

Oct. 7, 1930.

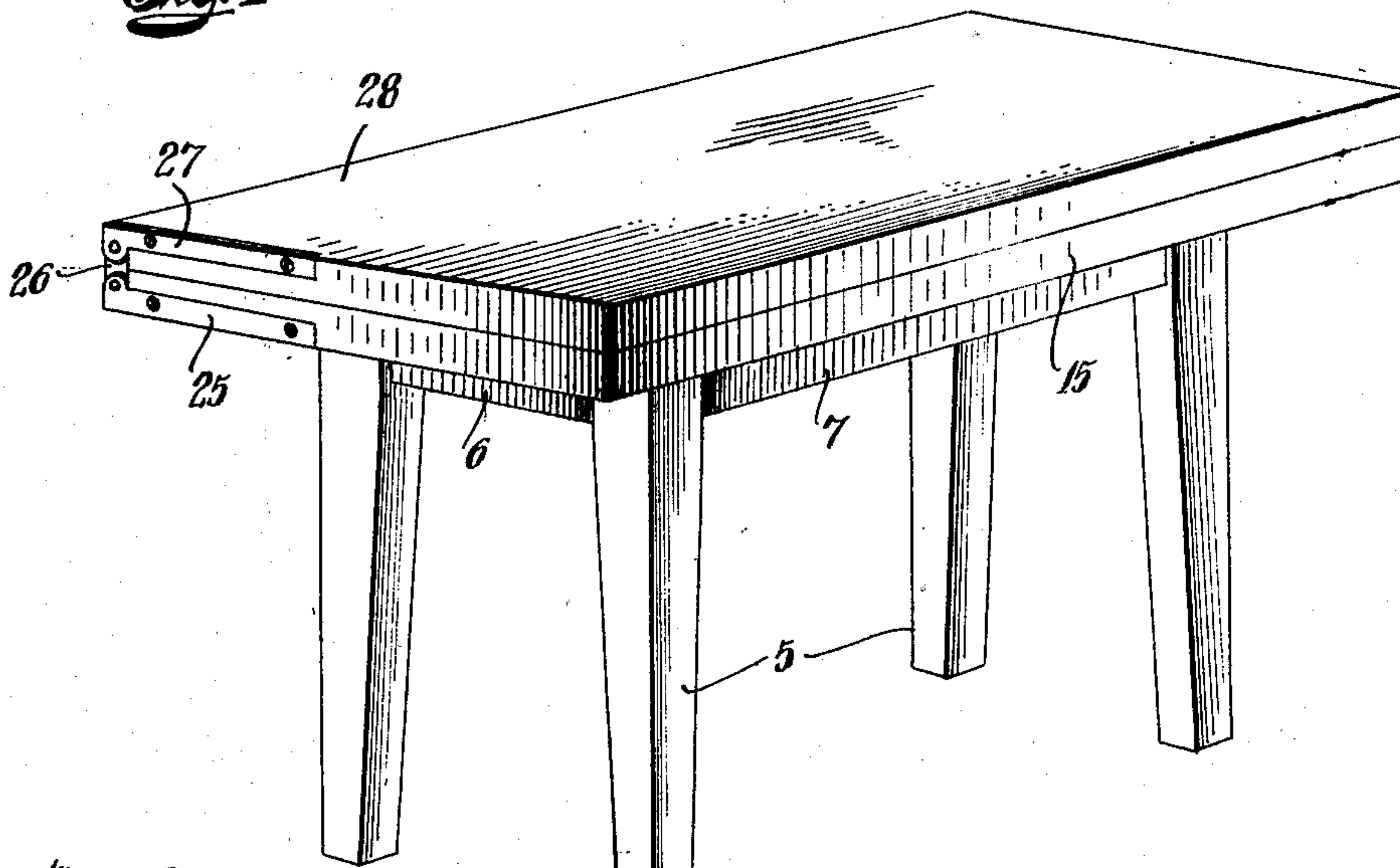
H. STARKER

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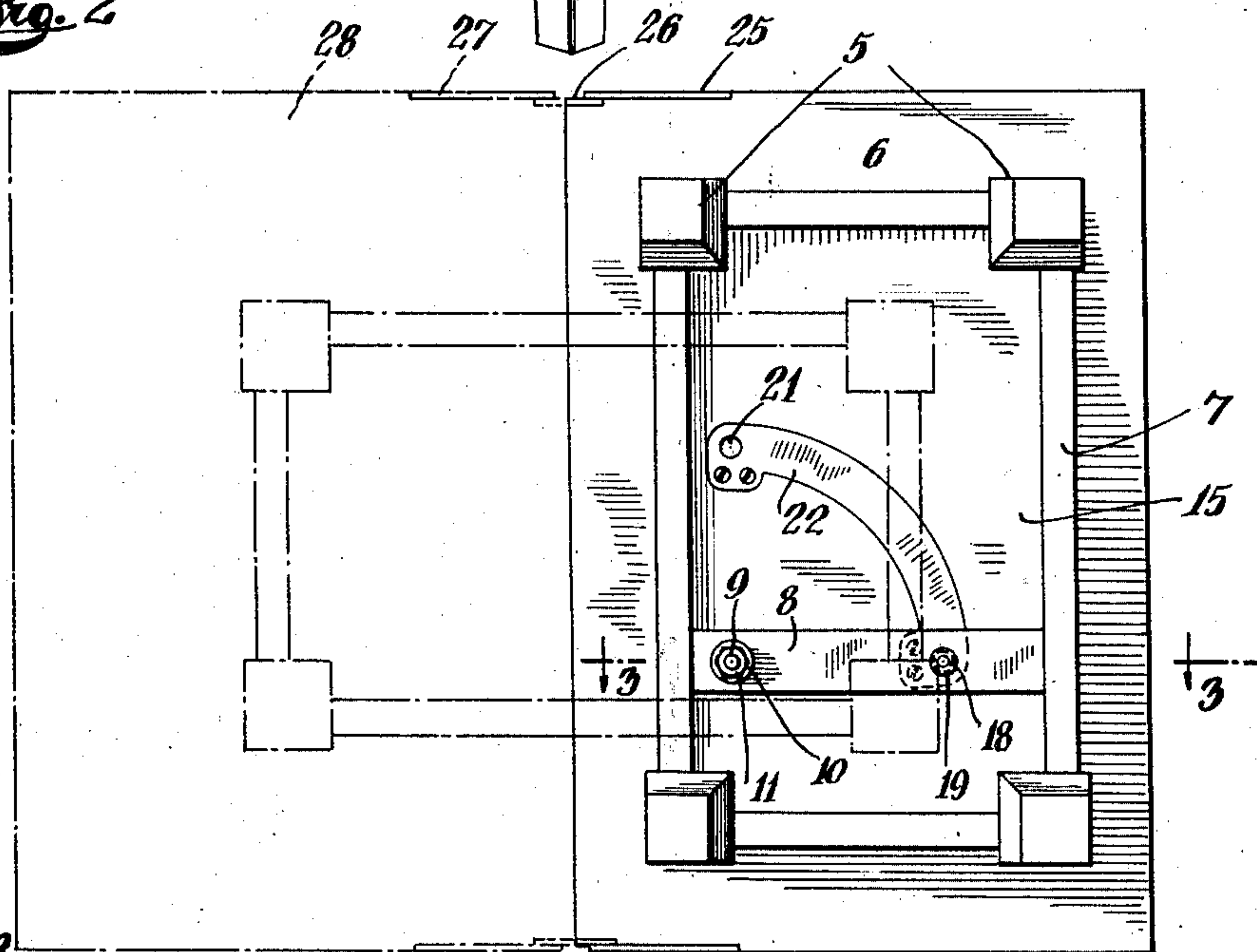
EXTENSIBLE TABLE

Filed March 9, 1927

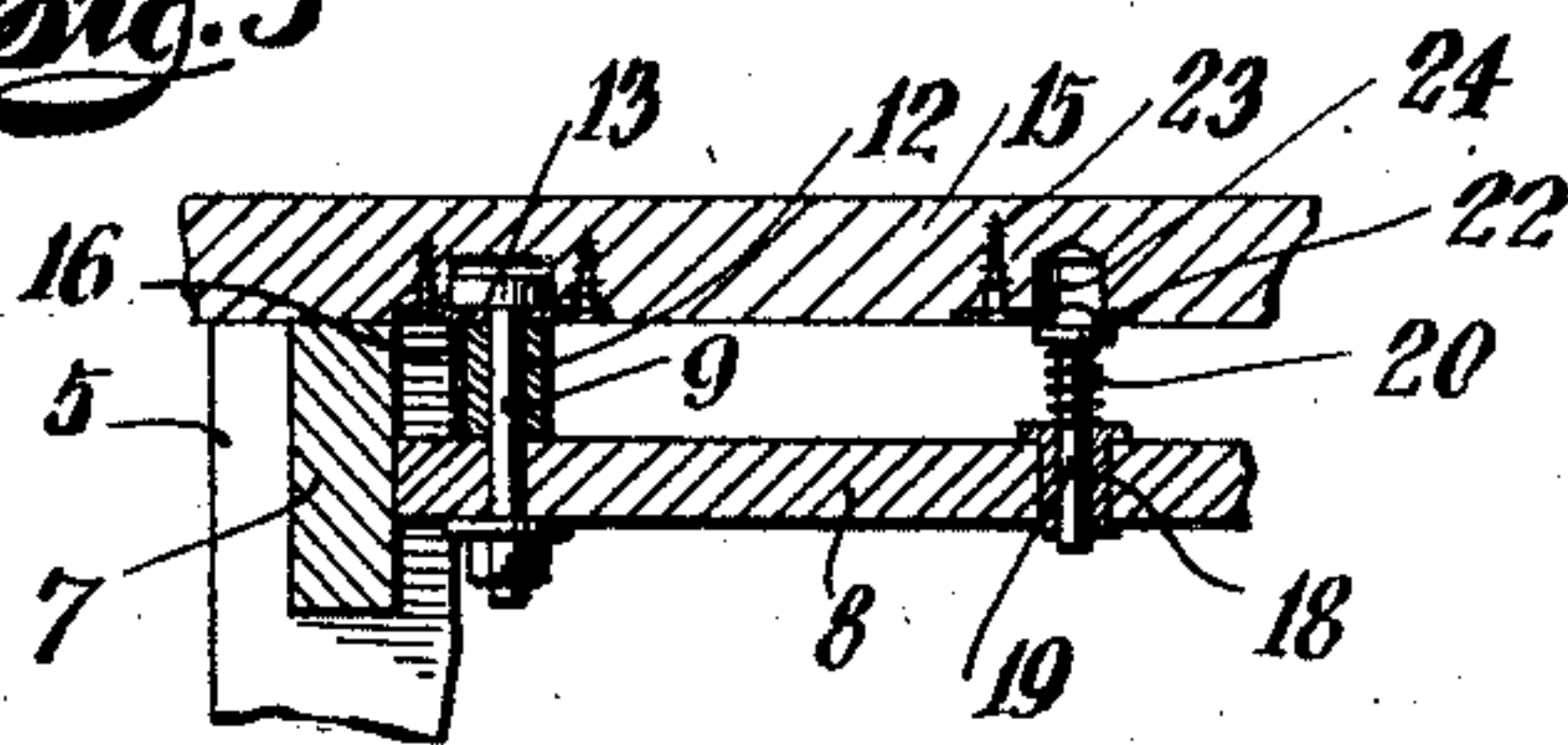
*Fig. 1*



*Fig. 2*



*Fig. 3*



Inventor

Henry Starker

By his Attorney

Marvin Palmer



## UNITED STATES PATENT OFFICE

HENRY STARKER, OF JERSEY CITY, NEW JERSEY

## EXTENSIBLE TABLE

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This invention relates to tables with particular reference to types that are extensible.

One of the objects of this invention is to provide means whereby the table may be opened to cover twice as much area as when closed or in normal position.

A further aim is in the provision of means to support the table when in an open position, the support pivotally moving from one position to another when the table is closed.

A still further characteristic is to provide a locking means for positively engaging the table in either of its adjustable positions.

These and other objects, which will become apparent as the description progresses, are accomplished by the novel construction, combination and arrangement of parts, hereinafter described and illustrated in the accompanying drawing, forming a material part of this disclosure, and in which:—

Figure 1 is a perspective view showing the table in a closed position.

Figure 2 is a bottom plan view showing the table, as closed, in full lines and as open, in broken lines.

Figure 3 is a fragmentary, longitudinal sectional view taken on line 3—3 of Figure 2.

In the drawing, the numeral 5 designates four rectangular legs, enlarged at their upper ends and connected by pairs of parallel supports 6 and 7, respectively short and long at the ends and sides.

Fixed intermediate the supports 7 and near one end thereof, is a cross-piece 8 having, passing therethrough at one end, a rod 9 engaged by a washer 10 and a nut 11 on the under side of the member 8.

Loosely mounted on the rod is a spacer 12, the top of which is flush with the element 7, there being a disc head 13 on the upper end of the rod 9 freely engaged in a recess formed in the underside of a rectangular table top 15, the head 13 being held in place by a plate 16 fixed to the element 15 by screws.

Fast in the cross-piece 8 is a vertical sleeve

18 in which is slidable a detent 19 having a convexly curved head actuated by a spring 20, the detent head engaging openings 21 in an arcuate plate 22 fixed on the member 15 by screws, there being a pair of recesses 24 formed in the member 15 to register with the openings 21.

Secured on the table top 15 at two of the shorter ends thereof, is a pair of right angle brackets 25 pivoted by links 26 to similar brackets 27 fixed on a second table member 28 normally disposed over the element 15, these elements constituting a hinge.

Thus, to open the table, the under frame is pivoted at a right angle to its normal position, on the axis 9, the detent being forced downwardly by contact with its curved head against the edges of the openings 21 and riding against the plate until the other opening is brought into register and the top member 28 is folded over to rest on the extending portion of the frame as shown in broken lines in Figure 2.

It will be noted from the foregoing, that a simple, extensible table has been disclosed, having detent means for retaining the table in its adjusted positions and which requires very little space when in a closed position.

While the preferred form of my invention has been described in detail, it will be understood that changes in construction and details thereof, may be made without departing from the spirit of the appended claim.

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

In an extension table including an under-frame, a recessed rectangular table top and a second table member hingedly secured to said top at two of the shorter ends thereof, a cross-piece on the underside of said top, a vertical sleeve in said cross-piece, a spring controlled detent slidably arranged in said sleeve and having a convexly curved head, an arcuate member on said table top having openings



therein adapted to be engaged by said detent  
head, said openings registering with the re-  
cesses formed in said top, and a rod connect-  
ing said cross-piece at one end thereof with  
5 said table top to act as pivot point for said  
underframe for swinging said underframe at  
an angle to said top to provide a support for  
said table member in the extended position  
of the table.

10 In witness whereof I have affixed my sig-  
nature.

HENRY STARKER.

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