

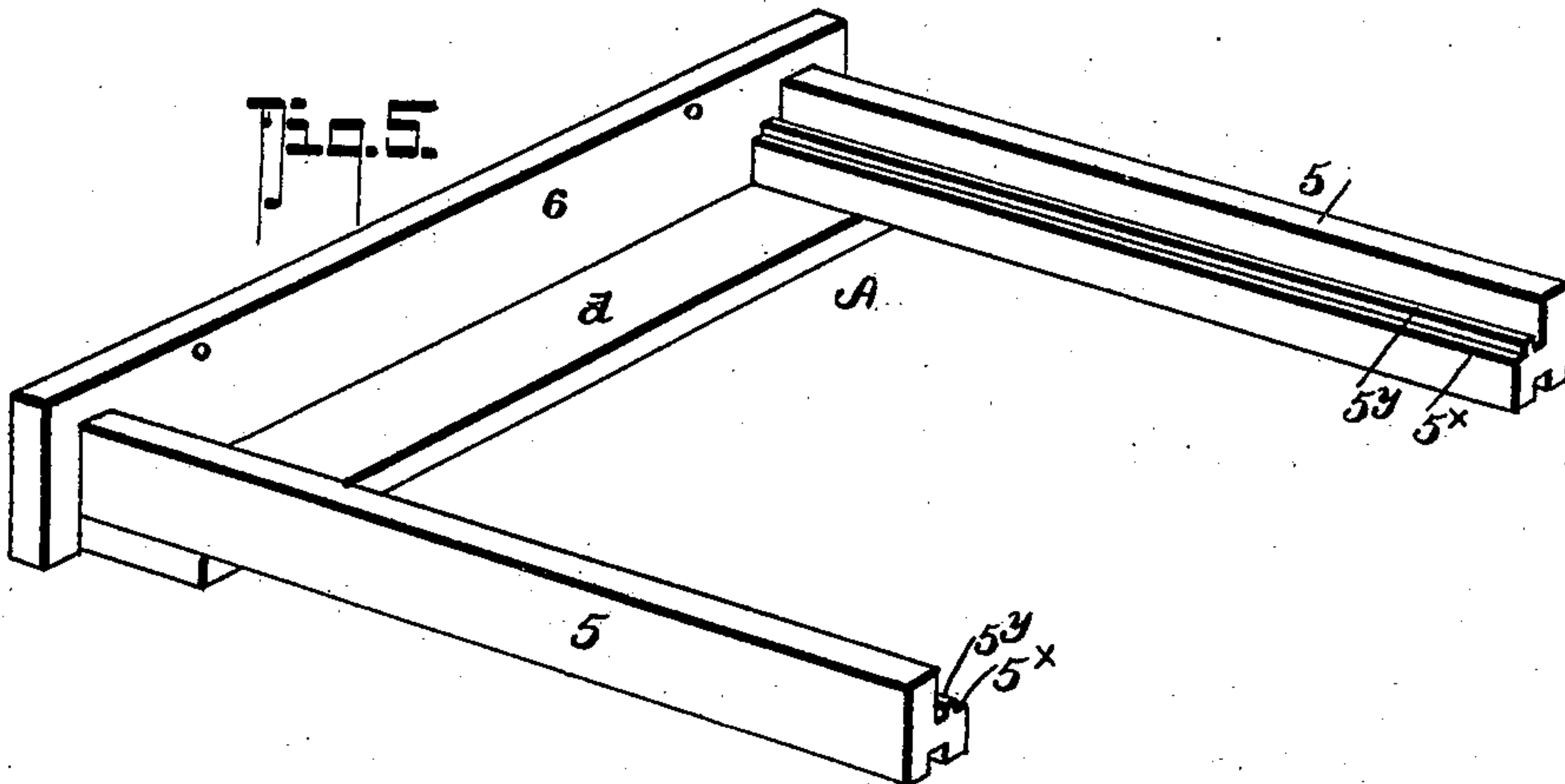
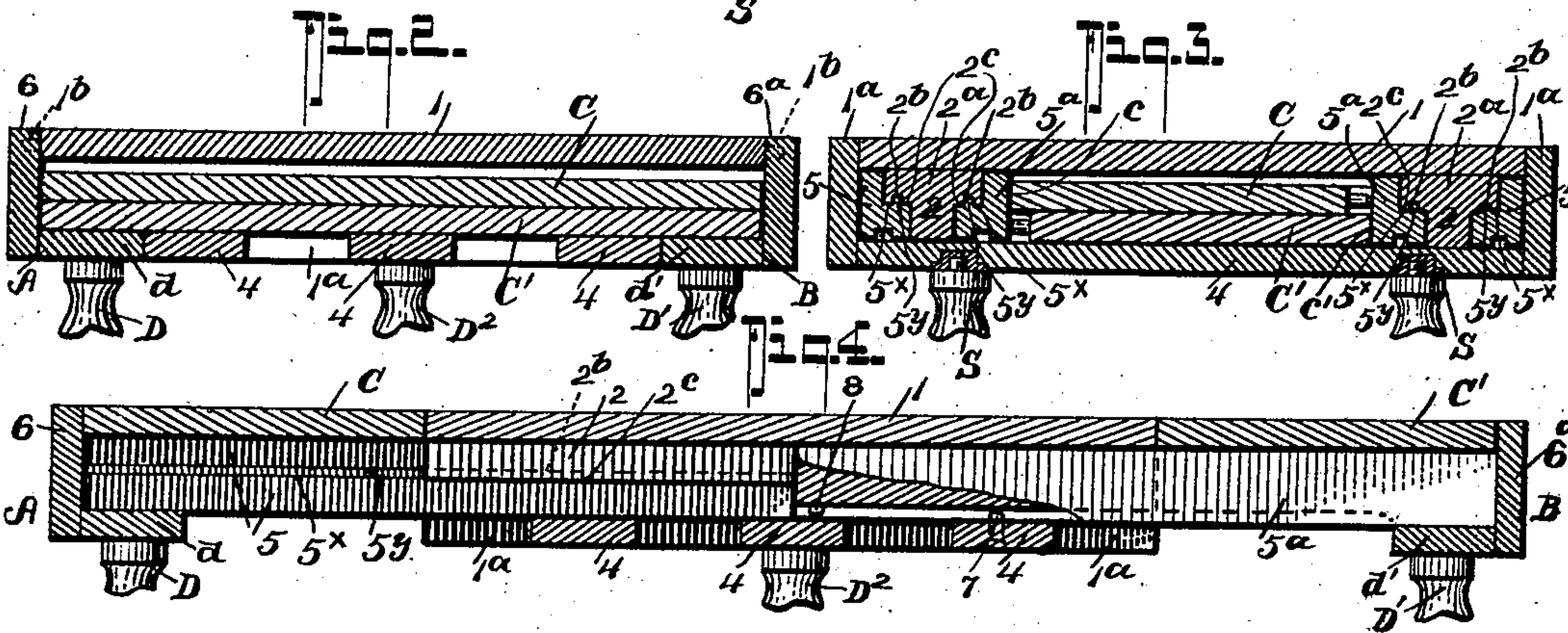
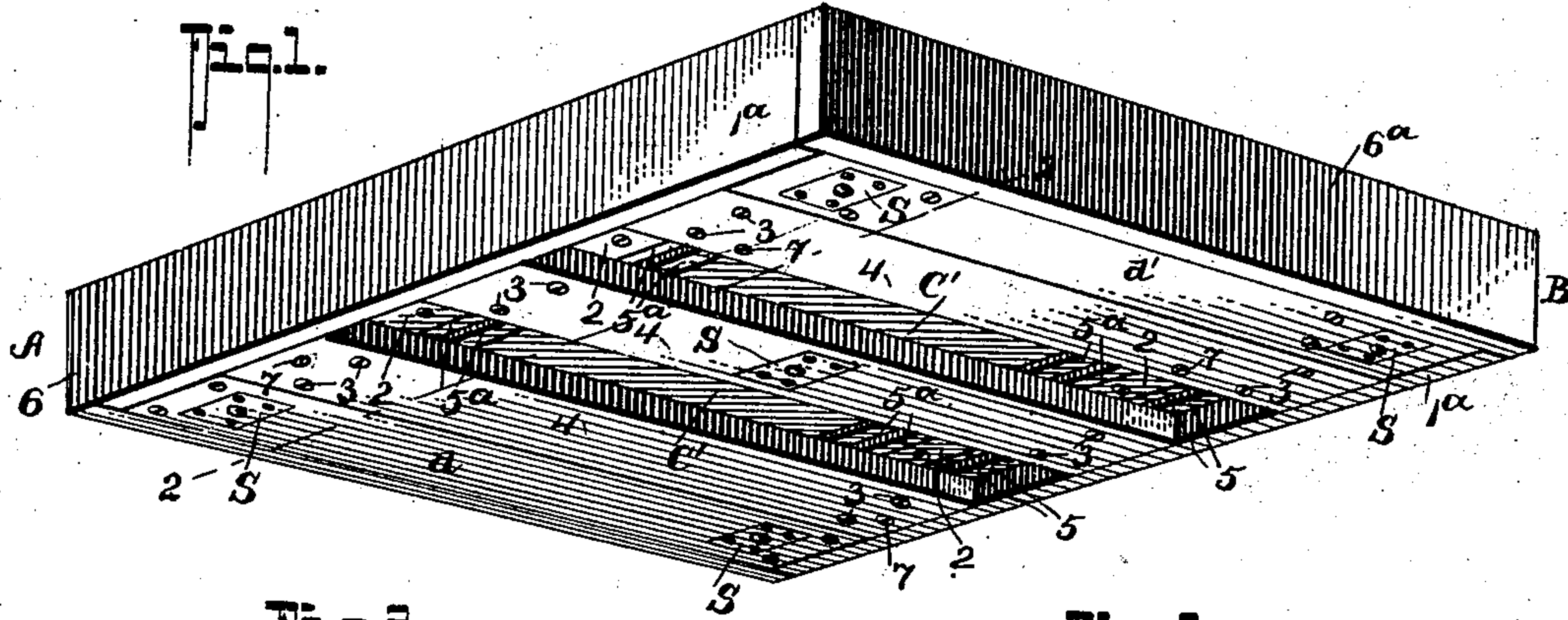
No. 710,376.

Patented Sept. 30, 1902.

C. N. SMITH.
EXTENSION TABLE.

(Application filed Oct. 15, 1901.)

(No Model.)



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EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 710,376, dated September 30, 1902.

Application filed October 15, 1901. Serial No. 78,712. (No model.)

To all whom it may concern:

Be it known that I, CHRIS N. SMITH, residing at Elgin, in the county of Kane and State of Illinois, have invented a new and Improved
5 Extension-Table, of which the following is a specification.

My present invention relates to improvements in that type of extension-tables having detachable leaves and means for sustaining
10 the leaves under the fixedly-held top section when not in use; and said invention primarily seeks to provide a table of this type of a very simple and economical construction, capable of being folded up in a very compact
15 form, and in which the several parts have such correlative arrangement as to provide a very stable and convenient construction easily manipulated and especially designed to maintain a rigid and strong position when
20 folded up and partly or wholly extended.

My invention comprehends generally a central solid top section having pendent sides and open ends square in plan view—that is, its sides being of the same width as the length of
25 the fixed top—and having longitudinal fixedly-held pendent slide members adapted to cooperate with the runners or slides on the extensible members, suitable cross guards or braces being also included, which, in addition to
30 their bracing function, act as supports for the detachable top sections, the extensions being also equipped with pendent ends, which form continuations of the drop sides when the several parts are closed in, said ends also having
35 a special construction and adapted to cooperate with the cross-brace members that support the detachable top sections, whereby to maintain said sections in a substantially rigid position when folded in under the table-top and reduce rattling or endwise movement
40 of said sections to the minimum.

In its more subordinate features my invention consists in certain novel features of construction and peculiar combination of
45 parts, all of which will hereinafter be fully described, and specifically pointed out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is an inverted perspective view of
50 my improved table, the parts being in their folded position to form a small table having continuous side and end drop members. Fig.

2 is a longitudinal section of the same on the line 2 2 of Fig. 1. Fig. 3 is a transverse section of the same. Fig. 4 is a longitudinal
55 section of the table with its ends extended and the detachable cover-sections or leaves in place. Fig. 5 is a detail view of one of the extensible end sections. Fig. 6 is a cross-section of a modified construction of my im-
60 proved table.

In its practical construction my improved table comprises a solid fixedly-held top 1, having pendent side members 1^a, said top being of a square shape, whereby its sides and
65 ends have the same length, the reason for which will presently appear, and at the opposite ends the top 1 has dowel-pins 1^b to engage the recesses in end pieces of the extensions, as clearly shown in Fig. 2. 70

2 2 designate the stationary runner or slide guides, one of which is disposed on the under side of the top 1 near the pendent sides 1^a, and each guide 2 is in the nature of a T-strip, the head portions 2^a 2^a of which have longitudinal
75 grooves 2^b 2^b in their slide-surfaces 2^c 2^c. The guides 2 2 are securely fastened to the top by screws 3, and said guides 2 2 are of less depth than the sides 1^a, whereby to permit of the cross members 4, presently
80 again referred to, to seat with their under or bottom sides in a plane with the lower edge of the sides 1^a, as clearly shown in Fig. 3.

A B designate the two extensible end sections, each of which consists of a pair of runner or slide bars 5 5^a and end or cross members 6 6^a, having the same external shape as the sides 1^a of the stationary top 1, whereby when the end sections are closed in the members 6 6^a will form continuations of the sides
85 1^a 1^a, as shown. The slide-bars 5 of member A are disposed to enter between the guides 2 and the pendent sides 1^a, and said bars 5 are of a width to snugly fit the space between said guides 2 and the sides 1^a and have slide-
90 faces 5^x to engage the contiguous slide-face 2^c of the member 2, said faces 5^x also having a tongue 5^y extending lengthwise thereof to engage the groove 2^b in the face 2^c, which it engages. The slide-bars 5^a of the member B
100 are formed similar to bars 5, but are spaced apart to engage the inner sides of the guides 2, they having slide-faces and tongues to engage the opposing slide-faces and grooves of

the members 2 2, as best shown in Fig. 3, by reference to which it will be noticed that the bars 5^a have bearing at one side only against the guide 2. Now to provide for keeping the bars from undue lateral strain or warping laterally in the direction of the central longitudinal line of the table the several parts constituting the entire table are correlatively arranged so that the distance between the two bars 5^a 5^a is substantially equal that of the width of the detachable top sections C C', held in the space between the bars and which when the table is folded up have their edges c c' act as abutments or slide-surfaces for the inner face 5^x of the bars 5^a to engage, such arrangement of parts providing, as it were, slide-surfaces for both sides of the bars 5^a, the same as is provided for the bars 5 by the guides 2 and the pendent sides 1^a. It will also be noticed by reference to Fig. 3 that the lower edges of the slide or runners and the guides 2 2 lie in the same plane and some distance above the lower edge of the sides 1^a. This arrangement of parts is provided to permit of using cross-bars 4, which extend entirely across and have their ends about the pendent sides 1^a and made to be flush with the said sides, and to further brace the end sections and also provide a suitable means for attaching the end legs D D' each section A and B has a bottom piece d d', made fast to its respective runner or slide bars 5 5^a by screws, as shown, and held in a plane with the cross-bars 4. In closing in the extensions A and B the bottom pieces lap over the ends of the guides 2, the detachable top sections C C', and the ends of the opposing bars 5 and 5^a and abut the end ones of the cross-bars 4. By thus arranging the several parts it is manifest the entire thickness of the table when folded will equal that of the pendent end and sides, and as all of the bottom members lie in a like plane without projections it follows the lower part of the table has the same smooth or clear surface as the top. This makes the packing of the table easy and compact and in such manner that all of the parts are practically rigidly held.

The leg-attaching sockets S, of which two are secured to the bottom bar of each end section and one centrally on the central brace or cross-bar 4, are each countersunk in their respective bars and formed with threaded sockets to receive the threaded ends of the legs D D' D², as shown. Any approved leg-receiving-socket members may, however, be used, as they form no part of my invention.

From the foregoing, taken in connection with the accompanying drawings, it is thought the advantages and manner of operation of my improved table will be readily understood.

I am aware that tables that break in the center of main top provided with pockets to receive the detachable leaves or sections have heretofore been provided. My invention differentiates from what has heretofore been accomplished in this line of tables, so far as I know, in the peculiar manner in which the

several parts constituting my complete table are coöperatively arranged, whereby the detachable leaves or sections are held from rattling, and said leaves form a means for holding the inner sliding bars or rails from lateral displacement, and whereby the entire table minus the legs is folded with its top, bottom, sides, and ends in smooth planes and without projecting parts.

In Fig. 6 I have illustrated a slightly-modified form of my improved table, in which the same coöperative arrangement of the several parts shown in Figs. 2 and 3 is to be found, with the exception that the detachable leaf-sections are of less width, whereby to provide space between the inner slides and the sides of the leaf-sections to admit of placing in said spaces longitudinally-extending partitions P, the outer sides p of which serve as guide-surfaces for the inner sides of the inner slides 5^a 5^a to hold them in proper engagement with the slide-guide. The inner sides p' of said partitions have longitudinal grooves p² to receive the dowels x on the detachable leaf-sections. Thus the leaf-sections will be held separated and sidewise immovable in the packing-space under the table-top.

To limit the outward pull of the slide members 5 and 5^a, stop-lugs 8 are fitted in their grooves, as shown in Fig. 4, to engage with the stationary stop or screws 7 7, that extend up through the cross-pieces 4 4, as shown.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An extension-table, comprising a solid square top section, having pendent sides, fixedly-held cross-bars, disposed in a plane with the lower edges of the sides, guide-bars extended longitudinally of the table, and disposed between the under sides of the top section and the cross-bars, an extensible section at each end having pendent end members, adapted to form continuations of the pendent sides aforesaid, said extensible sections having slide-bars to engage the guide-bars, and leaf-top sections, adapted to be detachably held lengthwise under the top and on the cross-bars, said sections filling the space between the guide-bars, the top and cross-bars, when folded thereon, substantially as shown and for the purposes described.

2. In an extension-table, the combination with the central fixedly-held top section having pendent sides 1^a, permanent cross-bars 4, the latter being in a plane with the lower edges of the sides 1^a, and the guide-rails 2, attached to the fixedly-held top one near each side; of the extensible sections A and B, each comprising end portions 6, of a depth equal that of the sides 1^a, an inwardly-extending cleat on the lower edge, in a plane with the cross-bars 4, and slide-rails, the rail-section being spaced to enter between the guides 2 and the sides 1^a, and the rail of section B

spaced to engage the inner faces of the said guides 2, and detachable leaf-sections adapted to fit lengthwise under the fixed table-top, and with their outer edges abutting the inner sides of the slide-rails of the section B, and to rest upon the cross-bars 4 4 and the cleats *d*, and having a length equal the length of the fixed table-top, all being arranged substantially as shown and described.

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Witnesses:

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