

H. E. WEBB.
BOX.
APPLICATION FILED NOV. 25, 1911.

1,039,619.

Patented Sept. 24, 1912.

3 SHEETS—SHEET 1.

Fig. 1.

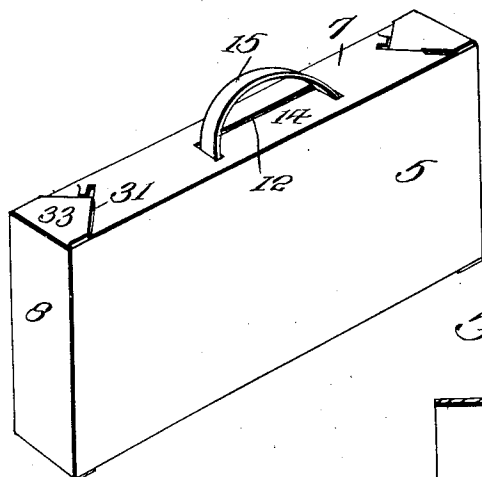


Fig. 2.

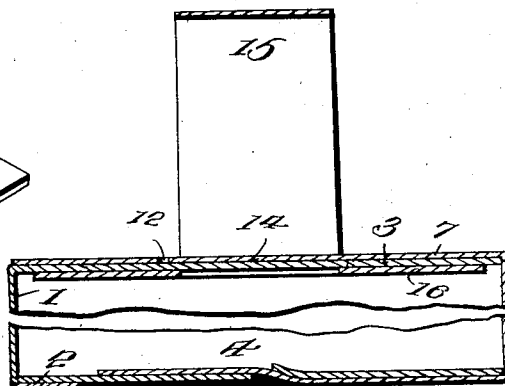


Fig. 4.

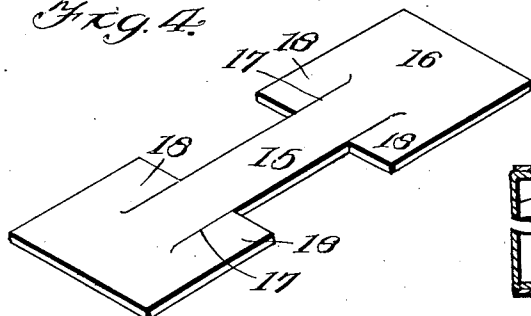
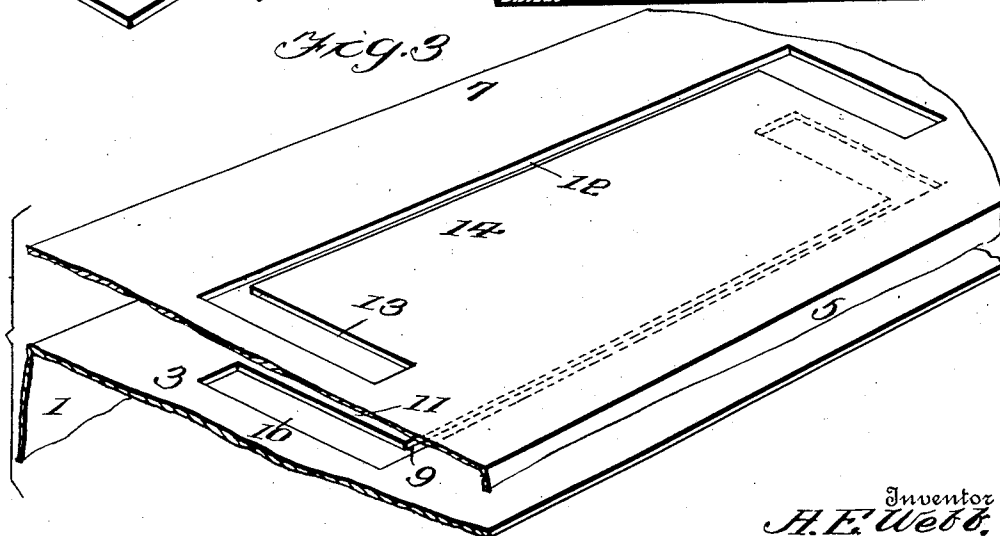


Fig. 3.



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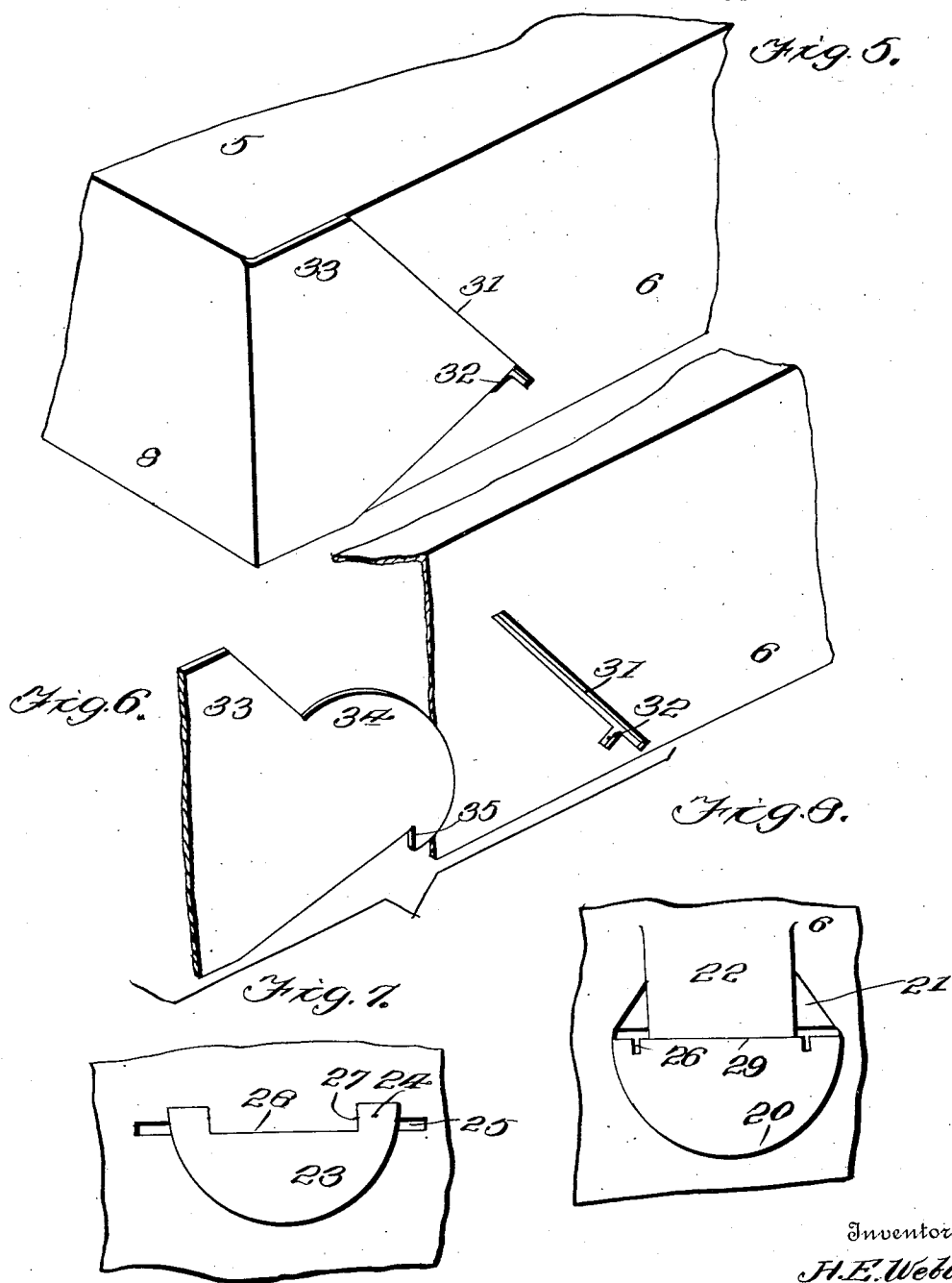
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3 SHEETS—SHEET 2.



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3 SHEETS-SHEET 3.

1,039,619.

Fig. 9.

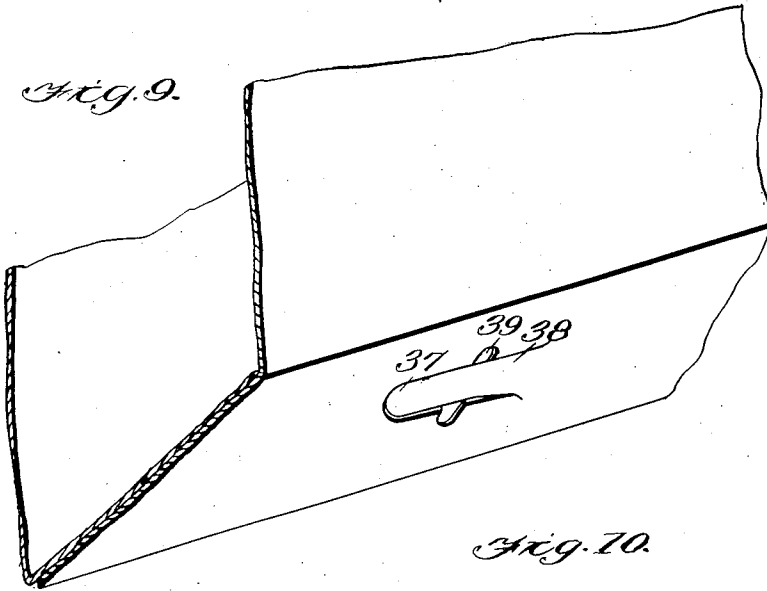


Fig. 10.

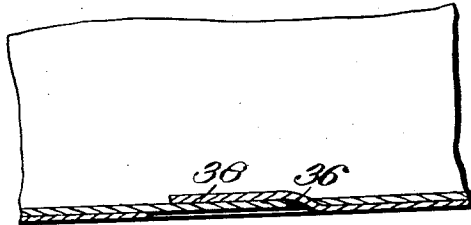


Fig. 11.

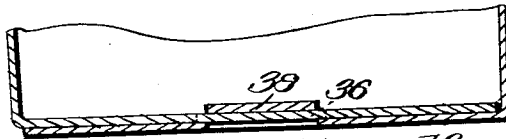
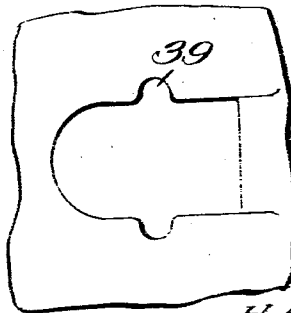
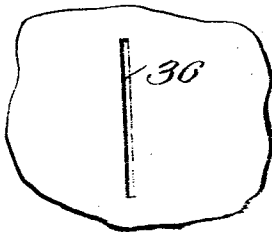


Fig. 13.

Fig. 12.



Attest:

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UNITED STATES PATENT OFFICE.

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BOX.

1,039,619.

Specification of Letters Patent.

Patented Sept. 24, 1912.

Application filed November 25, 1911. Serial No. 662,513.

To all whom it may concern:

Be it known that I, HARRY E. WEBB, citizen of the United States, residing at Tonawanda, in the county of Erie and State of New York, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

This invention relates to boxes and more particularly to boxes such as are used by clothiers, tailors, and other merchants in boxing suits of clothes and other wearing apparel.

It is one aim of the invention to provide a box of this type which will not require the use of twine for the purpose of holding the cover in place, and which will embody a handle by means of which it may be readily carried.

To this end, the invention contemplates providing a locking device at one side of the box, which side is the bottom when the body and cover of the box are properly assembled, designed to hold the body and cover against separation at this side of the box, and the provision, at the upper or opposite side of the box, of a handle adapted to be readily assembled with the body and cover at the said side, and when assembled, designed to hold the cover against separation from the body.

Another aim of the invention is to provide a box of this type with a handle which is primarily disconnected from the box and may be readily assembled therewith at the time the box is set up for use. The handle is furthermore initially flat and will consequently not add to the bulk of the folded box blanks when they are in flat condition.

For a full understanding of the invention reference is to be had to the following description and accompanying drawing, in which:—

Figure 1 is a perspective view of the box embodying the present invention. Fig. 2 is a vertical transverse sectional view illustrating the manner in which the handle of the box is assembled with the body and cover thereof and also illustrating the manner of connecting the cover and body of the box at the bottom thereof. Fig. 3 is a detail perspective view illustrating the construction of the upper sides of the body and cover of the box to permit of the ready assembly of the handle with the box. Fig. 4 is a perspective view of the handle detached from the box and in its initial condition.

Fig. 5 is a perspective view of one corner of the box illustrating the fastening means provided therefor. Fig. 6 is a similar view but showing the elements of the fastening device disassembled. Fig. 7 is a horizontal sectional view showing the fastening means in plan. Fig. 8 is a fragmentary bottom plan of the box. Fig. 9 is a perspective view illustrating a slightly modified form of fastener for the bottom of the box. Fig. 10 is a vertical longitudinal sectional view illustrating this form of fastening means. Fig. 11 is a vertical transverse sectional view. Fig. 12 is a fragmentary plan view of the bottom of the body of the box. Fig. 13 is a similar view but showing the bottom of the cover.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawing by the same reference characters.

In the drawing, the body of the box is indicated by the numeral 1 and this body includes a bottom which is indicated by the numeral 2 and a top which is indicated by the numeral 3, the end-walls of the body being indicated by the numeral 4.

The cover of the box is indicated by the numeral 5 and has a bottom wall 6 and a top 7, and this cover includes ends 8. As illustrated, the body and cover are rectangular and the cover fits telescopically over the body as is usual in boxes of this type.

As before stated, the invention contemplates the provision of a handle by means of which the box may be readily carried, and in adapting the box for the assembly of this handle therewith, the top 3 of the body 1 is formed with a slit 9 which extends parallel to the free edge of this side of the body and which terminates in relatively wide incisions 10 extending at right angles to the slit 9 in the direction of the other edge of the said top, in the manner illustrated in Fig. 3 of the drawings. These incisions 10 terminate short of the said edge of the side 3, however, and the formation of the slit 9 and the said slits or incisions 10 results in a tongue 11 projecting toward the free edge of the said side 3 of the body. In a like manner, the top 7 of the cover 5 of the box is formed with a slit 12 which extends parallel to the free edge of the said side of the cover and which terminates in slits or incisions 13, the slit 12 corresponding to the slit 9 and the slits or incisions 13 corresponding

to those indicated by the numeral 10. The formation of the slits 12 and 13 results in a tongue 14 which extends toward the free edge of the said side of the cover. By referring to Figs. 2 and 3 of the drawing, it will be observed that when the cover is in place upon the body of the box, the incisions 10 and 13 will register, the tongue 14 will overlap the tongue 11, the slit 9 will register with the base of the tongue 14, and the slit 12 will register with the base of the tongue 11.

The handle above mentioned is formed from a blank of stout material and includes a grip-portion 15 and end or terminal portions 16, these latter portions being slit as at 17 in a line with the lateral edges of the grip-portion 15 so as to form pairs of tongues 18, one pair being located at each end of the said grip-portion and the tongues of each pair extending at opposite sides of the said portion.

In assembling the handle, above described, and shown in Fig. 4 of the drawing, with the box and cover, the handle is placed beneath the top of the box and moved laterally into engagement with the tongue 11, said tongue being depressed so as to pass under the grip portion 15 and over the tongues 18 of the handle, the grip portion passing through the slit 9 and into engagement with the slits 10. The broadened end portions 16 of the handle will then extend beneath those portions of the top 3 of the body of the box immediately beyond the incisions 10 and the tongues 18 will project beneath adjacent portions of the said top adjacent the base and free edge of the tongue 11, it being understood that the grip-portion 15 of the handle is of a width substantially equal to the length of the incisions 10 or the incisions 13 and the end portions 16 preferably equal in width to the width of the top 3. When the cover is assembled with the body of the box, the top wall 7 thereof is moved laterally over the handle and the tongue 14 is depressed slightly so that the grip-portion 15 may pass through the slit 12 from below and over the tongue 14 which then overlaps the tongue 11. Thus, not only is the handle so assembled with the box that it will serve as a means whereby the box may be carried, but also it serves, by reason of its engagement through the incisions 10 and 13 to hold the cover in place upon the body of the box at the top side thereof. As a means for holding the opposite side of the cover against displacement from the body of the box, there is provided a fastening means which will now be described.

The bottom 6 of the cover is formed with short parallel slits 19 which extend transversely thereof, and with a slit 20 which preferably extends in the arc of a circle

having as its center a point midway between the slits 19. The said side of the cover is also cut away as at 21 and by so slitting the side and cutting it away, a locking tongue 22 is formed having a neck and a head, which latter is indicated by the numeral 23 and terminates at each side of the neck in tabs 24. The tongue 22, above described, projects in the general direction of the free edge of the said side 6 of the cover. The side 2 of the body 1 of the box is formed with a slit 25 extending longitudinally thereof and parallel to the free edge of the said side 2 and extending at right angles from this slit 25 near each end thereof, is a branch slit 26, the said side 2 being further slit as at 27 at right angles to the slit 25 and immediately inwardly of the slits 26, the said slits 27 extending in a direction opposite to the direction of extent of the branch slits 26. A lip 28 is formed between the slit 25 and slits 27 and a similar lip 29 is formed between the said slit 25 and the branch slits 26. When the cover is applied to the body of the box, the tongue 22 is inserted through the slit 25 and the short slits 30 between the sides of the neck of the tongue and the tabs 24 are engaged with the slits 27, the lip 28 being slightly bent inwardly at the time of such engagement. The tongue 22 is in this manner locked in its engagement in the slit 25 and cannot become accidentally disengaged. By providing the lip 29, bulging of the side 2 of the body of the box is prevented.

The sides 2 and 3 of the body of the box and the ends of the said body are interlocked or fastened in the same manner as are the sides 6 and 7 and ends 8 of the cover and the locking or fastening means being identical in both instances, it is believed to be only necessary to describe the means as embodied in the cover.

In Figs. 5 and 6 of the drawings there is shown one corner of the cover of the box. In the said Figs. 5 and 6 of the drawings, the side 6 of the cover is illustrated as formed with a diagonal slit 31 having a short branch slit 32 which is located near that end of the slit 31 adjacent the free edge of the said side 6 and extends at an angle in the direction of the said edge. The end 8 of the cover is formed with a locking flap 33 having a substantially semi-circular head 34 adapted for insertion through the slit 31 and provided at one side with a short locking finger 35 which engages in the branch slit 32 when the tongue 34 is inserted through the slit 31, such engagement serving to prevent accidental disengagement of the flap from the slit 31.

In Figs. 9 to 13 inclusive of the drawings there is shown a modified fastening means for the bottom of the body and cover of the box and in the said figures, the bot-

tom of the body of the box is illustrated as formed with a slit 36 which extends transversely thereof and terminates short of the edges, and the bottom of the cover is illustrated as formed with a substantially U-shaped slit 37 resulting in a tongue 38 which extends lengthwise of the said bottom of the cover and is adapted to be inserted through the slit 36 in the manner shown in Figs. 9, 10 and 11 of the drawings, when the cover is in place upon the body. To render it easy to withdraw the tongue, should it be desired to open the box at this side, notches 39 are formed in the walls of the slit 37 for the engagement of the fingers when withdrawing the tongue. It will be readily understood from an inspection of the said Figs. 9 to 13, that while the tongue may be readily inserted and withdrawn through the slit 36, it will effectually secure the cover to the body of the box at the bottom thereof.

Having thus described the invention what is claimed as new is:—

1. A box comprising a body and a cover having overlapped tongues, and a handle comprising a grip-portion extending over said tongues, and terminal portions engaging beneath the said tongues.

2. A box comprising a body and a cover having overlapped tongues, and a handle comprising a grip-portion having broadened terminal portions, the said terminal portions engaging beneath the ends of the tongues and the said grip portion extending over the said tongues.

3. A box comprising a body and a cover having overlapped oppositely projecting tongues, and a handle comprising a grip-portion having broadened terminal portions slit to form ears at opposite ends of the grip portion, the said ears being engaged beneath the overlapped tongues and the said grip-portion extending above the said overlapped tongues.

4. A box comprising a body and a cover telescopically fitted, corresponding sides of

the body and cover being slit to form tongues projecting toward the free edges of the respective sides, the said tongues being overlapped, and a handle comprising a grip-portion having terminal ears engaged beneath the tongues, the said grip-portion extending above the tongues.

5. A box comprising a body and a cover telescopically fitted, corresponding sides of the body and cover being formed each with a slit extending parallel to the free edge thereof and with terminal slits extending at right angles to the first mentioned slit, the said slits in each of the said sides forming a tongue extending in the direction of the free edge of the said side, the said tongues being overlapped, and a handle comprising a grip-portion of substantially the same width as the terminal slits and having broadened terminal portions engaged beneath the ends of the said tongues, the said grip-portion extending above the tongues.

6. A box comprising a body and a cover having overlapped tongues, and a handle comprising a grip portion extending over said tongues and broadened terminal portions engaging under the ends of the inner tongue and also under the body of the box adjacent the ends of tongue.

7. A box comprising a body and a cover telescopically fitted, the corresponding sides of the cover and box being formed with spaced registering transverse slits, and a handle comprising a shank portion fitted through the slits and having broadened terminal portions disposed longitudinally with respect to the body engaging against the inner surface of the said side of the body and bridging said slits.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY E. WEBB. [L. S.]

Witnesses:

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