July 29, 1930. H. J. ALTNOW 1,771,831

TABLE

Filed March 10, 1928

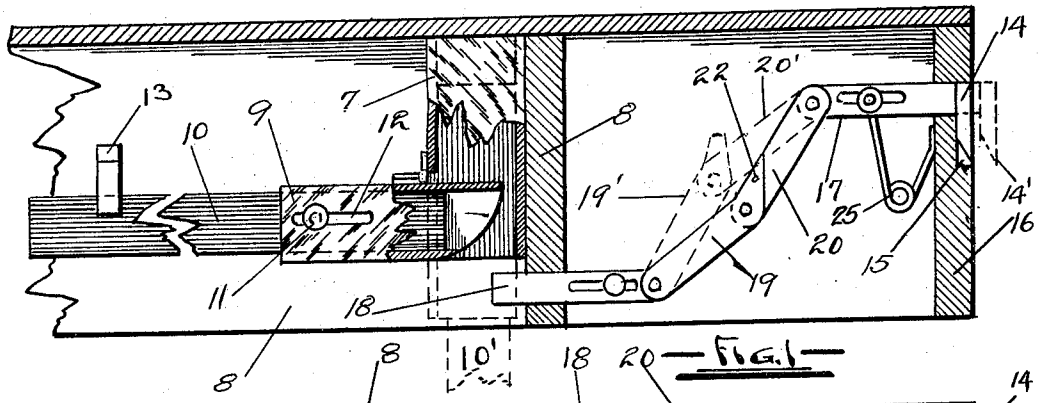


FIG. 1

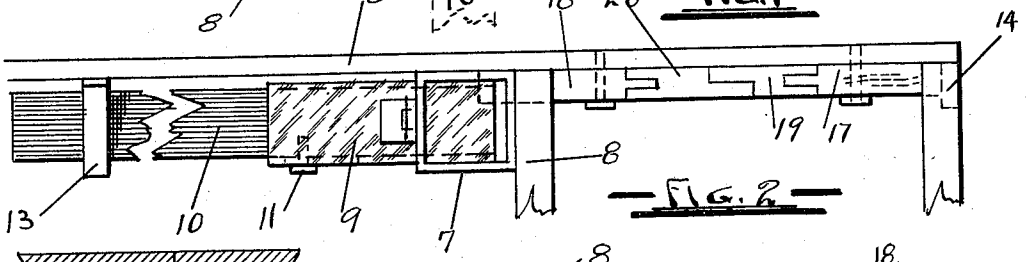


FIG. 2

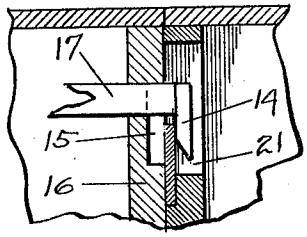


FIG. 6

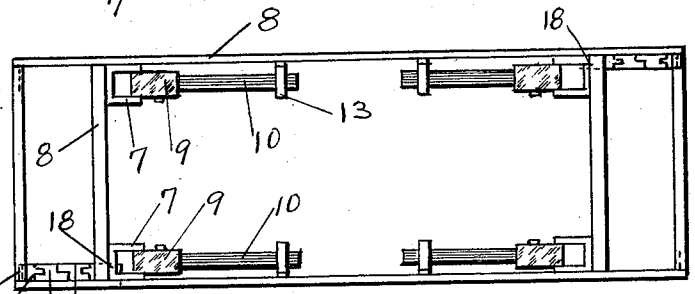


FIG. 3

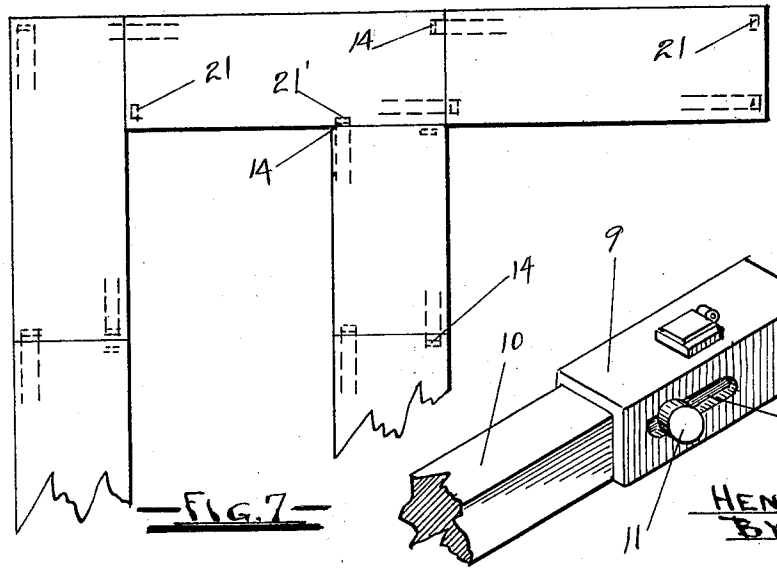


FIG. 7

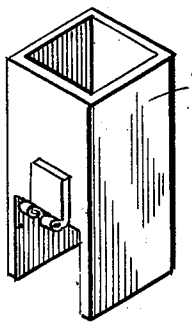


FIG. 4

FIG. 5

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UNITED STATES PATENT OFFICE

HENRY J. ALTNOW, OF PORTLAND, OREGON

TABLE

Application filed March 10, 1928. Serial No. 260,692.

My invention relates to tables in general, and particularly to tables of the folding type, the object being to provide a table that will fold up compactly to stack with other tables of similar construction when not in use, that is easily and quickly set up for use, and also to provide means whereby such tables may be joined together for use at banquets and other social occasions. I accomplish this object by means of the construction illustrated in the accompanying drawing, which is a part of this application for Letters Patent, like characters of reference indicating like parts throughout the several views thereof, and in which:

Fig. 1 is a sectional elevation of one corner of a table embodying my invention.

Fig. 2 is a plan view of the same with the table top removed.

Fig. 3 is a plan view of a table turned over and ready to stack with others.

Fig. 4 is a perspective view of the table leg socket.

Fig. 5 is a perspective view of the table leg end that coacts with the socket.

Fig. 6 is a fragmentary sectional view showing the table joining means.

Fig. 7 is a plan view of several tables joined in one of the many arrangements in common use at social affairs.

In general my invention consists of a table having sockets to receive legs, legs telescopically mounted in end members which are hinged to said sockets and which in one position thereof allow said legs to be projected into said sockets, means to fasten the tables in desired arrangements one to another, and means to operate said fastening means from said legs.

Upon each side of the table, and spaced from the ends thereof I provide sockets 7 secured in any suitable manner to the table frame members 8. Hinged to each of said sockets I provide end members 9 for the legs 10. Said legs are telescopically slidable in said end members, and are prevented from being removed therefrom by pins 11 upon the legs sliding in slots 12 in the end members, as shown in Fig. 5. Clips 13 hold the legs in folded position when the table is not in use. To set up the table each leg end member is moved upon its hinge until the leg therein is in alinement with the socket 7 when the leg is projected into the socket to the upper end thereof, thus securing the leg from any movement until it is withdrawn from the socket. This makes a very substantial leg.

In hotels where such tables are used in great numbers it is desirable to have means of fastening the tables together in various arrangements, and such means should be such as not to require manual operation which takes time, but still such means should not extend beyond the table when a table is to be used singly. This is conveniently accomplished by having an attaching means which is set into operating position by the act of setting the table leg in position for use, and which will be removed from operating position when the table leg is folded for stacking the tables.

I accomplish this by providing each table with two hooks 14 disposed within notches 15 in the table end member 16. Each of said hooks is provided with a stem 17, and a spring 25 cooperating with said stem and said table end member 16 retains the hook 14 within its notch 15 when the table is not in use. A thrust member 18 is mounted slidably in the table member 8 with an end thereof projecting through said table member into a position such that it will be contacted with by the leg when the latter is placed in position for use. Links 19 and 20 connect the stem 17 and the thrust member 18 so that movement of the latter results in movement of the former, when therefore, a leg 10 is placed in position for use as shown in dotted lines at 10′ in Fig. 1 the hook 14 will be projected beyond the table as shown in dotted lines at 14′ in Fig. 1. In this position the hook is ready for insertion into a pocket 21 in the end of an adjoining table and thus fasten the tables together, as shown in detail in Fig. 6. There is one of such hooks and one of such pockets upon each table end, positioned right and left, so that the hooks will line up with the pockets without attention of those placing the tables in position. Pockets may also be placed upon the sides of the tables as shown in Fig. 7 at 21′ so that

tables may be fastened together in various arrangements.

Where it is intended to use only a single table the projection of the hooks 14 is objectionable, so I provide the links 19 and 20 with a jack knife arrangement secured in operating position by a pin 22. When a table is to be used single the links 19 and 20 are placed in positions 19′ and 20′ shown by dotted lines in Fig. 1, then the placing of the leg 10 in position for use will not affect the hook 14, which will remain within its pocket 15.

My invention may be made of any size, and constructed of any materials deemed convenient and suitable in a device of this character, and while I have illustrated and described a form of construction and arrangement of parts found desirable in materializing my invention, I wish to include in this application all mechanical equivalents and substitutes that may fairly be considered to come within the scope and purview of my invention as defined in the appended claims.

Having disclosed my invention so that others may be enabled to construct and to use the same, what I claim as new, and desire to secure by Letters Patent is:

1. In a table: a foldable leg; a hook to secure the table to another table; a stem upon said hook; a thrust member in the path of the movement of said leg; and members connecting said stem and said thrust member.

2. In a table: a foldable leg; a hook to secure the table to another table; a stem upon said hook; a thrust member in the path of the movement of said leg; linked members connecting said stem and said thrust member; and mechanism for placing said linked members out of operating position when desired.

In witness whereof I claim the foregoing as my own I hereunto affix my signature at Portland, county of Multnomah, State of Oregon, this 9th day of March, 1927.

HENRY J. ALTNOW.