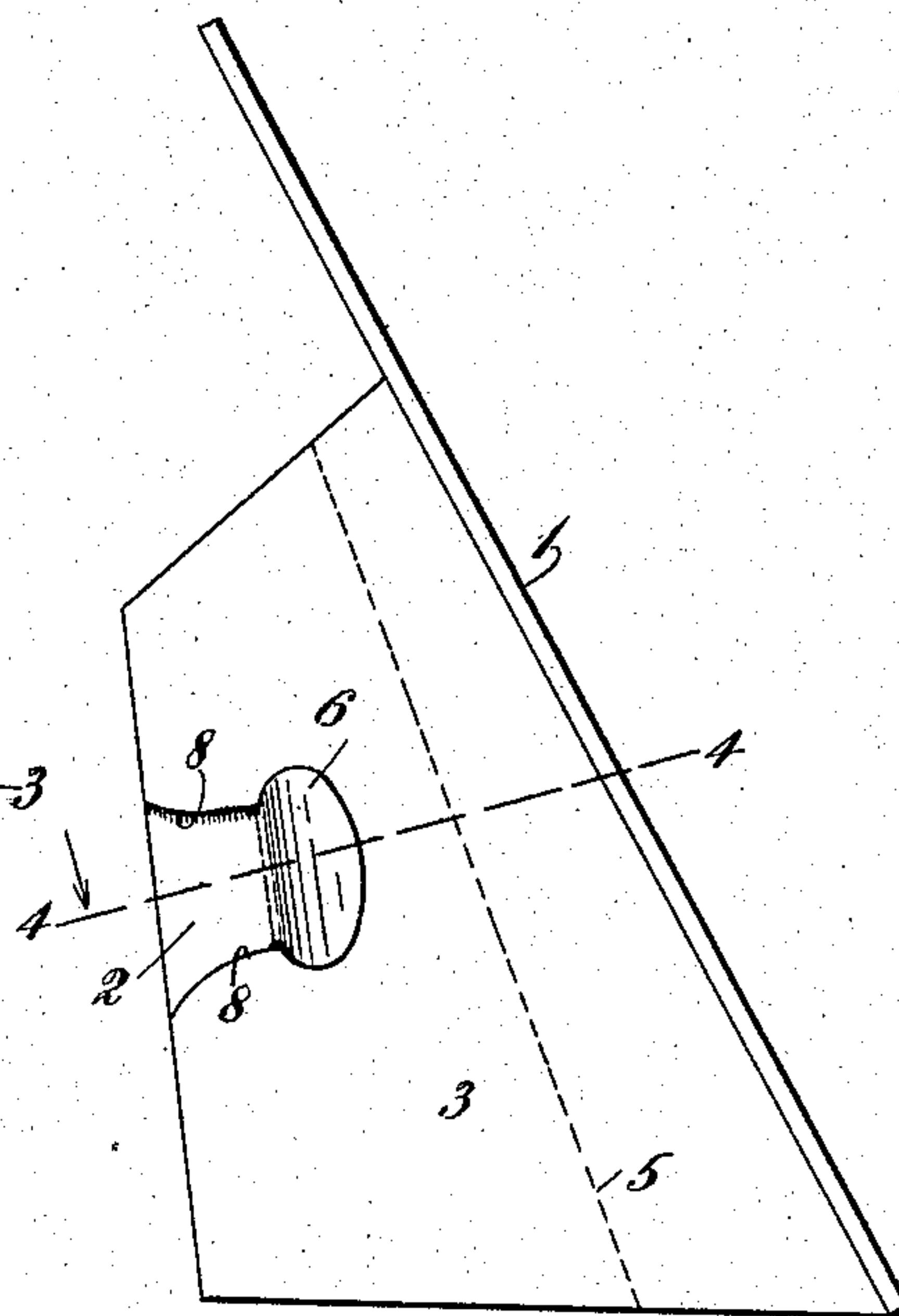


Fig. 2.

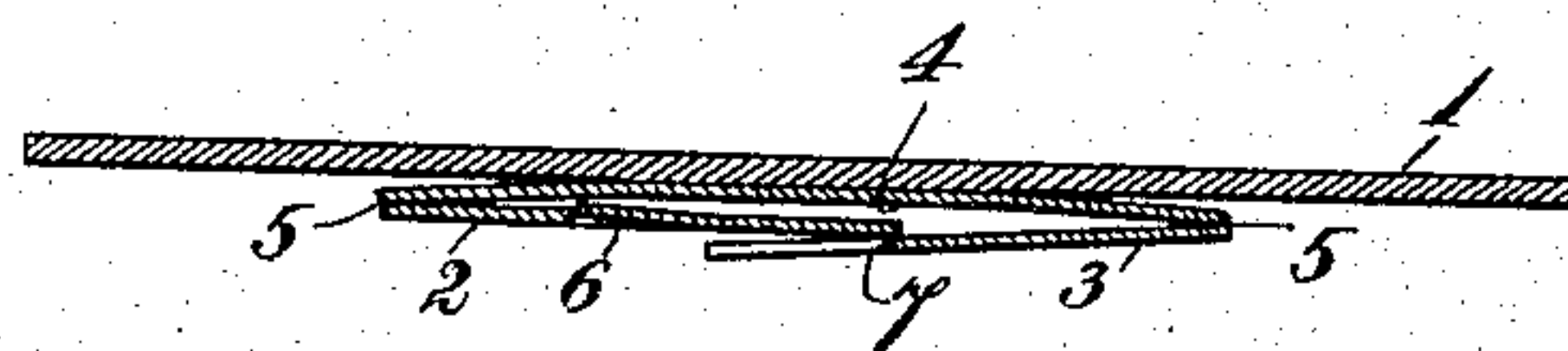


Fig. 3.

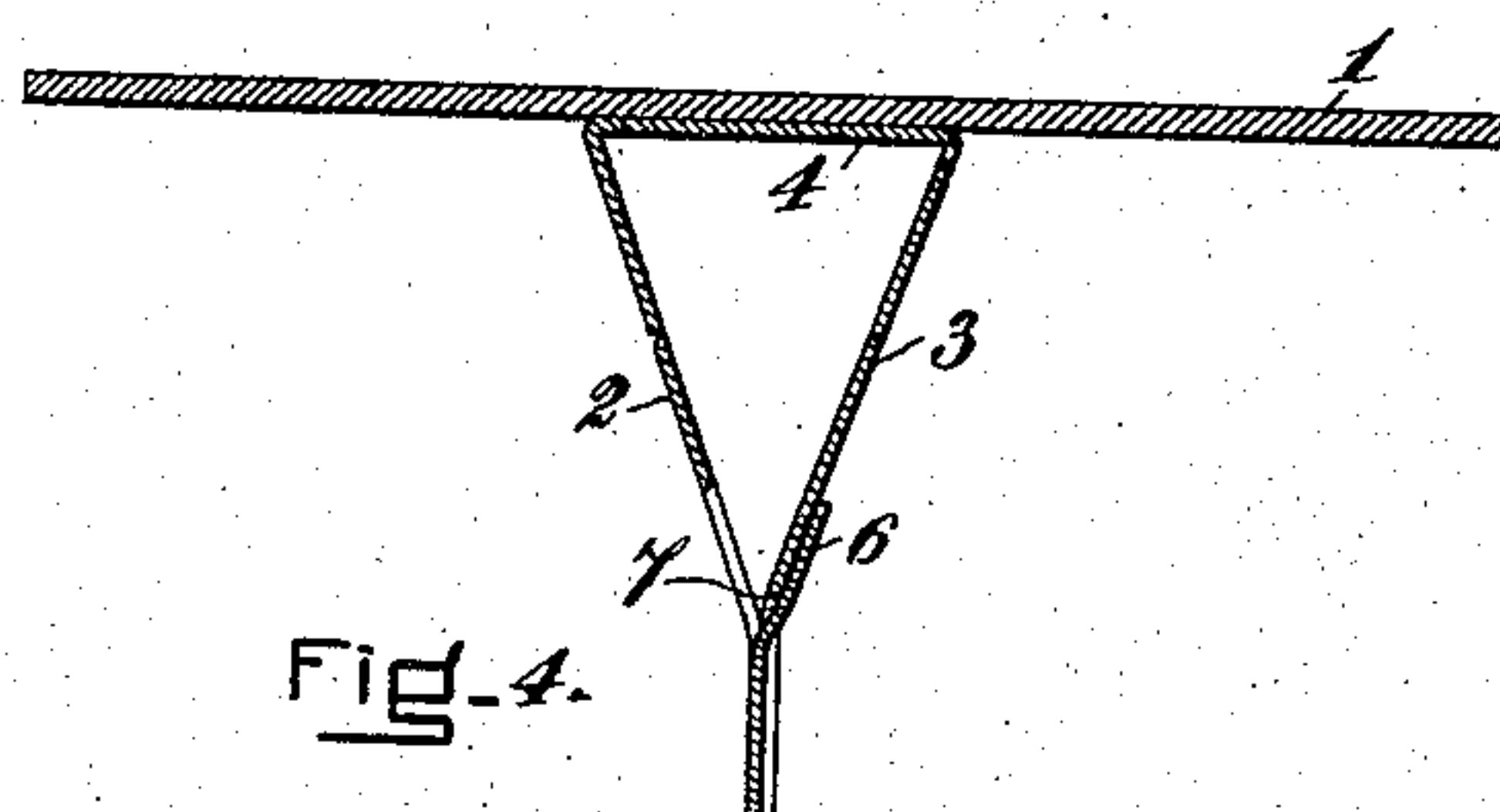


Fig. 4.

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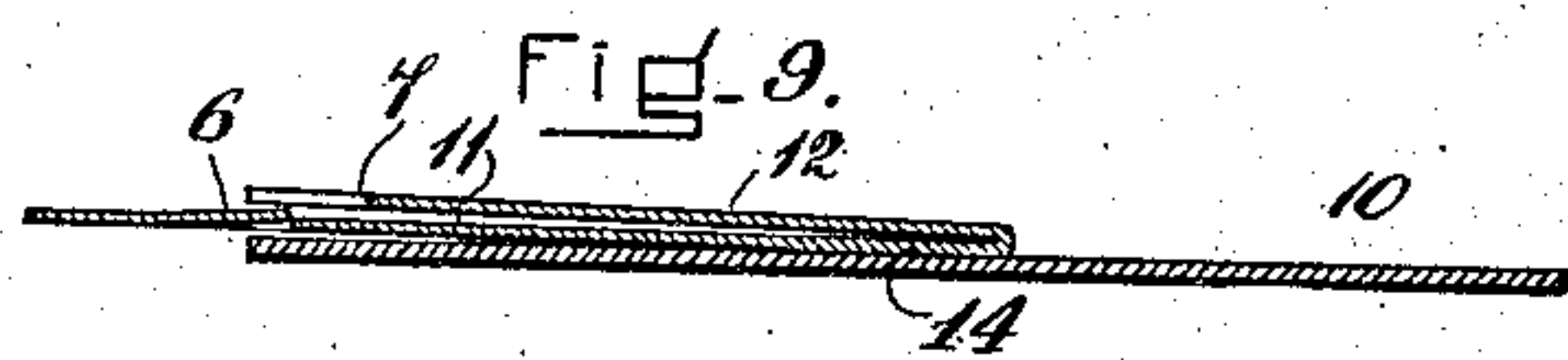
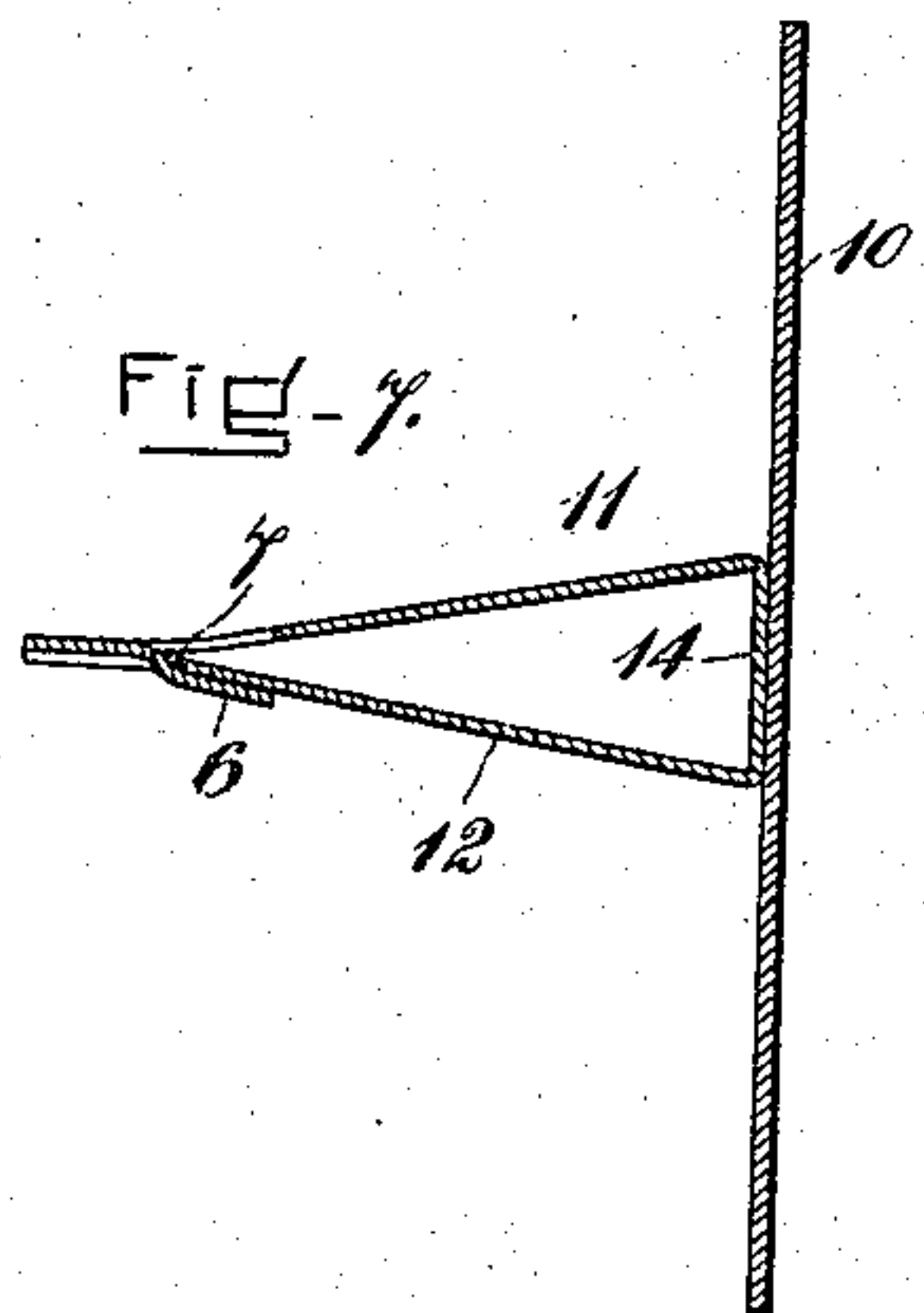
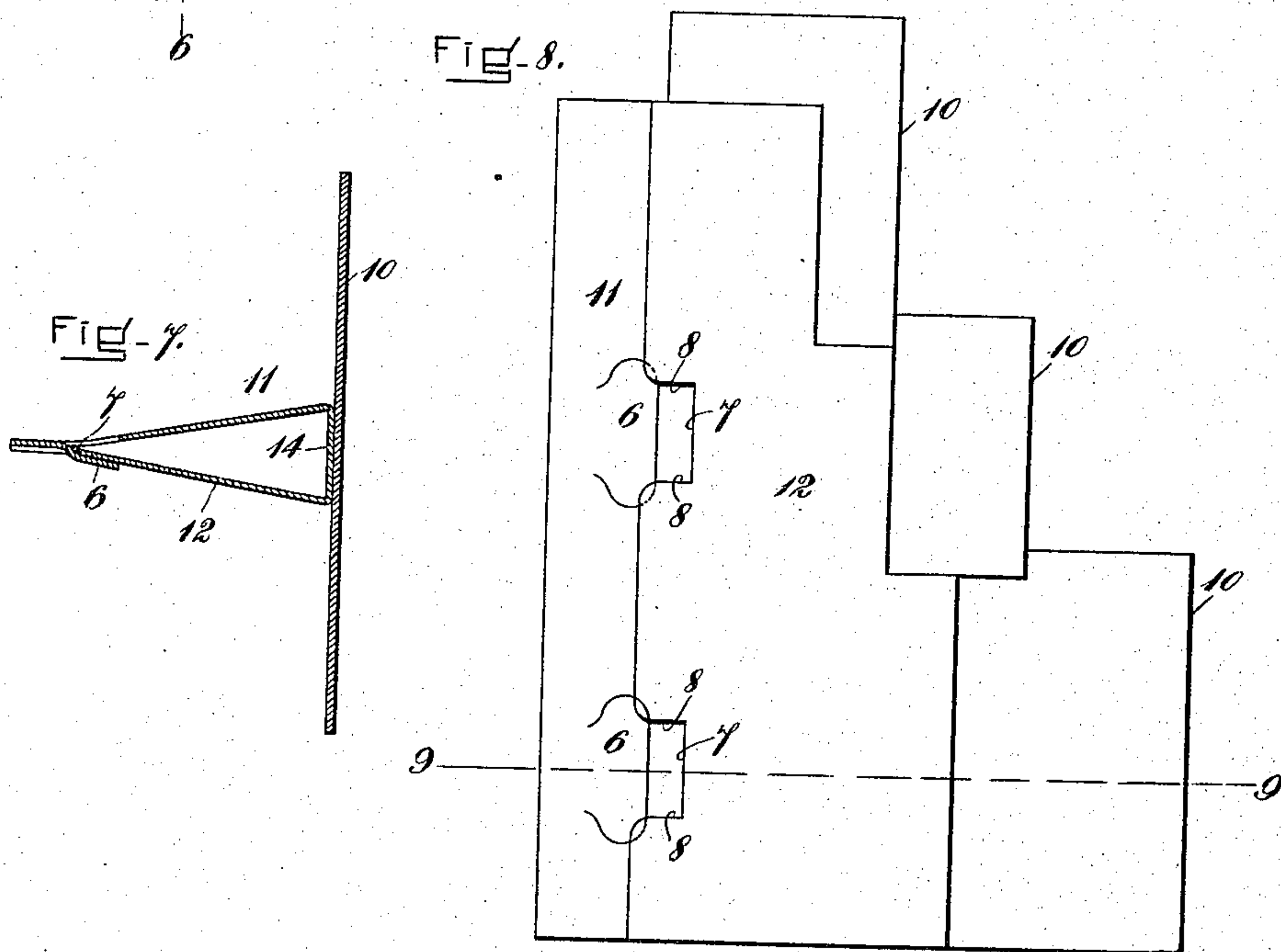
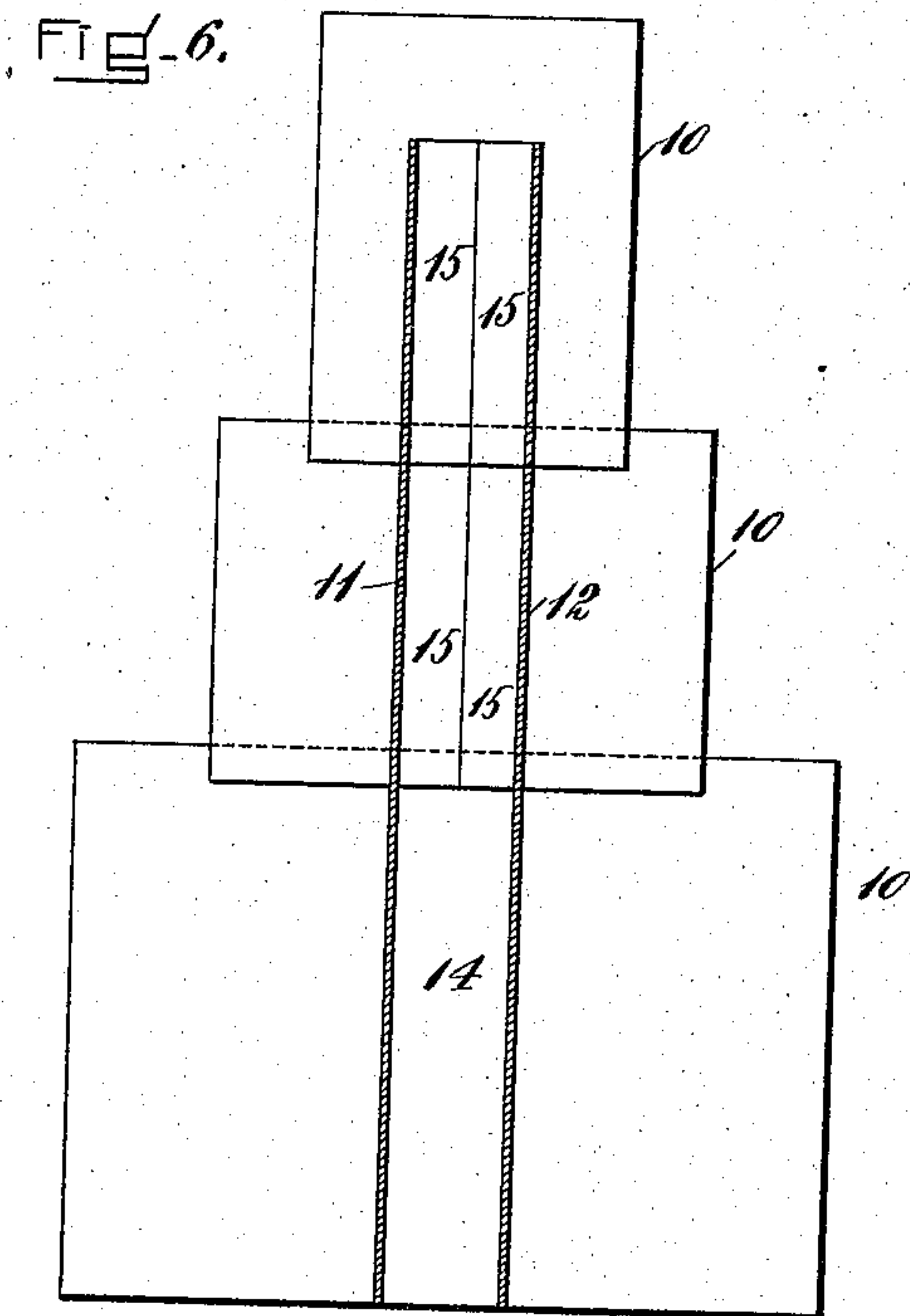
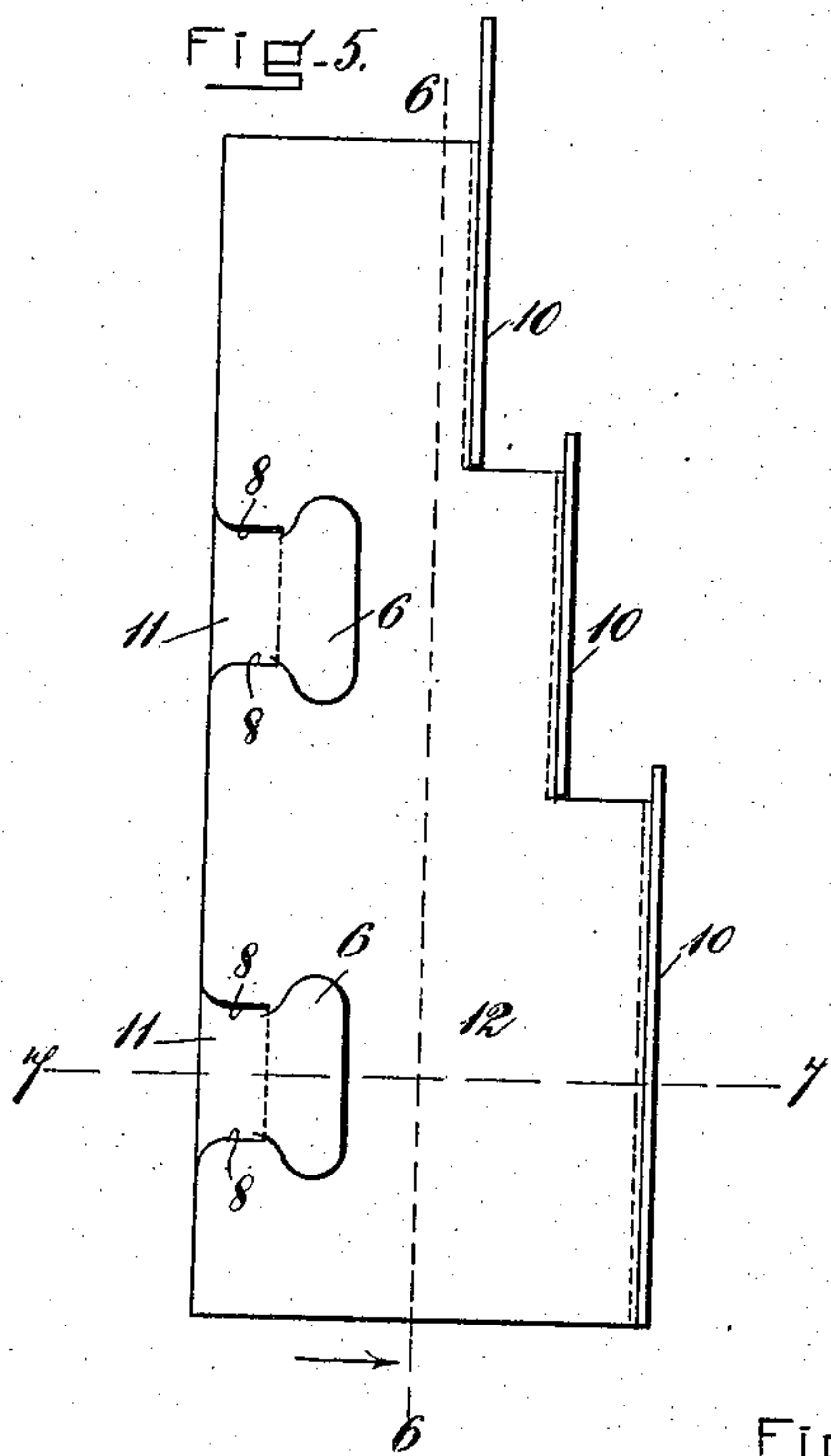
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

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DISPLAY-STAND.

1,167,031.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed December 3, 1913. Serial No. 804,348.

To all whom it may concern:

Be it known that I, SIMON B. ULLRICH, of Malden, in the county of Middlesex and State of Massachusetts, a citizen of the United States, have invented a new and useful Improvement in Display-Stands, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

My invention relates to an improvement in display stands or easels of that extensible and collapsible type used for advertising purposes.

More essentially my invention relates to that type of display stand having a display front supported by collapsible and extensible back supporting members, the special object of my invention being to provide improved means for combining or uniting these members by which the extended position thereof and of the stand will be defined and releasably maintained when the members are moved to occupy such position.

My invention can best be seen and understood by reference to the drawings in which the invention is shown applied to different types of display stands for the purpose of illustrating the adaptability thereof and in which—

Figure 1 is a plan of a display stand having a display front or mounting occupying a single plane, the stand being shown in a collapsed position. Fig. 2 is a side elevation of the stand when occupying an extended position. Fig. 3 is a section on the line 3—3 of Fig. 1. Fig. 4 is a section on the line 4—4 of Fig. 2. Fig. 5 is a side elevation of a display stand of a modified type or one presenting a stepped display front or mountings occupying different planes. Fig. 6 is a rear elevation thereof taken on the line 6—6 of Fig. 5. Fig. 7 is a section on the line 7—7 of Fig. 5. Fig. 8 is a plan of the stand shown in Fig. 5 when occupying a collapsed position. Fig. 9 is a section on the line 9—9 of Fig. 8.

Referring to the drawings:—In Figs. 1 to 4, inclusive, 1 represents the display front or mounting on which the advertising matter is displayed and which occupies a single plane, the display stand or easel, in other words, being one of the most simple type. The front 1 is supported by collapsible and extensible supporting members or pieces 2

and 3, respectively. The adaptability of these members is such that they may occupy an extended position as shown in Figs. 2 and 4 when they are operating to support the front or may be turned with relation to the front to overlap one another and occupy a collapsed position substantially parallel with the front as shown in Figs. 1 and 3. Combination is effected between the front and its supporting members 2 and 3 by means of a piece 4 connecting the forward edges of the respective members and to which the front is pasted or otherwise secured. The members 2 and 3 have flexible connection with the connecting piece 4 so that they may turn with relation thereto and to the front as aforesaid. I prefer as shown that the members 2, 3 and connecting piece 4 be struck from a single sheet of material and that the flexible connection between the parts be obtained simply by scoring the material. I prefer, also, that each of the members 2 and 3 be so scored that they may be bent along lines 5 in order that the members may be folded to overlap one another when collapsed substantially as shown in Fig. 1, thus occupying a limited space when folded. Struck from the member 2 of the respective supporting members is an inwardly extending tongue 6. This tongue is struck from the member 2 at a point inwardly removed from its outer edge and has such lateral yielding that the member 3 may be slipped in back of the tongue to be retained by it when the members are moved to occupy their extended position.

In order that the member 3 may properly cooperate with the tongue to be retained by it, a slot is cut in the edge of this member, the slot being defined by an inward edge 7 and side edges 8, 8, respectively. The disposition of these edges is otherwise such that as the respective members are moved to assume an extended position the edge 7 of the member 3 will draw beneath the tongue, the respective edges 8, 8 thereof slipping by the sides of the under side of the tongue until the edge 7 engages the tongue, which defines the full and proper extended position of the respective members. At this time the tongue will frictionally bear against that portion of the member 3 just forward of the edge 7 thereof, which bearing of the tongue operates to maintain the members in their extended position,

while the bearing of the edges 8, 8 against the sides of the tongue assists in such retention.

In Figs. 5 to 9, inclusive, a modified structure of display stand or easel is shown, or that of the stepped type, in which a plurality of display fronts or mountings are employed superposed one above another and occupying different planes. In these figures 10 represents the several display fronts or mountings. These fronts are supported by collapsible and extensible supporting members 11 and 12, respectively. The adaptability of these members is such that they may occupy an extended position when the display stand is in its extended or display form, substantially as shown in Figs. 5 and 7, or may be turned to overlap one another and occupy a collapsed position, substantially as shown in Figs. 8 and 9, where it will be observed that the respective supporting members and display fronts or mountings supported thereby lie flat substantially parallel with one another. Combination is effected between the mountings 10 and their supporting members 11 and 12 in the following manner: The front edges of the supporting members 11 and 12 are made stepped, imparting a gradually receding effect. That portion of the front edges of the respective members lying below the first step is connected by a piece 14, the same being preferably integral with the members 11 and 12, and to this piece 14 the lower one of the mountings 10 is secured either by pasting or otherwise. The other mountings are secured to the front edges of the members 11 and 12 between the respective steps, which retention is preferably obtained by pasting or otherwise securing the mountings to flange pieces 15 which extend inwardly from the inner edges of the respective members lying between the steps. In order that the supporting members 11 and 12 may have easy collapsibility with relation to the respective mountings, the members are suitably scored at the points of the various joints.

The structure thus far described in Figs. 5 to 9, inclusive, is well known to those skilled in the art and may be varied in various details of construction. The essential point to which I desire to call attention is that a display stand or easel of the stepped type, or one formed substantially as described above, may be maintained in a proper extended position in precisely the same manner as the easel first described, for it will be observed that the member 11 is provided with tongues 6 with which the other supporting member 12 is adapted to cooperate as the members are moved to occupy an extended position and by which tongue or tongues the full and proper extended position of the respective members is defined and releasably maintained until the stand or easel is collapsed.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States:—

A display stand having a display front, supporting members carried thereby and movable to occupy a rearwardly extending upright position angularly disposed with relation to one another and meeting along their rear edge portions, or a collapsed position with relation to one another and to said front, one of said members having a laterally - yielding, inwardly - extending tongue struck therefrom at a point inwardly removed from the rear edge of said member, the other of said members having in it a slot with inward and side edges, said slot being so located that when the members are occupying their extended upright position the tongue will bear frictionally against the outer side of the slotted member forward of the slot in it, the inward edge of the slot will bear against the under side of the tongue and the side edges of the slot against the respective sides of the tongue, substantially as described.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."