

No. 704,552.

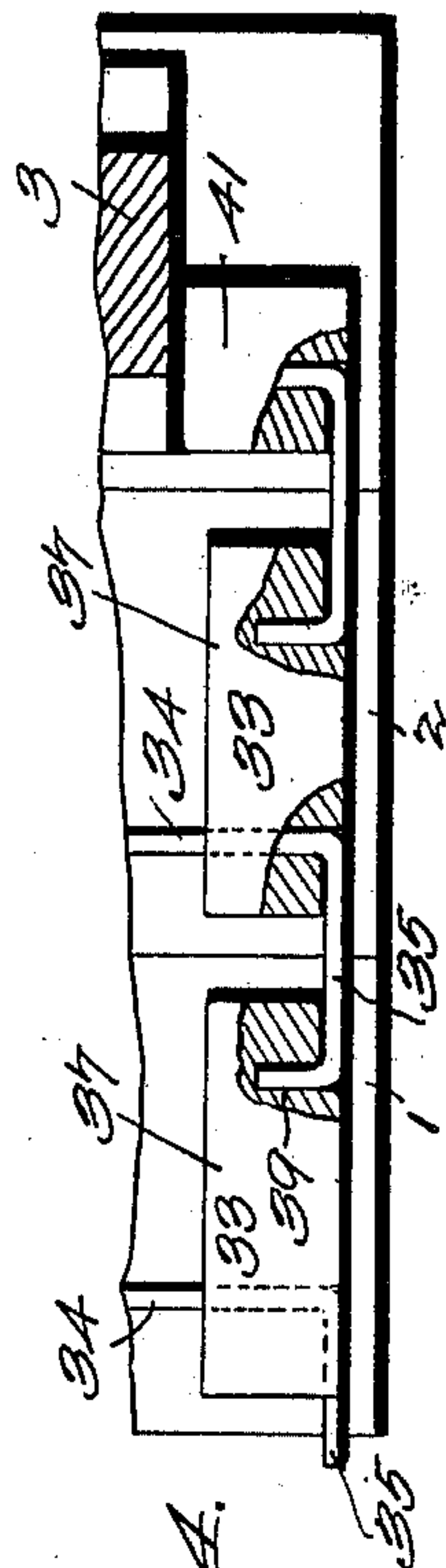
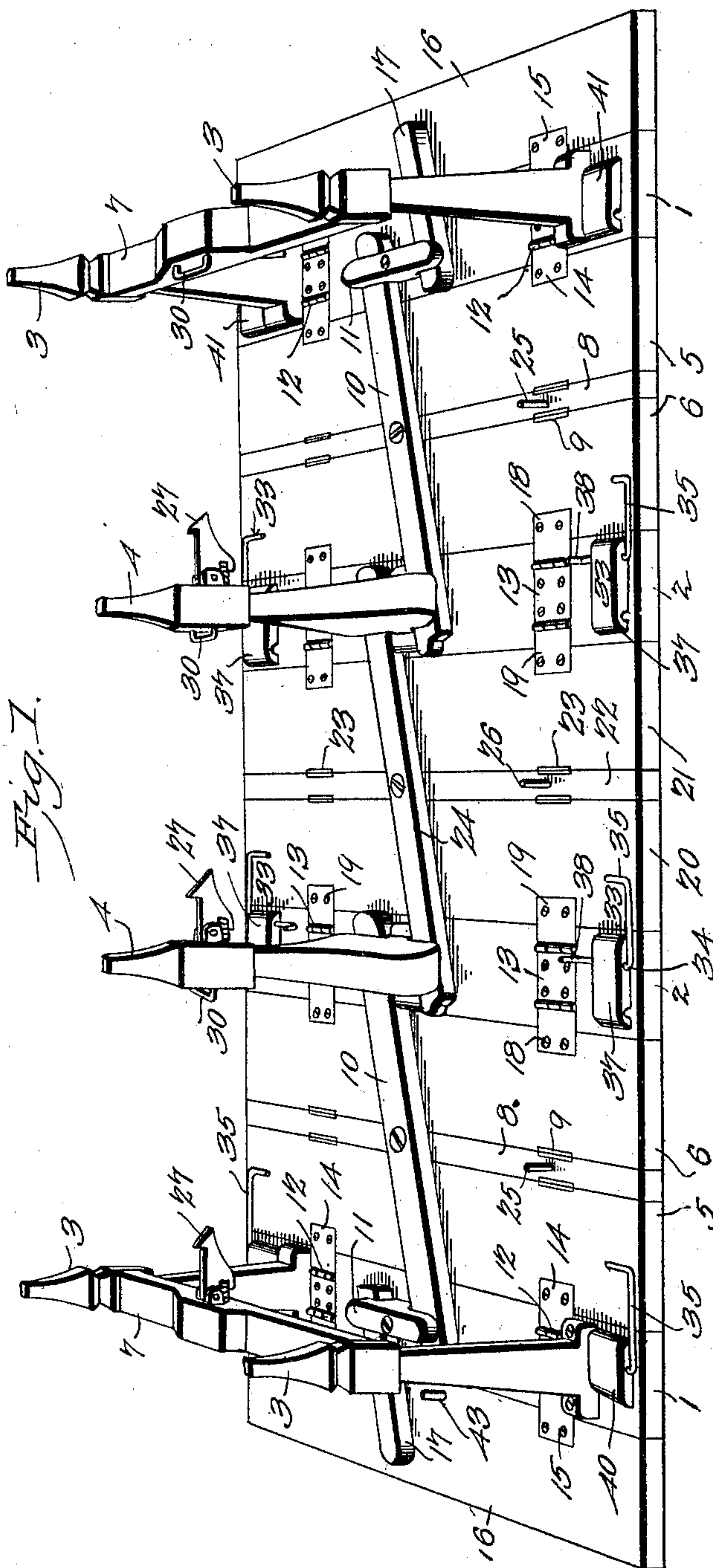
Patented July 15, 1902.

F. LIESKE.  
EXTENSION TABLE.

(Application filed Dec. 6, 1901.)

(No Model.)

2 Sheets—Sheet 1.



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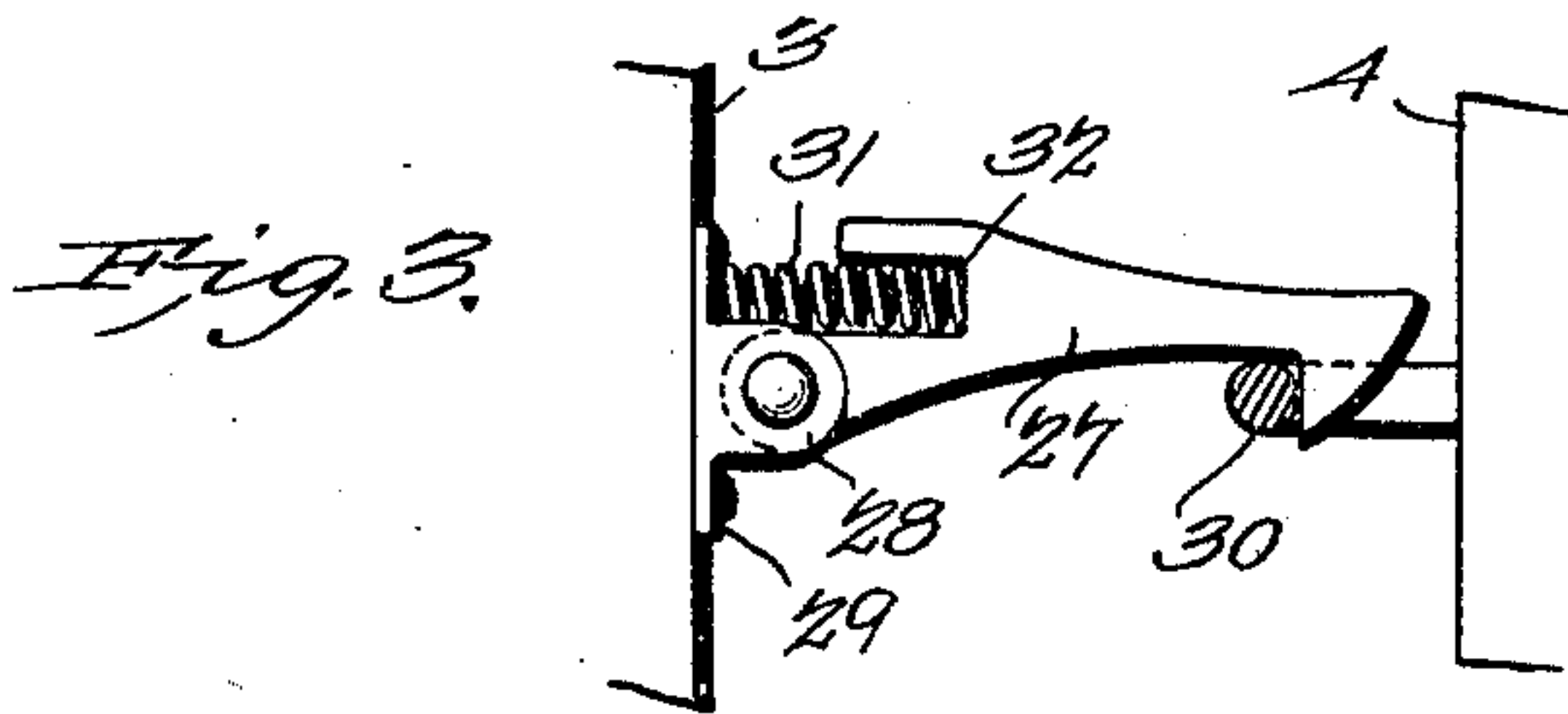
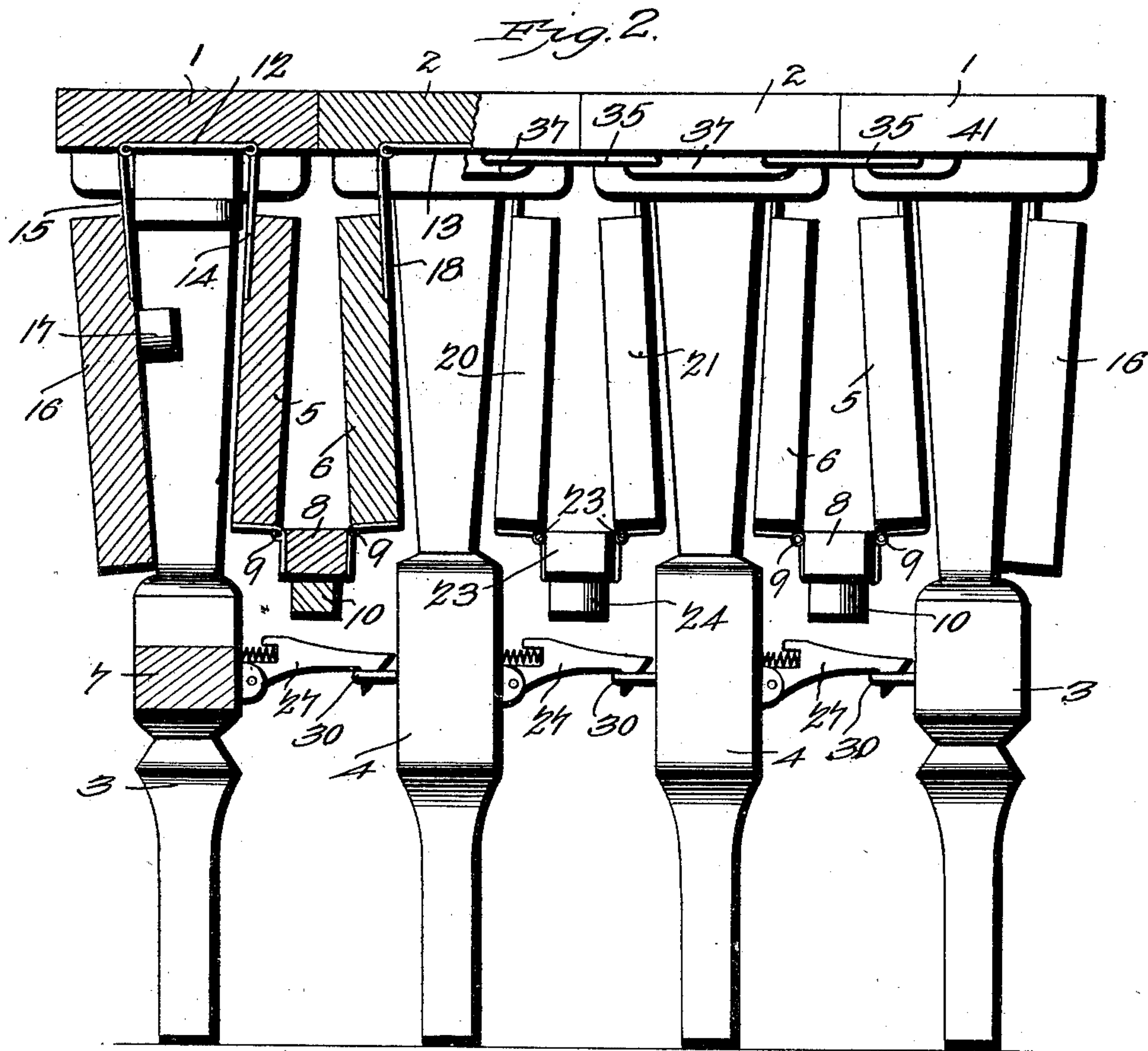
Patented July 15, 1902.

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EXTENSION TABLE.

(Application filed Dec. 6, 1901.)

(No Model.)

2 Sheets—Sheet 2.



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# UNITED STATES PATENT OFFICE.

FRANK LIESKE, OF MARQUETTE, MICHIGAN.

## EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 704,552, dated July 15, 1902.

Application filed December 6, 1901. Serial No. 84,942. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK LIESKE, a citizen of the United States, residing at Marquette, in the county of Marquette and State of Michigan, have invented a new and useful Extension-Table, of which the following is a specification.

The invention relates to improvements in extension-tables.

10 The object of the present invention is to improve the construction of extension-tables and to provide a simple and comparatively inexpensive one in which the leaves will be permanently mounted on it and which will be  
15 capable of ready adjustment to provide a table of the desired size.

A further object of the invention is to provide a table of this character in which a large number of leaves may be employed to provide  
20 a table of great capacity and which will enable the leaves not in use to be compactly arranged beneath those in use.

The invention consists in the construction and novel combination and arrangement of  
25 parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended:

In the drawings, Figure 1 is a perspective view of an extension-table constructed in accordance with this invention, the table being  
30 extended and inverted. Fig. 2 is a side elevation partly in section, the table being folded. Fig. 3 is a detail view of one of the spring-catches for holding the table folded. Fig. 4  
35 is a reverse plan view of a portion of the top of the table, illustrating the manner of locking the fixed horizontal leaves together when the table is folded.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 and 2 designate fixed horizontal leg-receiving leaves secured to the upper ends of end and intermediate legs 3 and 4 and connected by folding extensible leaves 5 and 6,  
45 which are adapted to fold and drop wholly below the top of the table, as illustrated in Fig. 2 of the drawings. The end legs 3 are preferably arranged in pairs and are connected by a transverse bar 7, and the intermediate leg 4 is arranged at the center of the leaf  
50 2, as clearly illustrated in Fig. 1 of the draw-

ings. The leaves 5 and 6, which are adapted to fold to permit the fixed horizontal leaves 1 and 2 to be brought together to reduce the  
55 length of the table, are hinged at their adjacent edges to a connecting strip or section 8, which is interposed between the leaves 5 and 6 when the latter are in a horizontal position and which is arranged below the leaves 5 and  
60 6 when the latter are folded. The hinges 9, which connect the leaves 5 and 6 to the strip or section 8, are secured in recesses of the adjacent edges of the parts and have their pin-  
65 tles arranged adjacent to the upper face of the table-top when the leaves 5 and 6 are in a horizontal position. The connecting strip or section also has mounted upon it a pivoted locking-bar 10, which when the parts are  
70 arranged as illustrated in Fig. 1 extends entirely across the folding leaves 5 and 6 and is interlocked with the fixed horizontal leaves 1 and 2, preferably by engaging a cleat 11 of  
75 the leaf 1 and the top of the leg 4 of the section 2, the leg 4 being enlarged at the top to provide a shoulder at each side for engagement with locking-bars. The leaves 5 and 6  
80 are connected with the fixed horizontal leaves 1 and 2 at points between the side edges thereof by hinges 12 and 13, composed of three leaves, as shown; but any other form of hinge may be employed, if desired. The  
85 central leaf of the hinge 12 is secured to the table-leaf 1 midway between the side edges thereof, and the inner side leaf 14 is secured to the adjacent folding leaf 5. The other  
90 side leaf 15 of the hinge is attached to a folding end leaf 16 of the table-top. This arrangement of hinges permits the folding end leaf of the table-top and the intermediate  
95 folding leaf 5 to swing downward to points beneath the stationary horizontal end leaf 1. The folding end leaf 16 of the table-top is held in a horizontal position by a pivoted  
locking-bar 17, which when the table-leaf 16  
100 is in a horizontal position is adapted to extend over the lower face of the fixed horizontal leaf 1 to the cleat 11. The cleat 11 is provided at its ends with recesses to receive the locking-bars 10 and 17. The central leaf of the hinge 13 is secured to the lower face of the fixed horizontal leaf 2 midway between the side edges thereof, and one of the end leaves is secured to the adjacent folding leaf



6 of the table-top, and the leaf 18, which is secured to the table-leaf 6, permits the latter to swing downward to a point beneath the fixed horizontal leaf 2. This will permit the adjacent edges of the leaves 1 and 2 to abut against each other, as shown in Fig. 2, when the table is folded. The other end leaf 19 of the hinge 13 is fastened to the adjacent leaf 20 of a set of folding extensible leaves similar to the leaves 5 and 6, but arranged between and connecting two intermediate fixed horizontal leaves 2. The leaves 20 and 21 are connected at their adjacent edges to a strip or section 22 by hinges 23, arranged similar to the said hinges 9.

Any number of table-leaves 2 may be employed, and any number of folding leaves 20 and 21 may be employed for providing extensible connections between such fixed horizontal leaves 2, and by varying the number of the latter a table of any desired length may be provided. The intermediate legs, which are centrally secured to the fixed horizontal sections 2, have their enlargements spaced from the said leaves 2 to provide opposite recesses to receive the locking-bars, and the section or strip 22 has pivotally mounted on it a locking-bar 24, which is adapted to extend across the folding leaves 20 and 21 and engage the intermediate legs 4. In order to facilitate the arrangement of the locking-bars 10 and 24 in alinement with the strips or sections 8 and 22, the latter are provided with stops 25 and 26 to limit the swing of the locking-bars, which are recessed at one end to receive the stops.

When the table is folded, the legs are connected by spring-actuated catches 27, pivoted between perforated ears 28 of a bracket or plate 29 and adapted to engage a loop or keeper 30. The spring-actuated catch is provided with a beveled head to enable it to engage the loop or keeper automatically when the table is folded, and the said head is also provided with a shoulder for engaging the loop or catch. The spring 31 is interposed between the inner end of the catch and the bracket or plate, and the said catch is provided with a recess 32 to receive the adjacent portion of the coiled spring, which is secured to the bracket or plate in any suitable manner. The catches and keepers are arranged centrally of the table, and those for locking the end blades are mounted on the transverse bars of the same. The leaves are locked against displacement when the table is folded by approximately U-shaped locking devices 33, consisting of a pintle or shank 34 and an approximately L-shaped arm 35, composed of a long longitudinal portion and a short inwardly-extending transverse portion. The pintle portion is mounted in a suitable bearing-opening of a block 37 and is provided at the end with a stop 38 to limit its outward movement, the locking device being adapted to be reciprocated transversely of the table to engage its arm 35 with a socket 39 of a

corresponding block 37. The blocks 37 are mounted on the fixed sections 2, and the said locking devices are adapted to extend across the adjacent edges of the fixed horizontal sections, and they are capable of preventing the same from separating. One of the fixed end sections 1 is provided with a single block 40, which has only a bearing-opening, and the other fixed end section is provided with a block 41, which is provided only with a socket to receive the engaging arm of the adjacent locking device. The locking devices are adapted to be readily drawn outward to release the fixed horizontal leaves to enable the table to be extended. The folding end leaves 16 are provided with suitable stops 43 to limit the swing of the locking-bars 17.

It will be seen that the extension-table is exceedingly simple and inexpensive in construction, that the folding leaves, which are arranged in sets, are permanently mounted on the table, and that they permit a table of any desired length to be readily constructed, and they enable the same to be compactly folded when not in use.

What I claim is—

1. An extension-table comprising stationary horizontal leaves, legs supporting the same, intermediate folding leaves hinged to the stationary leaves and adapted to swing inward wholly beneath the top of the table to permit the stationary leaves to be brought together, a connecting strip or section hinged to the adjacent edges of the folding leaves, and a locking device supported by the connecting strip or section and adapted to hold the folding leaves in a horizontal position, substantially as described.

2. An extension-table comprising fixed horizontal leaves, intermediate folding leaves hinged to the fixed leaves and adapted to swing downward wholly beneath the top of the table, a connecting strip or section hinged to the adjacent edges of the folding leaves, and a locking-bar mounted on and carried by the connecting strip or section and adapted to extend across the folding leaves to lock the same rigid with the fixed leaves, substantially as described.

3. An extension-table comprising fixed horizontal leaves or sections, legs supporting the same, the intermediate folding leaves hinged to the fixed leaves and arranged to swing downward, the connecting strip or section hinged to the adjacent edges of the folding leaves, a locking-bar pivoted to the connecting strip or section and arranged to extend across the folding leaves when the latter are arranged in a horizontal position, and means carried by the fixed leaves for engagement with the pivoted locking-bar, substantially as described.

4. An extension-table comprising the fixed horizontal leaf 1, a pair of end blades supporting the same, the intermediate fixed leaf 2, a central leg supporting the intermediate leaf and having opposite shoulders spaced from



the same to form recesses, a cleat mounted on the fixed section 1, the folding intermediate leaves hinged to the fixed leaves, the connecting strip or section hinged to the adjacent edges of the folding leaves, and a locking-bar pivoted to the connecting strip or leaf and arranged to engage the cleat, and the central leg, substantially as described.

5. An extension-table comprising fixed horizontal leaves, legs supporting the same, folding intermediate leaves, and locking mechanism for connecting the legs composed of a horizontal loop mounted on one leg, a vertically-swinging catch pivotally mounted on the opposite leg and provided above its pivot with a recess, and a coiled spring located in the recess and interposed between the catch and the leg and holding the said catch in engagement with the horizontal loop, substantially as described.

6. An extension-table comprising fixed

horizontal leaves, folding leaves, blocks mounted on the fixed leaves, one of the blocks being provided with a socket, and an approximately U-shaped locking device consisting of an elongated pintle journaled on one block and slidably connected to the same, whereby the locking device is capable of swinging longitudinally of the table and of sliding transversely of the same, a short engaging portion for engaging the socket of the other block to lock the table in its folded position, and a connecting portion, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FRANK LIESKE.

Witnesses:

E. D. MOSHER,  
A. FOUBERT.