

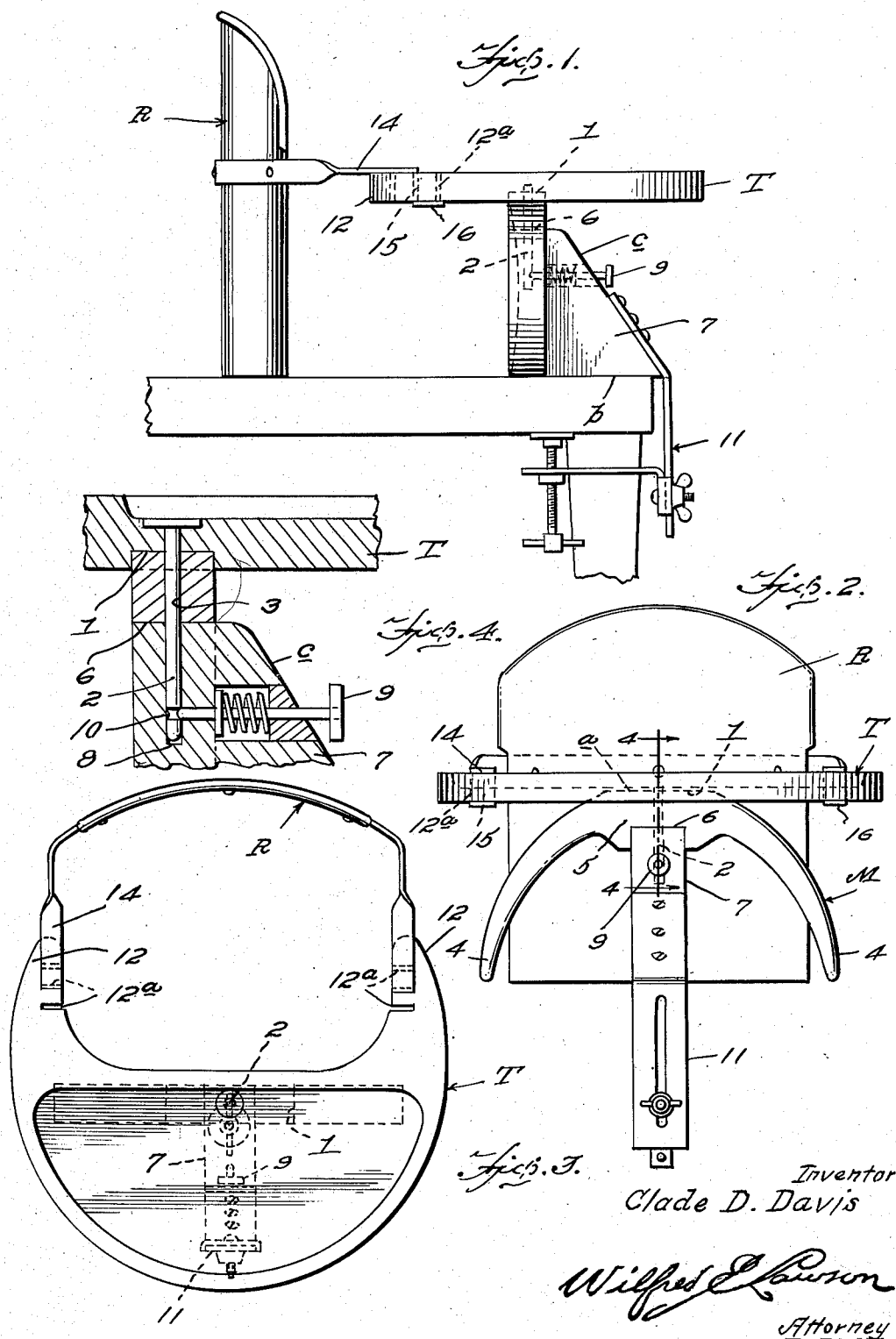
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TRAY ATTACHMENT FOR CHAIRS OR THE LIKE

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TRAY ATTACHMENT FOR CHAIRS
OR THE LIKE

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2 Claims. (Cl. 155-128)

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This invention relates to a tray attachment for chairs or the like and it is primarily an object of the invention to provide a device that may readily be mounted on a chair seat or the like to provide a conveniently arranged tray for use by infants or others needing such service.

It is an object of the invention to provide an attachment of this kind provided with means whereby liability of the occupant of the chair or the like sliding off therefrom is substantially eliminated.

Another object of the invention is to provide a device of this kind including a conveniently mounted backrest especially desired when the attachment is for use by an infant or when the seating surface is of considerable area.

This invention also has for an object to provide a device of this kind of a knockdown type to allow ready and convenient cleaning of the same to maintain the device in a sanitary condition and to allow the device to be readily transported or stored.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved tray attachment for chairs or the like whereby certain advantages are attained, as will be hereinafter more fully set forth.

In order that my invention may be better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view in side elevation of a tray attachment embodying the invention and in applied position, the associated seat being shown in fragment;

Figure 2 is a view in front elevation of the attachment unapplied;

Figure 3 is a view in top plan of the attachment as illustrated in Figure 2; and

Figure 4 is an enlarged detail sectional view taken substantially on the line 4-4 of Figure 2.

As illustrated in the accompanying drawing T denotes a tray in simulation of a crescent. However, the invention is not to be limited to any particular design, style or tray body.

The rear marginal portion of the body T in the central portion thereof is provided with an elongated shallow socket 1, having its longitudinal axis transversely disposed on the tray body T. Depending from the central portion of the socket 1 is an elongated shank or stem 2, which extends snugly through an opening 3 midway of the ends of the substantially semi-circular member M the extremities of which provide supporting legs 4.

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The central portions 5 of the member M has its outer or convex portion provided with a straight edge face *a*, said portion 5 seating within the socket 1 whereby the member M is held against rotation around shank or stem 2.

The central portion of the member M in inner or concave side is provided with a relatively large recess 6 through the central portion of which the shank or stem 2 is directed, said shank or stem being of a length to extend a material distance beyond the inner central portion of the member M.

Fitting snugly within the recess 6 is an end portion of a plate 7. The upper end of the plate 7 or that portion fitting within the recess 6 is provided with a socket 8 into which snugly fits the outer end portion of the shank or stem 2.

The plate 7 in side elevation increases in width at the outer side thereof from the top to the bottom of the plate whereby is provided an elongated bottom edge face *b* for direct contact with the supporting surface or seat with which the device may be employed and for which reason the ends of the member M and the edge face *b* are coplanar.

Freely extending into the upper portion of the plate 7 through the outer outwardly and downwardly inclined face *c* thereof, is a spring pressed latch bolt 9 which engages with a recess 10 in the outer end portion of the shank or stem 2 whereby the tray T, member M, and plate 7 are releasably locked or held in assembly.

In practice, the device is placed upon a marginal portion of a chair seat or the like and the device is held in place by the clamping means 11 carried by and depending from the plate 7 to engage under the chair seat or the like.

While the plate 7 provides an additional support for the tray T, in practice this plate 7 is positioned between the legs of an infant and provides an effective medium to prevent the child from sliding off the seat.

The substantially crescent form of the tray T provides at the ends thereof the rearwardly disposed arms 12, the opposed faces of which being provided with the slits 12*a* spaced apart lengthwise of the arms 12.

The device also includes a backrest R of a material possessing the requisite rigidity and extending forwardly from the sides of the rest R are the elongated flat and substantially rigid arms 14. The outer or free ends of the arms 14 are provided with the depending flat lugs 15, having their edges laterally disposed so that the lugs 15 may be selectively engaged within the

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slits 12a of the arms 12 to maintain the backrest R in desired working position. The free extremities of the lugs 15 are continued by the forwardly disposed ears 16 to overlie the arms 12 to further assure the maintenance of the backrest R in applied position.

It is believed obvious that the device hereinbefore described in one whereby the various parts may be readily knocked down. This is of advantage when it is desired to clean the device or should it be desired to transport or store the same.

From the foregoing description it is thought to be obvious that a tray attachment for chairs or the like constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated.

I claim:

1. The combination with a chair; of an attachment therefor comprising a tray structure having a rim; rearwardly directed arms in continuations of the opposite ends of the rim of the tray, a back rest attached to the free ends of said arms and adapted to rest on the seat of a chair, a supporting means beneath the tray adapted to rest on said chair seat, a plate depending from said supporting means to a substantial extent therebelow; clamping means carried by said plate and adapted to be positioned beneath said chair seat to engage the underside thereof and to hold the tray in place, the supporting means being positioned so that it is adapted to be straddled by an infant when seated on said chair seat, the back section being of arcuate form in cross section and having arms extending forwardly from its opposite sides for connection with the first arms, and cooperative means connecting the last named arms with the first arms to allow for the adjustment of the back rest relatively to the tray structure.

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2. The combination with an infant's chair having a seat and back; of an attachment therefor comprising a tray structure having a rim; rearwardly directed arms in continuation of the opposite ends of the rim of the tray, a back rest attached to the free ends of said arms and adapted to rest on the seat of a chair, a supporting means beneath the tray adapted to rest on said chair seat, a plate depending from said supporting means to a substantial extent therebelow, a clamping means carried by said plate and adapted to be positioned beneath said chair seat to engage the underside thereof and to hold the tray in place, the supporting means being positioned so that it is adapted to be straddled by an infant when seated on said chair seat, an arcuate member secured at its center to the under side of the tray and having its ends resting on said chair seat adjacent the opposite side edges thereof to prevent the infant from turning sideways on the seat, the said supporting means being secured to the arcuate member at the front center thereof.

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