

G. R. ERNEST.
 TRAY ATTACHMENT.
 APPLICATION FILED NOV. 5, 1908.

936,104.

Patented Oct. 5, 1909.

Fig. 1.

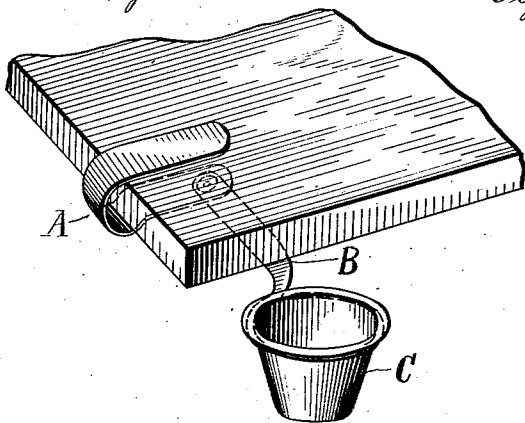


Fig. 2.

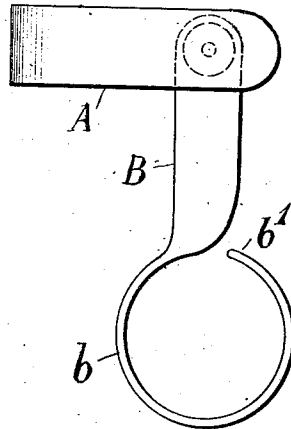


Fig. 4.

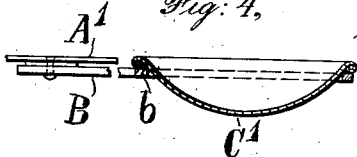


Fig. 3.

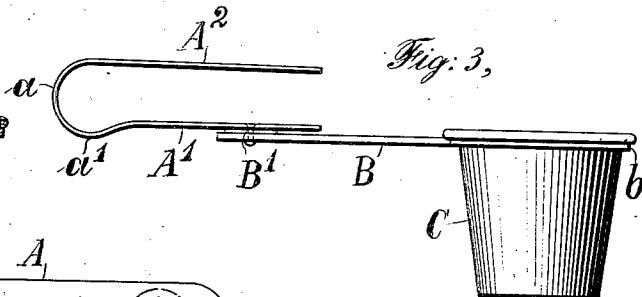
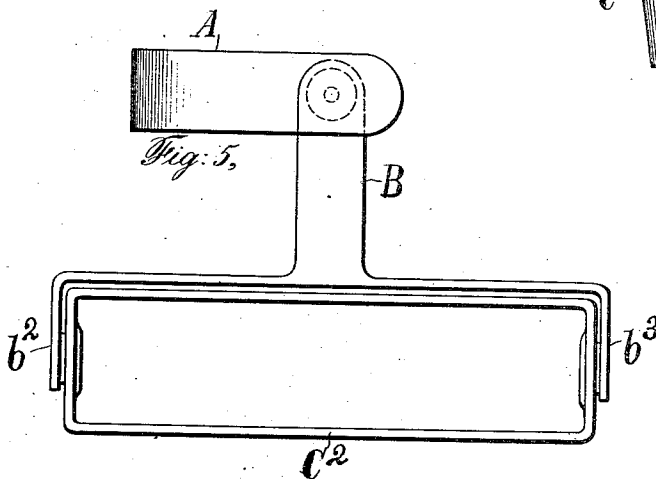


Fig. 5.



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UNITED STATES PATENT OFFICE.

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TRAY ATTACHMENT.

936,104.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE R. ERNEST, a citizen of the United States of America, and a resident of Old Forge, county of Herkimer, and State of New York, have invented certain new and useful Improvements in Tray Attachments, of which the following is a specification.

This invention has reference to improvements in tray attachments.

It is the special object of my invention to produce a tray attachment which may readily be applied to and detached from any portion of a chair, table or the like. By means of a swivel joint or bracket forming part of the attachment the tray is horizontally movable nearly in the entire circle which it describes. Thus the tray may be extended from the chair or table when it is desired to use it and may be shifted under same when not in use so that it is out of the way. Accordingly the tray attachment with the tray is a great convenience. Various styles of trays may be suspended in or secured to the attachment so as to render it useful for various purposes. When the tray is attached to a smoker's chair, a rather deep receiver gives best service. At a card or player's table each player may use an attachment, which then is provided with a semi-spherical tray suitable for coin or chips. For buttons, pins and the like, a flat tray may be preferable in an attachment for domestic purposes secured, for instance, to a sewing table or sewing machine.

In addition to the manifold application of the tray attachment it has been sought to keep the cost of production low by simplicity in construction.

The attachment consists practically of but two parts, whereby liability to derangement is reduced and it has been attempted to produce a neat article, all as will be fully described hereinafter with reference to the accompanying drawing, in which:

Figure 1 represents in perspective view, a tray attachment with tray as applied, embodying in desirable form the present improvements. Fig. 2 illustrates the attachment in top plan view with the swivel bracket at right-angle to the attachment proper. Fig. 3 shows the attachment in a straight line with ash receiver suspended therein. Fig. 4 shows in section, part of the attachment with tray for chips or coin, and

Fig. 5 represents an attachment with modified tray receiver.

Similar characters of reference denote like parts in all the figures.

In the drawing A represents a spring clip made of spring metal sheeting preferably in the form shown in Figs. 1 and 3. The spring clip is usually made of one continuous strip of metal sheeting which is bent so that the two portions composing it are parallel to each other, open on one side and closed on the other. The bend *a* is semi-circular but its lower portion *a'* extends somewhat below the lower portion *A'* of the clip while the upper portion *A²* is flush with the end of the bend. A swivel bracket B is movably secured to the lower portion *A'* of the clip near the open end of same. The bracket B is formed, opposite to its secured end into a tray receiver *b*, see Figs. 1 to 4. This tray receiver usually is of circular form, its end *b'* however, does not quite extend to the bracket B in order to make it somewhat elastic. The swivel joint *B'* may be of any approved construction but is arranged on the lower side of the clip portion *A'* leaving the upper surface of said clip portion smooth. The tray C is loosely suspended in the tray receiver *b* so as to allow of removing its contents when desired, for instance, cigar ashes, in which instance a rather deep tray or ash receiver is employed as shown in Figs. 1 and 3. For coin and chips a nearly semi-spherical tray *C'* is preferably inserted in the tray receiver, as shown in Fig. 4.

In order to render it possible to insert the usual flat elongated trays, a modified form of tray receiver is shown in Fig. 5. In this instance the free end of the swivel bracket B is bifurcated and the elongated tray *C²* inserted between the portions *b²*, *b³* of the receiver.

The operation of the device is very simple. After the tray has been inserted the spring clip is forced onto any portion of a table, chair or seat of any kind in the manner shown in Fig. 1. The attachment is tightly held in that position by means of the spring clip but may easily be removed when desired. By means of the swivel joint and bracket the tray may be horizontally moved so that it is located, at either side of the spring clip and extends beyond the table, chair or the like. After having been used the tray is pushed under the portion of a table or chair

to which the attachment has been secured, it is then out of the way and none of its contents is spilled or lost.

I claim as my invention:

5 1. In a detachable tray attachment in combination, a spring clip having straight parallel members open at the inner end, a bracket movably pivoted to the lower member of the spring clip near its inner end both forming
10 a swivel joint, and a receiver for the tray formed integrally with the swivel bracket.

2. In a detachable tray attachment in combination, a spring clip having straight parallel members open at the inner end and forming
15 a semi-circular bend at the opposite end whose lower portion extends somewhat below the lower member of the spring clip, a bracket pivoted to the lower member of said

clip near its inner end from below leaving the inner surface of said member smooth 20 and forming a swivel joint therewith, and a receiver for the tray formed on the swivel bracket.

3. A detachable tray attachment comprising a spring clip, a bracket pivoted to the 25 lower portion of the clip near its inner open end both forming a swivel joint, and a receiver for the tray formed on said bracket in combination with a tray located in the tray receiver.
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Signed at Old Forge, N. Y., this 30th day of October, 1908.

GEORGE R. ERNEST.

Witnesses:

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