P. A. PEER.

FOLDING TABLE STANDARD.

APPLICATION FILED DEC. 22, 1915.

1,222,457. Patented Apr. 10, 1917.

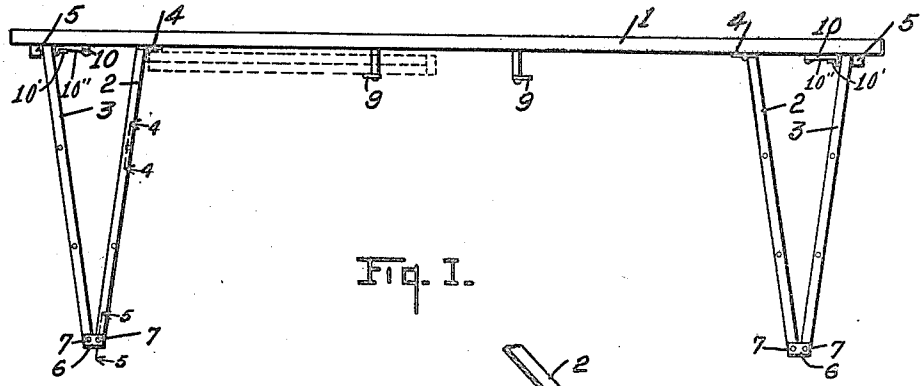


Fig. I.

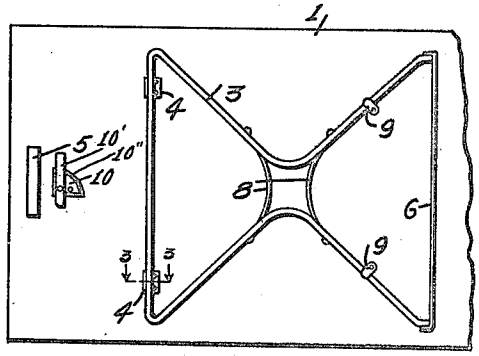


Fig. II.

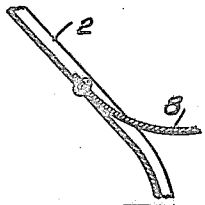


Fig. IV.

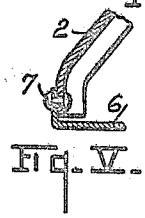


Fig. V.

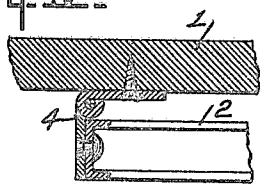


Fig. III.

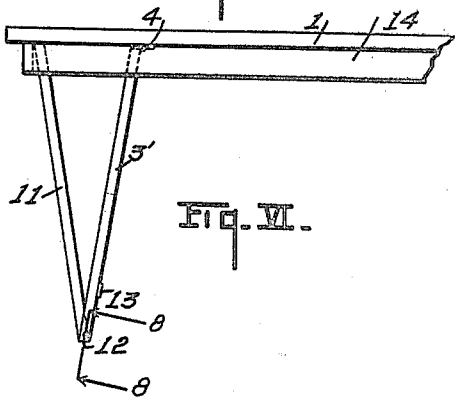


Fig. VI.

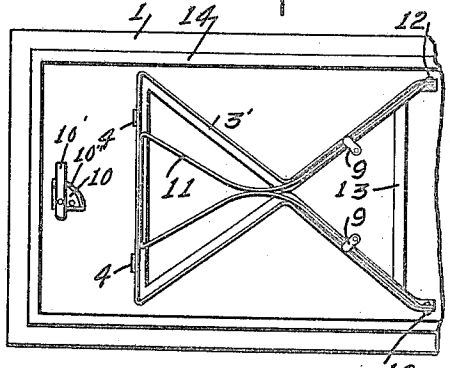


Fig. VII.

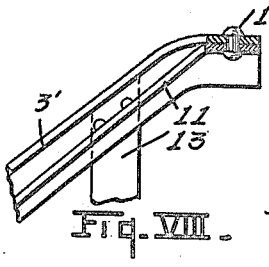


Fig. VIII.

WITNESSES:

P. M. Pomroy

Lenn Gilman

INVENTOR

Perry A. Peer

BY

Chappell & Earl

ATTORNEYS

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

PERRY A. PEER, OF COMSTOCK, MICHIGAN.

FOLDING TABLE-STANDARD.

1,222,457. Specification of Letters Patent. Patented Apr. 10, 1917.

Application filed December 22, 1915. Serial No. 68,117.

To all whom it may concern:

Be it known that I, PERRY A. PEER, a citizen of the United States, residing at Comstock, county of Kalamazoo, State of Michigan, have invented certain new and useful Improvements in Folding Table-Standards, of which the following is a specification.

This invention relates to improvements in folding table standards.

It is quite common practice to support the tops of banquet tables, portable tables and other long tables by means of horses which, when not in use, require considerable space for storage, and when the horses are made collapsible it not infrequently happens that they are accidentally collapsed when in use.

It is the main object of my invention to provide an improved standard for tables of the class described, which is strong, rigid and secure when erected and one which may be compactly collapsed against the under side of the table.

A further object is to provide an improved standard or support for table tops, having these advantages, which can be conveniently and quickly collapsed or erected.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure I is a side elevation of a structure embodying the features of my invention, one of the standards being shown in collapsed form by dotted lines.

Fig. II is an inverted detail showing one of the standards collapsed against the table top.

Fig. III is an enlarged detail section on a line corresponding to line 3—3 of Fig. II, showing the hinge connection for the standard to the table top.

Fig. IV is an enlarged detail section on a line corresponding to line 4—4 of Fig. I, showing structural details of the standard members.

Fig. V is a detail section on a line corresponding to line 5—5 of Fig. I, showing further structural details of the standard.

Fig. VI is a detail side elevation showing a modified form of collapsible standard.

Fig. VII is an inverted detail of the structure shown in Fig. VI in collapsed position.

Fig. VIII is a detail section on a line corresponding to line 8—8 of Fig. VI.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, the structural details of the table top 1 are not illustrated as they form no part of my present invention. The standard members 2 and 3 comprise uprights connected by top cross pieces. The uprights and top cross pieces are preferably formed of channel iron in order to secure the required strength and still retain the advantage of lightness. The uprights and cross pieces are preferably formed integrally, as illustrated. The uprights are preferably converged toward the center as shown most clearly in Figs. II and VII, in order to provide knee or leg room below the table. The uprights are connected by the pivots 7 to the upturned ends of the base piece 6. The pivots are disposed so that the standard members are connected side by side and may be collapsed upon each other, as shown by dotted lines in Fig. I, and against the under side of the table top or their upper ends spread apart when erected, as shown by full lines in Fig. I.

The top piece of one standard member is secured to the under side of the table top by means of the hinges 4. A stop 5 is provided for the other standard member positioned to support the standard members with their tops separated. The standard is retained in its erected position by means of the catch 10′ pivoted on the plate 10 to be swung over the top piece when it is in position against the stop 5. The plate 10 is provided with a cam 10″ on which the outer end of the catch rides when it is swung to engaging position so that the catch is clamped upon the top piece securely holding the standard in its erected position. When the catch 10′ is disengaged the upper ends of the standard members may be swung together and the standard thus collapsed swung against the under side of the table and retained by the buttons 9. The uprights of the standard are preferably connected by cross pieces or

braces 8 disposed at the adjacent central portions thereof.

In the modification shown in Figs. VI, VII and VIII the table top is provided with a frame 14. The standard member 3′ is formed of angle iron, while the standard member 11 is formed of a flat bar and is adapted to collapse into the standard member 3′. The base 6 is omitted in this modification, the lower ends of the uprights of the standard members 3′ and 11 being directly connected to each other by pivots 12. The cross pieces of the top frame 14 serve as stops or supports for the angle members 11.

I have illustrated my improved table support or standard in the form in which I have embodied the same in use. I have not attempted to illustrate or describe certain modifications which I contemplate as being desirable under certain conditions as I believe the disclosure made will enable those skilled in the art to which this invention relates to embody or adapt the same as conditions may require.

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

1. The combination with a table top, of a pair of standard members comprising uprights connected at their upper ends by top pieces formed integrally therewith, a base piece having upturned ends to which the lower ends of said uprights are pivotally connected side by side so that said standard members may be collapsed upon each other or their upper ends spread apart, a hinge connecting the top piece of one standard member to the under side of the table top so that the standard may be collapsed and swung against the under side of the table top, a stop for the top piece of the other standard member positioned to support the standard in its erected position with the top piece against the under side of the table, a pivoted catch adapted to engage such top piece when positioned against said stop, and a plate on which said catch is pivoted provided with a cam acting on said catch as it is swung to engaging position clamping it upon said top piece.

2. The combination with a table top, of a pair of standard members comprising uprights connected at their upper ends by top pieces formed integrally therewith, said uprights being converged toward the centers thereof, braces connecting the adjacent central portions of said uprights, a base piece having upturned ends to which the lower ends of said uprights are pivotally connected side by side so that said standard members may be collapsed upon each other or their upper ends spread apart, a hinge connecting the top piece of one standard member to the under side of the table top so that the standard may be collapsed and swung against the under side of the table top, and means on said table top engaging the top piece of the other standard member whereby the standard is supported in its erected position.

3. The combination with a table top, of a pair of standard members comprising uprights connected at their upper ends by top pieces formed integrally therewith, a base piece having upturned ends to which the lower ends of said uprights are pivotally connected side by side so that said standard members may be collapsed upon each other or their upper ends spread apart, a hinge connecting the top piece of one standard member to the under side of the table top so that the standard may be collapsed and swung against the under side of the table top, and means on said table top engaging the top piece of the other standard member whereby the standard is supported in its erected position.

4. The combination with a table top, of a pair of standard members comprising uprights connected at their upper ends by top pieces, said uprights being pivotally connected at their lower ends so that the standards may be collapsed upon each other or their upper ends spread apart, a hinge connection for the top piece of one standard with the under side of the table top so that the standard may be collapsed against the under side thereof, a stop for the top piece of the other standard member positioned to support the standard in its erected position with the top piece against the under side of the table, said stop and hinge being positioned so that the lower ends of the uprights lie in a plane centrally between their upper ends when the standards are erected, a pivoted catch adapted to engage such top piece when positioned against said stop, and a plate on which said catch is pivoted provided with a cam acting on said catch as it is swung to engaging position clamping it upon said top piece.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

PERRY A. PEER. [L. S.]

Witnesses:
LUELLA G. GREENFIELD,
MARGARET L. GLASGOW.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."