No. 646,084. Patented Mar. 27, 1900.

W. E. THOMPSON.

ATTACHMENT FOR INFANTS' CHAIRS.

(Application filed July 15, 1899.)

(No Model.)

Fig. 1.

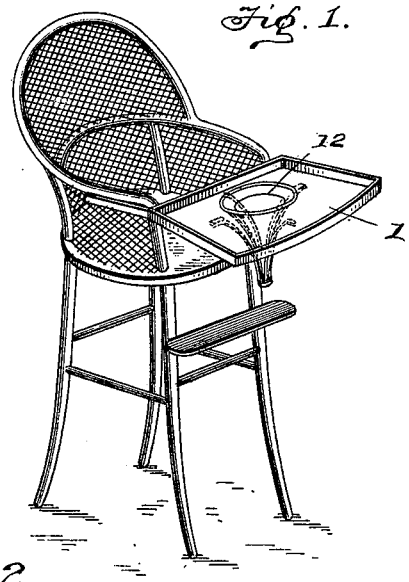


Fig. 3.

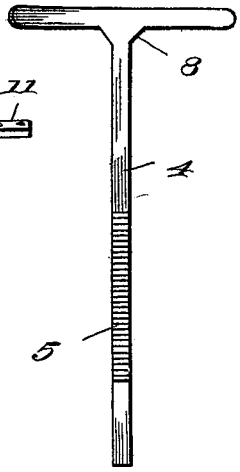
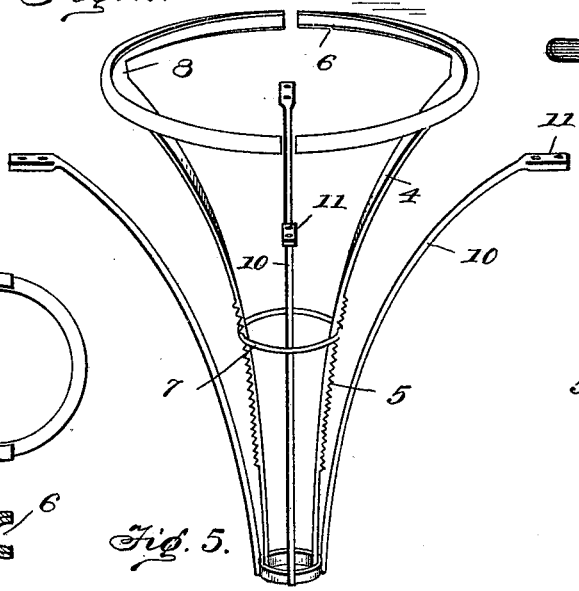


Fig. 2.



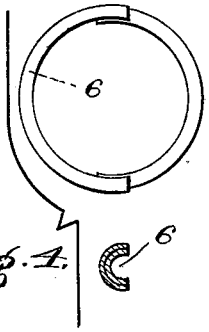
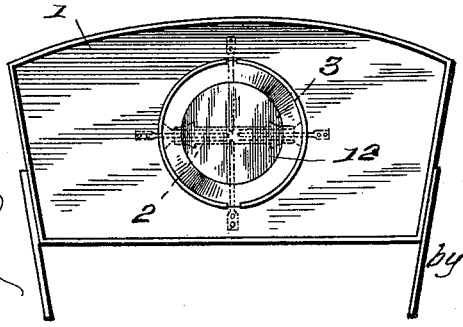


Fig. 4.

Fig. 5.



WITNESSES

Clarence Shaw

Chas. E. Brock

INVENTOR

W. E. Thompson,

by Dewey & Co.

Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM E. THOMPSON, OF ROSEVILLE, MISSOURI.

ATTACHMENT FOR INFANTS' CHAIRS.

SPECIFICATION forming part of Letters Patent No. 646,084, dated March 27, 1900.

Application filed July 15, 1899. Serial No. 723,921. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. THOMPSON, a citizen of the United States, residing at Roseville, in the county of Greene and State of Missouri, have invented a new and useful Attachment for Infants' Chairs, of which the following is a specification.

My invention relates to plate-holders generally, but is designed especially for application to the table of a child's high-chair; and it consists in providing the chair-table with an elongated slot, dovetailed notches formed in the sides of and near the respective ends of said slot, clamping-arms secured to the table and which extend through the slot and provided with shoulders to engage notches to hold them in any extended position, the object of the invention being to rigidly secure a plate or similar article to the table of a child's high-chair to prevent the same and its contents from being accidentally thrown upon the floor.

In the drawings which accompany and form a part of this application, Figure 1 is a perspective view of a table of a high-chair with my invention attached. Fig. 2 is a perspective view of my invention detached, one of the supporting-arms being removed. Fig. 3 is a side elevation of one of the clamping-arms. Fig. 4 is a top plan view of the clamping-arms and a detail cross-sectional view of the same on the line x x. Fig. 5 is a top plan view of a table of a high-chair detached.

1 represents the table of a high-chair of any approved construction, through the center of which is cut an elongated slot 2, near each end of which is a substantially-dovetailed notch 3, to be hereinafter referred to.

4 are spring-arms suitably joined at their lower ends by welding or riveting, said arms being of light metal and crimped at 5 for a considerable distance. If desired, the arms may be roughened instead of crimped. The upper end of each of these arms is joined at right angles to the body and bent around in a semicircular shape, the semicircular portion being bent to form a groove 6, running the entire length of said portion. (See Fig. 2.)

7 is a clamping-ring loosely secured around the arms 4 and adapted to engage the crimped or roughened portion 5 to hold the arms securely around the plate. The arms 4 are flared slightly at 8 (see Fig. 3) at their juncture with the right-angle portion, thereby forming shoulders.

10 are supports, the lower ends of which are suitably secured to the lower ends of the spring-arms 4, as clearly shown in Fig. 2. The upper ends of said supports are bent at an angle, as at 11, and provided with screw-holes, through which screws pass to secure the whole to the under side of the table 1.

The clamping members being secured to the table 1, the whole is ready for use. If it is desired to hold the clamping members in an extended position, it is only necessary to spring them apart until the respective shoulders 8 engage the respective dovetailed notches 3. A plate being placed between the clamping members, they are released from notches 3 and snap around the rim of the plate 12, and in order to rigidly hold them in engagement with the plate the ring 7 is pushed upward upon the crimped or roughened surface 5 on the clamping-arms 4 until the grooves 6 are firmly pressed around and over the rim of the plate, whereby the plate is firmly secured to the table against accidental displacement.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination with the table of a high-chair, an elongated slot formed in the same, dovetailed notches formed in the sides of and near the respective ends of said slot, of clamping-arms secured to the table and extending through the slot, shoulders formed of said arms adapted to engage said notches to hold them in an extended position, substantially as described.

2. The combination with the table of a high-chair, an elongated slot formed in the same, of a clamp comprising body portions secured together at their lower ends, semicircular grooved clamps secured at right angles to the body portions, a crimped or roughened surface formed on the body portions, and a loop or ring adapted to engage the crimped or roughened surface, and means for supporting the clamp in the elongated slot, substantially as described.

3. The combination with the table of a high-chair, an elongated slot provided with dovetailed notches formed in said table, of clamp-

ing members comprising body portions, secured together at their lower ends, crimped or roughened surfaces formed on the body portions, and semicircular grooved clamps secured at right angles to the body portions, a loop or ring adapted to engage the crimped surface on the body portions, and shoulders formed at the juncture of the body portion, and semicircular clamps, and supporting-arms, the upper ends of which are secured to the under side of the table, while the lower ends are secured to the lower ends of the body portions of the clamping members, substantially as described.

WILLIAM E. THOMPSON.

Witnesses:
ROBT. E. LEE,
C. R. FULBRIGHT.