

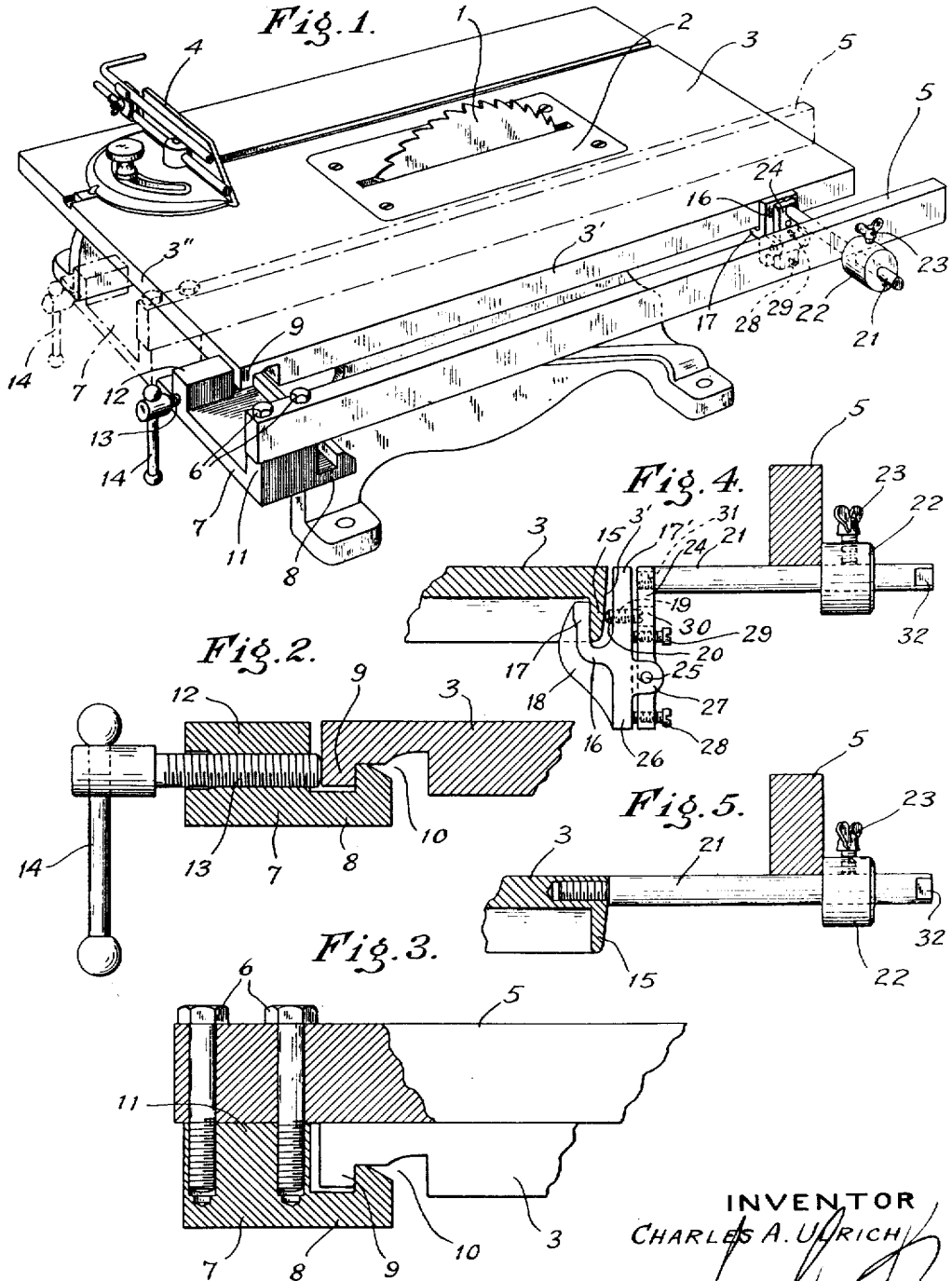
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C. A. ULRICH

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TABLE FOR SAWS OR THE LIKE

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TABLE FOR SAWS OR THE LIKE

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My invention relates to tables for saws or the like.

It has among its objects to provide an improved table of the type adapted to be used on power saws or other like tools or machines. A further object is to provide an improved table especially adapted to use on bench saws and having improved means whereby, while continuing to use a small sized table and part of the guide mechanism provided thereon, the effective range of the saw may be substantially extended. A still further object of my invention is to provide improved and inexpensive extension means adapted to be readily applied to the table of a power saw or the like to enable the size of the table to be increased when desired. Still another object of my invention is to provide such improved extension means especially adapted to use in connection with a bench saw and adapted to be applied to a standard saw table and to use with the same and certain of the existing parts of the guiding mechanism with only a minimum change in the existing device, and all in such manner as to enable the possible range of the saw to be increased when desired beyond the normal capacity of the table and guiding mechanism thereon. These and other objects and advantages of my improved construction will, however, hereinafter more fully appear.

In the accompanying drawing I have shown for purposes of illustration two embodiments which my invention may assume in practice.

In the drawing,—

Fig. 1 is a perspective view of a power driven circular bench saw equipped with one form of my improvement, the guide being shown in different positions in full and dotted lines;

Fig. 2 is a vertical section through the clamping mechanism for the rip gage;

Fig. 3 is a vertical section through the support for said gage;

Fig. 4 is a vertical section through the supplementary support for said gage, and

Fig. 5 is a view similar to Fig. 4, but showing a modified construction of support.

In the illustrative construction shown in

Fig. 1, it will be noted that I have shown a saw mechanism of a well known bench type including a rotatable saw blade 1 adapted to be driven by any suitable means (not shown) from any suitable source of power and rotatable in a usual plate 2 in a table 3, the latter herein carrying a usual miter gage 4 and also having a usual rip gage or guide 5, this guide herein being provided with improved means, hereinafter described, whereby the same may be supported beyond the side edge 3' of the table 3 in such manner as to enable the saw to be used on work which would otherwise be wholly beyond the capacity of the device.

Referring more particularly to the guide 5, it will be noted that one end of the same is suitably connected, as by bolts 6, to an underlying laterally disposed plate 7 which is of an improved construction adapting it to support the member 5 beyond the side edge 3' of the table 3 while cooperating with other improved co-operating supporting means for the opposite end of the guide, hereinafter described. Herein, this member 7 is adapted to be adjusted at will along the end edge 3'' of the table, and is accordingly provided with a usual inwardly and upwardly projecting L-shape lip or extension 8 adapted to receive a corresponding but reversely disposed extension or guide 9 formed by suitably grooving, as at 10, the under side of the table 3. Herein, it will also be noted that the member 5 is carried on an upwardly extending projection 11 on the outer upper surface of the member 7, which also receives the inner ends of the bolts 6 connecting the member 5 thereto and so supports the latter member that its under surface is flush with and movable over or beyond the upper surface of the table 3. Spaced from this projection 11 by a substantial distance, herein the distance which it is desired to extend the table 3, is another upwardly projecting member 12 on the member 7, which herein has a threaded bolt 13 adjustable therein by means of a sliding handle 14 in such manner as to clamp or release the bolt 13 from the depending portion 9 on the adjacent edge of the

table 3. Thus it will be evident that, while adapted to all normal uses when the guide 5 is resting on the table 3, whenever it is desired to move the guide 5 beyond the edge of the table 3 to adapt the device to use on larger work, it is only necessary to release the bolt 13 by operation of its handle 14, and slide the members 7 and 5 from any of their innermost positions, as, for example, the dotted line position shown in Figure 1, to the full line position shown in that figure, whereupon, the member 5 being laterally located as desired, the member 7 can be fixed in its new position by merely again tightening the screw 13.

Co-operating with this improved extension means carrying one end of the guide 5 is also improved supplementary means for supporting the opposite end of the guide 5 in any of its positions beyond the edge of the table. In the construction illustrated in Figure 1 and shown in detail in Figure 4, it will be noted that this means is also in a form which, like the construction at the opposite end of the guide, requires no change in the table 3. More particularly, it will be noted that whereas the table 3 is normally provided with an inwardly sloping edge 3' and an inwardly sloping depending flange 15 forming a continuation thereof, these means are adapted to utilize this flange and to be very quickly and conveniently attached thereto or removed therefrom. Herein, they include a clamping member 16 having a portion 17 adapted to engage the usual straight inside surface of the flange 15, and also having a generally U-shaped body, preferably provided with a suitable strengthening rib 18, and also having an upstanding portion 17' extending up along the outer side of the flange to the top of the table 3. Herein, the upstanding arm 17' is also provided with a threaded aperture 19 which in turn receives a threaded set screw 20 adapted to engage the sloping side of the flange 15 and thereby fix the member 16 thereto. It will also be noted that a gage support, herein in the form of a member or rod 21, is also carried by the member 16 and projects laterally therefrom beyond the edge 3' of the table in such manner as to underlie the free end of the gage 5 in the different positions of the latter beyond the edge of the table. As shown, the member 21 also carries a suitable adjustable stop 22 adapted to engage the outer side of the gage 5 and form an abutment for the latter preventing outward springing of the same by the work, while also being adapted to be suitably connected to the member 21 in any desired position by suitable means, as, for example, a wing nut 23.

While, if desired, the member 21 may be carried directly on the member 16, as, for example, by suitably forming the same on

or connecting the same to the arm 17' thereof, I preferably provide improved supporting and positioning means for the member 21 in order that the gage supporting surface of the same may be maintained in the plane of the upper or working surface of the table 3. Herein these means include a vertical plate or member 24 adjustable relative to the member 16 and herein pivoted on any suitable horizontal pivot, such as 25, to the latter member and capable of being adjusted relative to the same in such manner as to bring the member 21 into the desired position. More particularly, it will be noted that herein an extension 26 is provided on the lower end of the member 16 and that the pivot 25 is connected thereto, as, for example, by providing suitable parallel lugs 27 on the extension 26, which lugs have the plate 24 between the same and form a journal for a pivot pin which provides the pivot 25. Attention is also directed to the fact that above and below the pivot 25, set screws 28 and 29 are provided which extend through the plate 24 and engage the outer surfaces of the portions 26 and 17' of the member 16. Thus, through suitable adjustment of these screws 28 and 29, it is possible to change the angle of the member 24 and the rod 21 as desired, while holding both of the same securely in the different positions of adjustment thereof. Here it will also be noted that a hole 30 is preferably provided in the member 24 above the set screws 29 and opposite the set screw 20, so that the latter is readily accessible through the plate 24. It will also be observed that while the member 21 may be suitably attached in any desired manner to the plate 24, the same is herein provided with a threaded end 31 threaded into a corresponding aperture in the upper end of the plate 24 and that the location of this threaded aperture is preferably such as to bring the upper surface of the member 21 and the upper end of the member 24 into the same plane. It will also be observed that herein the member 21 is provided with suitable flat portions 32 on its opposite extremity adapted to receive a wrench.

As a result of my improved construction it will be evident that it is possible to increase the range of the device and the size of the work capable of being operated upon thereby. More particularly, the guide 5 is adapted to function effectively both while over the table and in any of a wide range of extended positions laterally beyond the side of the table, and is also adjustable as desired both on the table in a usual manner and into the various positions of the same beyond the edge of the table. It will further be noted that in the latter positions, the free end of the gage 5 also is effectively held by the member 22 against such outward springing of that end of the gage 5 as would otherwise

occur when work is being pushed against the saw and result in inaccuracy of the work. It is also possible to apply my improvement very conveniently, it only being necessary to substitute my new member 7 and apply the readily connectable supplementary support for the other end of the guide. Attention is also directed to the fact that when it is desired to use the gage 5 on small work, i. e. with the gage over the table, the lateral movement of the latter from an extended position into the desired position over the table automatically eliminates inconvenience resulting from a continuously projecting extension on that corner of the table. Further it will be noted that the support 21 is so located at a remote point that during such use of the support 7 on the table, this support 21 does not in any way interfere with normal use of the table. Also, the support 21 being removable, it is of course evident that when long continued operation on small work is contemplated, this support 21 may then be entirely removed very quickly and conveniently, and only replaced when it is again desired to operate on larger work. The improved attachment is also very inexpensive, my invention making it possible to continue to utilize the table 3, the screw 13, the operating member 14 therefor, the guide 5, and the screws 6 therefor of an existing saw table and gage mechanism of a standard, non-extensible type, and only requiring the substitution of a new plate 7 for the plate previously used and the provision of a new attachment including the members 16, 24, 21, and 22.

My invention, while not limited thereto, is of particular practical importance when applied to so-called bench saws of the power type. In such devices, a small table is ordinarily desirable. Further, to increase the width of the table, for example, by six inches, would substantially increase the cost of the device since the table is an expensive part of the structure. From the manufacturing angle also, it is desirable to standardize on a device of a given size. As a result, although usually such bench saws have sufficient power to handle larger work effectively, they are ordinarily furnished only in sizes adapted to small work. Further, the user who attempts to use them on larger work is unable to use the guide at all on certain classes of work, and when, by reversing the work, he attempts to utilize the guide on larger work, the results obtained are unsatisfactory. On the other hand, as a result of my improvement, and while retaining the table of a standard small size, the manufacturer is enabled to provide at small expense a device which is adapted not only to operate upon larger work, but also to operate upon it effectively, in fact more effectively than upon work of what may be called normal sizes, since springing of the

outer end of the guide, which would otherwise interfere with accuracy, is prevented by the member 22. These and other advantages of my improved construction will, however, be clearly apparent to those skilled in the art.

In Figure 5 I have shown a modified construction of the supplementary support shown in Figs. 1 and 4. In this construction, the member 16 and its connected parts are omitted and the rod 21 is screwed directly into the inclined edge 3' of the table 3. Obviously, this construction will function similarly to that previously described, although the same is not ordinarily preferred, since the same requires the drilling and tapping of a hole in the table edge to receive the rod and the location of the latter in a fixed position or the provision of a plurality of holes, while the construction shown in Fig. 4 requires no change in the table and enables the member 21 to be positioned at any desired point along the edge 3'.

While I have in this application specifically described two embodiments which my invention may assume in practice, it will be understood that the same are shown for purposes of illustration, and that the invention may be modified and embodied in various other forms without departing from its spirit or the scope of the appended claims.

What I claim as new and desire to secure by Letters Patent is:—

1. In a power tool, a rotating tool, a table having a guideway perpendicular to the plane of operation of said tool, a work guide adjustable relative to said guideway along one edge of said table and disposed parallel to said plane, supporting means for one end of said guide and adjustable in said guideway and disposable beyond an intersecting edge of said table, and supporting means for the opposite end of said guide extending beyond said intersecting edge of the table and relative to which said guide is adjustable.

2. In a power tool, a rotating tool, a table having a guideway perpendicular to the plane of operation of said tool, a work guide adjustable relative to said guideway along one edge of said table and disposed parallel to said plane, supporting means for one end of said guide adjustable in said guideway and disposable beyond an intersecting edge of said table, supporting means for the opposite end of said guide extending beyond said intersecting edge of the table and relative to which said guide is adjustable, and adjustable means for positioning said guide on said last mentioned supporting means.

3. In a power tool, an operating tool, a table having a guideway perpendicular to the plane of operation of said tool and within the limits of said table, a work guide adjustable relative to said guideway along one edge of said table and disposed parallel to said plane, supporting and positioning means for

one end of said guide adjustable in said guideway and disposable at will within the limits of said guideway or beyond an intersecting edge of said table, and supporting means for the opposite end of said guide extending beyond said intersecting edge of the table and relative to which said guide is adjustable.

4. In a power tool, an operating tool, a table having a guideway perpendicular to the plane of operation of said tool and within the lateral limits of said table, a work guide on said table and disposed parallel to said plane, and means for supporting said guide comprising a member adjustable in said guideway disposable within the lateral limits of the table and projectable from said guideway laterally beyond said limits and a co-operating guide supporting member carried by said table and projecting laterally beyond said limits.

5. In a power saw having a rotating blade and a table, a bracket adjustable along one edge of the table to project one end of said bracket beyond an intersecting edge of the table, a longitudinal gage member secured to said projecting end, and a clamp connected gage supporting rod connectable at will along said second mentioned edge and adjustable relative to its clamping means to maintain said rod substantially in the plane of the table.

6. In a power saw having a rotating blade and a table provided with a transverse guideway along one edge of the same and having a depending flange along an intersecting edge, a bracket adjustable in said guideway to project one end of said bracket beyond the intersecting edge of the table, a longitudinal gage member secured to said projecting end, and a clamp connected gage supporting rod connectable at will to said flange and adjustable relative to its clamping means to maintain said rod substantially in the plane of the table.

7. In a power saw having a rotating blade and a table provided with a transverse guideway along one edge of the same and having a depending flange along an intersecting edge, a bracket adjustable in said guideway to dispose said bracket beyond said intersecting edge of the table, a longitudinal gage member secured to said bracket at one end of said member, and a gage member supporting rod connectable to said flange and supporting the opposite end of said gage member.

8. In a power saw having a rotating blade and a table provided with a transverse guideway along one edge of the same and having a depending flange along an intersecting edge, a bracket adjustable in said guideway to dispose said bracket beyond said intersecting edge of the table, a longitudinal gage member secured to said bracket at one end of said

member, and a gage member supporting rod comprising a rod threaded into the flanged edge of said table and forming an extension of the table top.

9. In a power tool, an operating tool, a table having a guideway perpendicular to the plane of operation of said tool and within the limits of said table, a work guide adjustable relative to said guideway along one edge of said table and disposed parallel to said plane, supporting and positioning means for one end of said guide adjustable in said guideway and disposable at will within the limits of said guideway or beyond an intersecting edge of said table, supporting means for the opposite end of said guide extending beyond said intersecting edge of the table and relative to which said guide is adjustable, and adjustable abutment means for said guide on said last mentioned supporting means.

10. In a power saw having a rotating blade and a table having a guideway therein within the limits thereof, a rip gage adjustable relative to said table and said blade, means in said guideway for adjustably positioning said gage relative to said guideway having means connectable to the table and an elongated portion projectable beyond an edge of the table parallel to said blade and carrying said gage on the projecting end of said portion and parallel to said blade, and co-operating means for supporting the opposite end of said gage when beyond the edge of the table.

11. In a power saw having a rotating blade and a table having a guideway therein within the limits thereof, a rip gage adjustable relative to said table and said blade, means for adjustably positioning said gage in said guideway having means connectable to the table and an elongated portion projectable beyond an edge of the table parallel to said blade and carrying said gage on the projecting end of said portion and parallel to said blade, and co-operating means for supporting the opposite end of said gage when beyond the edge of the table, both of said last mentioned means having gage supporting means supporting the under surface of the gage in a plane substantially flush with the working surface of the table.

12. In a power saw having a rotating blade and a table having a guideway therein within the limits thereof, a rip gage adjustable relative to said table and said blade, means for adjustably positioning said gage in said guideway having means connectable to the table and an elongated portion projectable beyond an edge of the table parallel to said blade and carrying said gage on the projecting end of said portion and parallel to said blade, co-operating means for supporting the opposite end of said gage when beyond the edge of the table, and means for adjusting

the range of movement of said gage on said last mentioned means to accord with the adjustment of said first mentioned means.

13. In a power saw having a rotating blade and a table having a guideway therein within the limits thereof, a rip gage adjustable relative to said table and said blade, means for adjustably positioning said gage in said guideway having means connectable to the table and an elongated portion projectable beyond an edge of the table parallel to said blade and carrying said gage on the projecting end of said portion and parallel to said blade, co-operating means for supporting the opposite end of said gage when beyond the edge of the table, and means for adjusting the range of movement of said gage on said last mentioned means to accord with the adjustment of said first mentioned means comprising an adjustable abutment member engageable with the side of said gage most remote from the saw blade.

14. In a power tool having an operating tool and a table, a gage on said table, gage positioning means adjustable relative to the table and having an elongated gage supporting portion projectable at will beyond the edge of the table in certain positions of said gage and carrying said gage on the projecting end of said portion parallel to the plane of operation of said tool, and gage supporting means projecting beyond the edge of the table co-operating with said adjustable means and supporting the free end of said gage when the latter is beyond the edge of the table.

15. In a power tool having an operating tool and a table, a gage on said table, gage positioning means normally disposable within the limits of said table and adjustable relative to the table and having an elongated gage supporting portion projecting beyond the edge of the table in certain positions of said gage and carrying said gage on the projecting end of said portion parallel to the plane of operation of said tool, gage supporting means projecting beyond the edge of the table and co-operating with said adjustable means and the free end of said gage when the latter is beyond the edge of the table, and means for at will connecting said last mentioned means to the table or removing the same therefrom.

16. In a power saw having a rotating blade and a table, a rip gage adjustable relative to the latter and said blade, means for adjustably positioning said gage normally disposable within the limits of said table and having means connectable to the table and an elongated portion projectable beyond the edge of the table and carrying said gage on the projecting end of said portion parallel to said blade, co-operating means for supporting the opposite end of said gage when beyond the edge of the table, and means carrying said last mentioned means and support-

able at any point upon the edge of said table.

17. In a power tool having an operating tool and a table, a gage on said table, gage positioning means adjustable relative to the table and having a gage supporting portion projecting beyond the edge of the table in certain positions of said gage, co-operating means carried by said table and projecting beyond the edge of the latter having means supporting the free end of said gage when the latter is beyond the edge of the table, and means on said last mentioned means for adjusting the angle of said last mentioned means relative to the table.

18. A table extension attachment for power saw tables comprising an adjustable rip gage support having an elongated gage supporting portion adjustable on a table at right angles to the plane of operation of the saw and also having at its opposite ends means for connecting said support to a table and means for supporting one end of a gage, and a rip gage on the latter means disposable thereon both over a table and laterally beyond an edge of the table parallel to the plane of the saw.

19. A table extension attachment for power saw tables comprising an adjustable support for a rip gage disposable within the limits of a table and projectable at will beyond the edge thereof and having means at one end of the same for connecting said support to a table in any position, and a rip gage carried on the opposite end of said support adapted to be positioned by said first mentioned means when said gage is projected beyond the edge of a table.

20. The combination with a power saw, of a table therefor provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means laterally beyond one side of said table, means carried by said table for supporting the opposite end of said rip gage member when so disposed, and means for positioning said opposite end of the latter against outward lateral springing relative to said supporting means during use of the saw.

21. The combination with a power saw, of a table therefor provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end of said means and extending therefrom longitudinally of the table parallel to said saw, and disposable upon lateral adjustment of said means laterally beyond one side of said

- table, means carried by said table and projecting laterally beyond said side for supporting the opposite end of said rip gage member when so disposed, and means for positioning said opposite end of the latter against outward lateral springing relative to said supporting means during use of said saw when said gage member is disposed laterally beyond said side of the table.
22. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means either over said table or laterally beyond one side of the latter, means carried by said table for supporting the opposite end of said gage member when laterally beyond the table in the same plane as when over said table, and means for fixing said opposite end of said gage member in any position thereof on said supporting means against outward lateral movement relative to the latter during use of the saw.
23. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means either over said table or laterally beyond one side of the latter, means carried by said table and projecting laterally beyond said side for supporting the opposite end of said gage member when laterally beyond the table in the same plane as when over said table, and means for fixing said opposite end of said gage member when over said table or in any position of said member on said supporting means against outward lateral movement relative to the latter during use of the saw.
24. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means laterally beyond one side of said table, means carried by said table for supporting the opposite end of said gage member, and means for fixing said opposite end of said gage member in any position thereof on said supporting means against outward lateral movement relative to the latter during use of the saw comprising a gage holding member likewise adjustable at will along said supporting means and means for at will connecting or disconnecting said last mentioned member and said supporting means.
25. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end of said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means over said table or laterally beyond one side of the latter, means carried by said table and projecting laterally beyond said side for supporting the opposite end of said gage member, and means for fixing said opposite end of said gage member when over said table or in any position of said member on said supporting means against outward lateral movement relative to the latter during use of the saw comprising a gage holding member likewise adjustable at will along said supporting means, and means for at will connecting or disconnecting said last mentioned member and said supporting means.
26. The combination with a power saw having a table provided with a guideway perpendicular to the plane of operation of said saw, and gage adjusting means adjustable relative to said guideway and projectable beyond the end of said guideway and having a gage member parallel to said saw connected to the projecting end of said means at one end and having an opposite free end, of means carried by the table for preventing outward springing of the free end of said gage member.
27. The combination with a power saw having a table, and gage means adjustable relative thereto and beyond the edge of said table and having a gage member parallel to said saw connected to said means at one end and having an opposite free end, of means carried by the table for supporting the free end of said gage member when disposed laterally beyond the edge of the table having a support for the free end of said member and means for adjusting said support angularly relative to said table.
28. The combination with a power saw having a table provided with a guideway extending transversely of said saw, and gage means adjustable in said guideway relative thereto and beyond the edge of said guideway and table and having a gage member connected to said means at one end and having an opposite free end, of means carried by the table for supporting the free end of said gage member when disposed laterally beyond the edge of the table having a support for the free end of said member

both said gage means and support supporting said gage member in all positions of the latter substantially flush with the working surface of the table.

5 29. A gage supporting attachment for power saws comprising a clamping member having a portion engageable with one side of a depending saw table flange, means for positioning said member engageable with the
0 opposite side of said flange, and gage supporting means carried by said member and adjustable angularly about an axis on said member toward and from said flange.

5 30. A gage supporting attachment for power saws comprising a clamp having one portion engageable with a flange on a table, a member angularly adjustable about an axis on said clamp toward and from said flange, and a gage support carried by said last mentioned member and angularly adjustable
10 thereby.

5 31. A gage supporting attachment for power saws comprising a clamp having one portion engageable with a flange on a table, a member pivoted on said clamp and projecting upward from its pivot toward the top of said clamp, means acting between said member and clamp for adjusting the former about
0 its pivot, and a gage support carried by said member and adjustable thereby.

5 32. A gage supporting attachment for power saws comprising a clamp having one portion engageable with a flange on a table, a member pivoted on said clamp, means acting between said member and clamp for adjusting the former, and a gage support carried by said member, said clamp carrying a set screw above said pivot and said member
0 having an aperture therein permitting access to said screw.

5 33. In a power saw, a saw blade, a table, extension means for the latter including a guideway on said table and a bracket adjustable in said guideway transversely of said
5 blade along one edge of the table and movable to project one end of said bracket beyond an intersecting edge of the table, a longitudinal gage member secured to said projecting end and movable therewith, and co-
0 operating extension means comprising a gage supporting rod carried by said table and projecting laterally therefrom providing a sliding support for the free end of said gage
5 member, said first mentioned extension means being disposable at will wholly within the limits of the table, and said last mentioned extension means being removable at will.

In testimony whereof I affix my signature

0 CHARLES A. ULRICH.

DISCLAIMER

1,896,924.—*Charles A. Ulrich*, Hartford, Conn. TABLE FOR SAWS OR THE LIKE. Patent dated February 7, 1933. Disclaimer filed October 8, 1934, by the assignee, *Delta Manufacturing Company*.

Hereby enters this disclaimer to those claims in said specification which are in the following words, to wit:

"1. In a power tool, a rotating tool, a table having a guideway perpendicular to the plane of operation of said tool, a work guide adjustable relative to said guideway along one edge of said table and disposed parallel to said plane, supporting means for one end of said guide and adjustable in said guideway and disposable beyond an intersecting edge of said table, and supporting means for the opposite end of said guide extending beyond said intersecting edge of the table and relative to which said guide is adjustable.

"2. In a power tool, a rotating tool, a table having a guideway perpendicular to the plane of operation of said tool, a work guide adjustable relative to said guideway along one edge of said table and disposed parallel to said plane, supporting means for one end of said guide adjustable in said guideway and disposable beyond an intersecting edge of said table, supporting means for the opposite end of said guide extending beyond said intersecting edge of the table and relative to which said guide is adjustable, and adjustable means for positioning said guide on said last mentioned supporting means."

"10. In a power saw having a rotating blade and a table having a guideway therein within the limits thereof, a rip gage adjustable relative to said table and said blade, means in said guideway for adjustably positioning said gage relative to said guideway having means connectable to the table and an elongated portion projectable beyond an edge of the table parallel to said blade and carrying said gage on the projecting end of said portion and parallel to said blade, and co-operating means for supporting the opposite end of said gage when beyond the edge of the table."

"14. In a power tool having an operating tool and a table, a gage on said table, gage positioning means adjustable relative to the table and having an elongated gage supporting portion projectable at will beyond the edge of the table in certain positions of said gage and carrying said gage on the projecting end of said portion parallel to the plane of operation of said tool, and gage supporting means projecting beyond the edge of the table co-operating with said adjustable means and supporting the free end of said gage when the latter is beyond the edge of the table."

"20. The combination with a power saw, of a table therefor provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means laterally beyond one side of said table, means carried by said table for supporting the opposite end of said rip gage member when so disposed, and means for positioning said opposite end of the latter against outward lateral springing relative to said supporting means during use of the saw.

"21. The combination with a power saw, of a table therefor provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end of said means and extending therefrom longitudinally of the table parallel to said saw, and disposable upon lateral adjustment of said means laterally beyond one side of said table, means carried by said table and projecting laterally beyond said side for supporting the opposite end of said rip gage member when so disposed, and means for positioning said opposite end of the latter against outward lateral springing relative to said supporting means during use of said saw when said gage member is disposed laterally beyond said side of the table.

"22. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means either over said table or laterally beyond one side of the latter, means carried by said table for supporting the opposite end of said gage member when laterally beyond the table in the same plane as when over said table, and means for fixing said opposite end of said gage member in any position thereof on said supporting means against outward lateral movement relative to the latter during use of the saw.

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"23. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means either over said table or laterally beyond one side of the latter, means carried by said table and projecting laterally beyond said side for supporting the opposite end of said gage member when laterally beyond the table in the same plane as when over said table, and means for fixing said opposite end of said gage member when over said table or in any position of said member on said supporting means against outward lateral movement relative to the latter during use of the saw.

"24. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end to said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means laterally beyond one side of said table, means carried by said table for supporting the opposite end of said gage member, and means for fixing said opposite end of said gage member in any position thereof on said supporting means against outward lateral movement relative to the latter during use of the saw comprising a gage holding member likewise adjustable at will along said supporting means and means for at will connecting or disconnecting said last mentioned member and said supporting means.

"25. The combination with a power saw, of a table provided with a guideway perpendicular to the plane of operation of said saw, gage carrying and positioning means adjustable laterally along said guideway, a rip gage member connected at one end of said means and extending therefrom longitudinally of the table parallel to said saw and disposable upon lateral adjustment of said means over said table or laterally beyond one side of the latter, means carried by said table and projecting laterally beyond said side for supporting the opposite end of said gage member, and means for fixing said opposite end of said gage member when over said table or in any position of said member on said supporting means against outward lateral movement relative to the latter during use of the saw comprising a gage holding member likewise adjustable at will along said supporting means, and means for at will connecting or disconnecting said last mentioned member and said supporting means."

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