Feb. 10, 1931. G. E. TOMLINSON 1,792,406

TAKEDOWN TABLE

Filed May 2, 1929

Fig. 1.

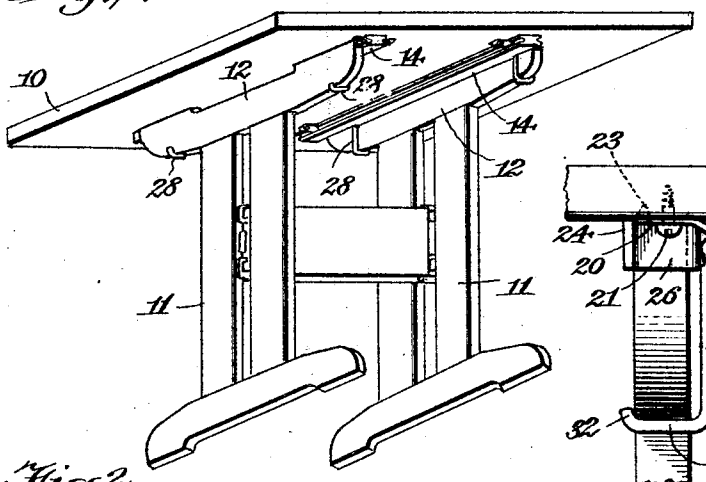


Fig. 5.

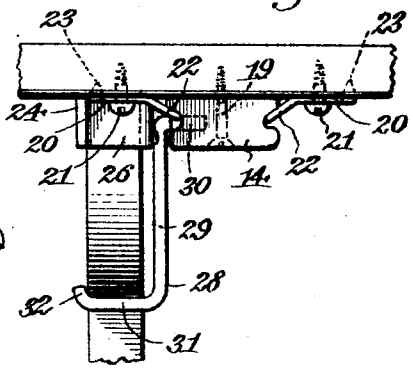


Fig. 2.

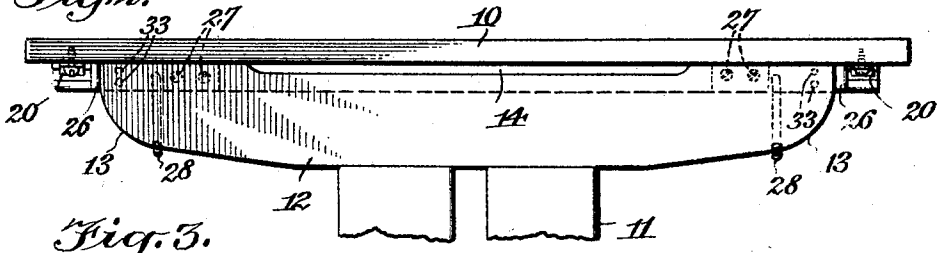


Fig. 3.

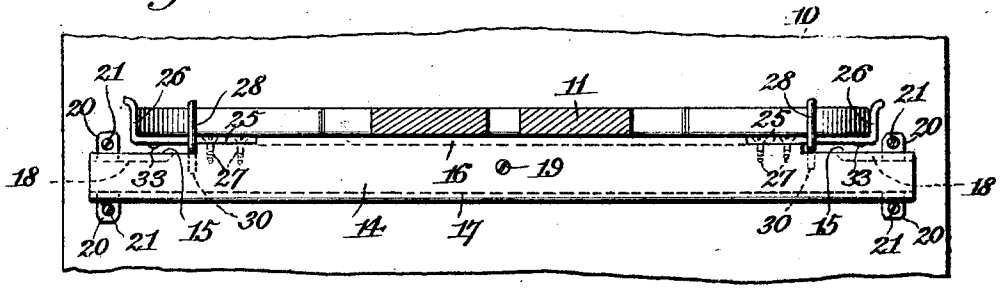


Fig. 4.

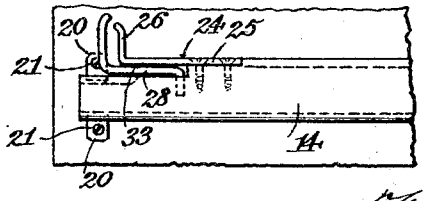
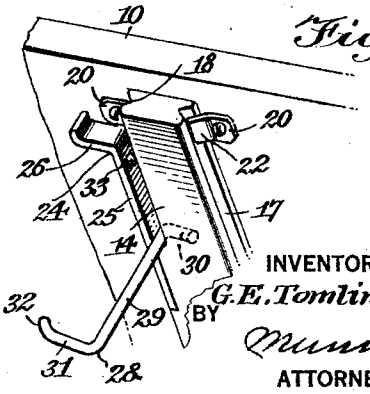


Fig. 7.



Fig. 6.



WITNESSES

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Patented Feb. 10, 1931 1,792,406

UNITED STATES PATENT OFFICE

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TAKEDOWN TABLE

Application filed May 2, 1929. Serial No. 359,926.

This invention relates to the class of takedown or collapsible tables, such as those disclosed in United States Letters Patents No. 1,395,166, No. 1,448,642, and No. 1,527,094, granted to me.

The principal object of the invention is the provision of improvements in a table of the indicated character, whereby the top and its supporting legs or pedestals may be quickly and easily fastened together, or likewise be separated or detached from each other.

Another object of the invention is the provivsion of battens for the table top, which are fastened in a novel manner, to allow for expansion or contraction of both the top and the battens.

With the foregoing and other objects in view, the invention resides in the particular provision, combinations and arrangements of the parts hereinafter fully described and illustrated in the accompanying drawing, in which

Figure 1 is a perspective view of a table embodying the features of the invention.

Fig. 2 is a side view showing the top of the table, and the upper portion of one of the pedestals thereof.

Fig. 3 is an inverted plan view of the parts shown in Fig. 2.

Fig. 4 is a bottom plan view of a portion of the table top, and one end of one of the battens and its associated parts.

Fig. 5 is a view looking toward one end of one of the battens and the related pedestal, and further illustrating the manner in which the batten is secured to the table top, and also the manner in which the pedestal and top are fastened together.

Fig. 6 is a fragmentary perspective view of the end of one of the battens, as applied to the table top, together with the pedestal retaining elements.

Fig. 7 is a perspective view of one of the batten clips.

The present invention contemplates the provision of improved features to be hereinafter described in combination with the top of a table and the supporting legs or pedestals, for the purpose of detachably connecting the top with the legs or pedestals. The said legs or pedestals are also detachably connected with each other by means forming no part of the present invention.

Referring now more particularly to the several views of the drawing, it will be apparent that there is shown a table consisting of a top 10 and a supporting structure consisting of detachably connected legs or pedestals 11. The pedestals 11 are similar in construction, and each has an upper rigid member 12 whose opposite ends are rounded as at 13 for a purpose to appear. Battens 14 are secured to the under side of the top 10, and are arranged in parallel relationship with respect to each other. Each batten 14 has each end thereof cut away as at 15 at the inside thereof. There are grooves 16, 17 and 18 in the opposite side edges of each batten 14, which extend longitudinally thereof. Each batten 14 is secured to the top 10 by a screw 19 disposed centrally of the batten, and metal clips 20. A pair of the clips 20 is associated with each end of the batten. Each clip 20 is secured to the top by a screw 21, and has an angularly disposed end 22 projecting into the particular groove in the batten. Each clip 20 has burrs 23 which are impaled in the top 10 to prevent the clip from turning on its screw. It will now be understood that each batten 14 being attached in the manner set forth will allow for expansion or contraction of both the top 10 and the batten itself, due to the fact that the batten is secured at a central point between its ends, and that the ends may have movement with respect to the clips 20, or the clips may have movement relatively to the batten, which might be necessary in the event of the expansion or contraction of the top 10 and batten 14.

One of the pedestals will be associated with each batten 14 in contact with the under side of the top 10. In order to properly locate the pedestal with respect to the related batten 14, and to prevent the pedestal from having endwise movement with respect to the batten, there are provided attachments 24. Each attachment is substantially L-shaped and therefore presents a member 25 and a member 26 disposed substantially at a right angle with

respect to the member 25. One attachment is secured to the batten 14 on the inside thereof near each end. The member 25 of each attachment is countersunk so that it will lie flush with the inside face of the batten and has holes to receive screws 27 which are driven into the batten. The members 26 of the attachments 24 constitute abutments which confront the opposite ends of the rigid member 12 of the related pedestal. Each member 25 will be spaced from the adjacent batten end, due to the fact that it is cut away as at 15.

In order to hold each pedestal 11 in contact with the top 10, its related batten 14 and abutments 26, the batten has associated therewith holders or retaining elements 28, there being one at each end of the batten. Each holder is made of a single piece of cross sectionally round metal stock bent upon itself to provide an intermediate portion 29, integral arbor 30 at one end of said portion 29, and an integral right angularly disposed holding portion 31 on the opposite end thereof, said portion 31 having a curved terminal 32. One holder 28 is associated with each attachment 24 and is mounted for pivotal movement. This is accomplished by extending the arbor 30 into a bore in the batten, consequently the portion 29 of the holder will be disposed between the member 25 of the attachment 24 and the adjacent side edge of the batten. It will be apparent that when the pdestals 11 are set in place in contact with the related battens 14, the top 10 and the abutments 26, the holders 28 of each batten may be swung downwardly into engagement with the related rigid member 12, due to the fact that said member 12 is rounded as at 13. The holders 28 will be in fact frictionally engaged with the member 12, and in this manner will fasten the pedestal 11 to the top 10, as shown most clearly in Figs. 1, 2 and 5. The terminals 32 of the holders prevent any lateral movement of the pedestal. The holders 28 may be readily swung to inactive positions for the purpose of detaching the pedestals.

In accordance with another feature of the invention, the member 25 of each attachment 24 has a pair of projections 33 which cooperate to retain the associated holder 28 in the inactive postion. This is possible due to the fact that the holder will be made of metal, consequently its portion 29 will have a certain amount of flexibility in order to allow the portion 29 of the holder to be moved into and out of engagement with the projections 33. It is also obvious that each holder will be applied to the batten before applying the related attachment 24, and that the latter serves to hold the former against displacement.

I claim:

1. A take-down table having the combination of a top, a separate supporting structure for the top, battens secured to said top on the underside thereof, attachments fixedly secured to the opposite ends of each batten, said attachments being engageable with the opposite ends of an upper part of said supporting structure, holders having pivotal connection with each batten, there being one holder associated with each attachment and the latter preventing the separation of the holder from the batten, said holders thus arranged being engageable with the opposite ends of said upper part of the supporting structure, said battens, attachments and holders serving to detachably secure said supporting structure to said top.

2. A take-down table having the combination of a top, a separate supporting structure for the top, battens secured to said top on the underside thereof, attachments fixedly secured to the opposite ends of each batten, said attachments being engageable with the opposite ends of an upper part of said supporting structure, holders having pivotal connection with each batten, there being one holder associated with each attachment and the latter preventing the separation of the holder from the batten, said holders thus arranged being engageable with the opposite ends of said upper part of the supporting structure, said battens, attachments and holders serving to detachably secure said supporting structure to said top, and coacting means on each attachment and its related holder to releasably retain the holder in an inactive position.

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