May 29, 1945. L. MILLEK 2,377,024

FURNITURE

Filed Feb. 25, 1942 2 Sheets-Sheet 1

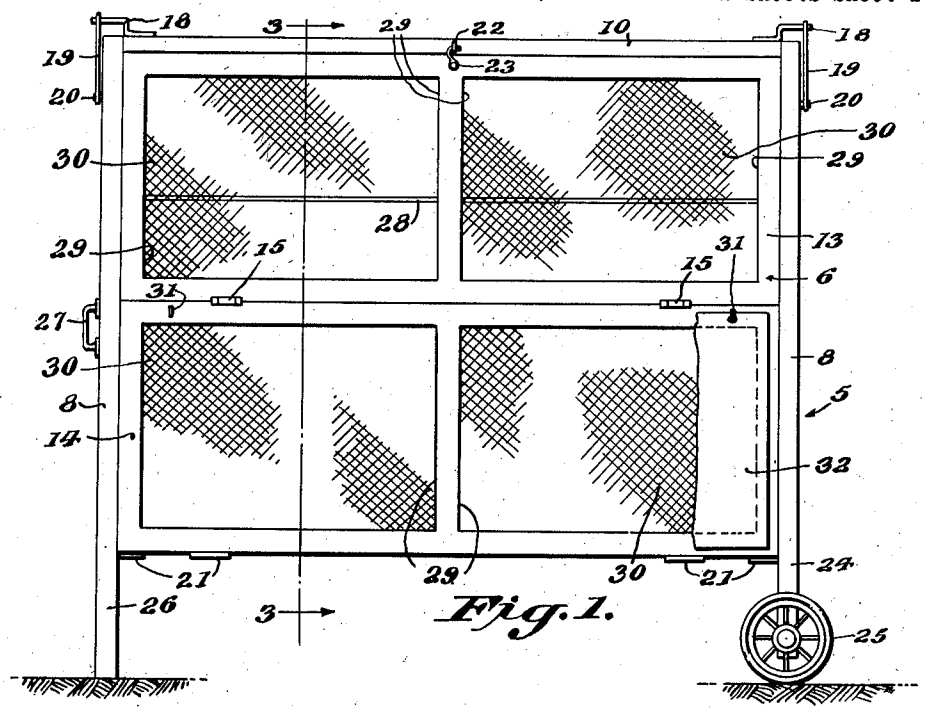


Fig. 1.

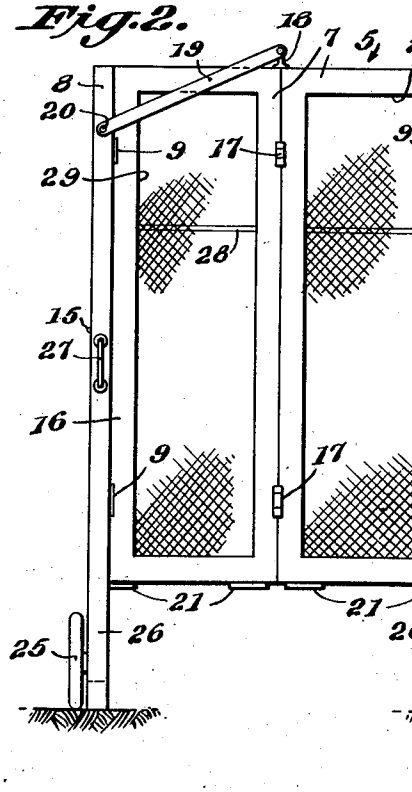


Fig. 2.

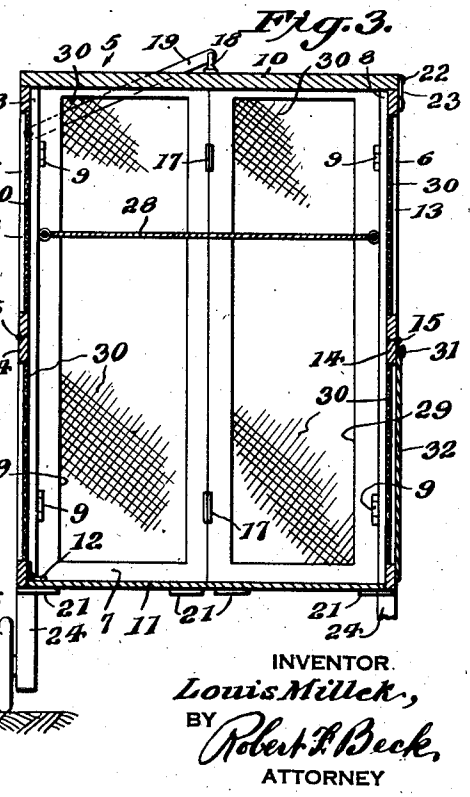


Fig. 3.

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Fig. 4.

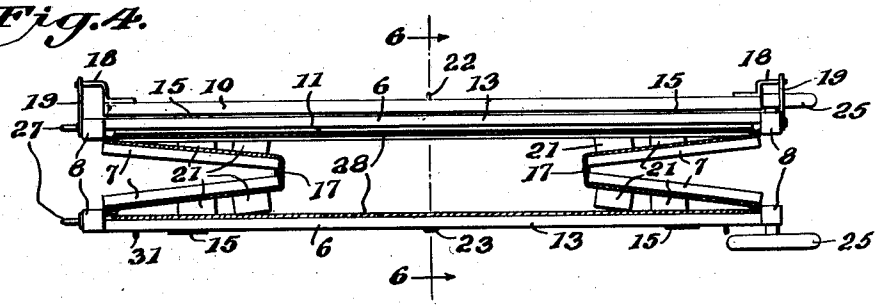


Fig. 5.

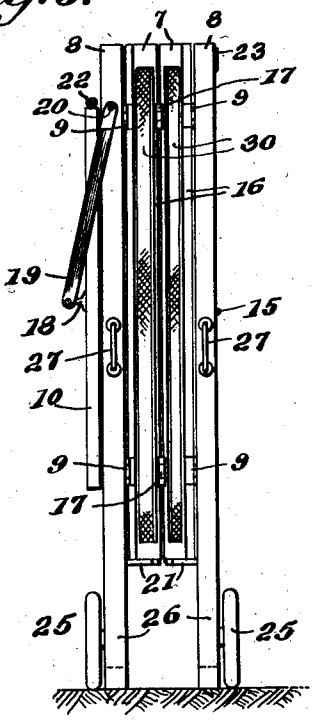


Fig. 6.

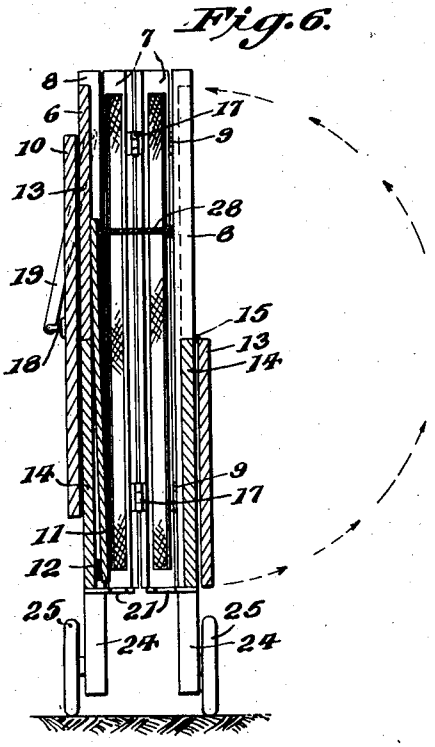
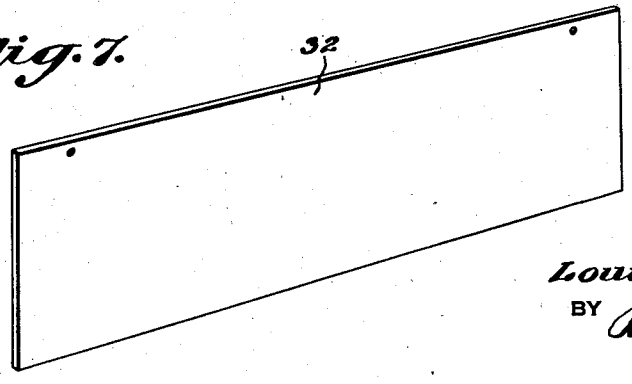


Fig. 7.



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Patented May 29, 1945 2,377,024

UNITED STATES PATENT OFFICE

2,377,024

FURNITURE

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Application February 25, 1942, Serial No. 432,266

2 Claims. (Cl. 5—99)

My invention relates to furniture and more particularly to that class known as infant's pens or kiddy coops.

One of the principal objects of my invention is to provide a kiddy coop so constructed and arranged whereby the same may be operated from an extended or opened position to a collapsed or closed position whereby the coop will occupy a minimum amount of space thereby facilitating the storing and/or transporting of the same.

Another object of my invention is to provide a coop of the foregoing described character equipped with windshield means whereby to protect the infant within the coop from drafts or a strong wind, thus, safeguarding the health of the infant.

An important object of my invention is to provide a coop of the character described which is simple in construction, durable in use, efficient in operation and economical in manufacture.

With the above and other objects in view, as will hereinafter appear, the invention consists in the combination, and arrangement of parts hereinafter set forth and illustrated in the accompanying drawings, from which the several features of the invention and the advantages attained thereby will be readily understood by those skilled in the art.

Referring to the drawings wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation of my invention with the windshield broken away.

Figure 2 is an end elevation of the coop.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a top plan view of the coop and illustrating the same in collapsed or folded position.

Figure 5 is an end elevation of the coop in folded position.

Figure 6 is a sectional view taken on the line 6—6 of Figure 4.

Figure 7 is a perspective view of the windshield.

My novel form of infant's pen or kiddy coop 5, as illustrated in the drawings, comprises pairs of side and end walls 6 and 7 respectively, the latter walls 7 being pivotally connected to vertical standards 8 by means of hinges 9. The coop 5 is provided with a cover 10 and a floor 11, the latter being hinged to the lower marginal interior face of one of the side walls 6 by means of hinges 12.

The side walls 6 are constructed with upper and lower sections 13 and 14 respectively and with the lower sections having their ends fixed to the standards 8. The upper sections 13 are pivotally connected to the lower sections 14 by means of hinges 15 whereby said upper sections may be hinged outwardly to permit access to the interior of the coop when the latter is in opened or extended position as illustrated in Figures 1 to 3 inclusive of the drawings.

The end walls 7 are each provided with a pair of laterally adjacent sections 16 hinged together at their adjacent edges by means of hinges 17. The hinges 17 coact with the hinges 9 to permit the section 16 to be pivoted inwardly interjacent the side walls 6 when the floor 11 has been pivoted upwardly and the side walls 6 moved toward each other as clearly illustrated in Figures 4 to 6 inclusive.

The upper surface of the cover 10, adjacent its ends, is provided with a pair of centrally disposed trunnions 18 having portions extending over the end walls and in spaced relation therewith. Each trunnion 18 is pivotally connected to one end of an arm 19. The opposite end of said arm 19 is pivotally connected to a pivot 20 fixed to a standard 8 connected to the side wall to which the floor 11 is hinged.

The under faces of the side and end walls 6 and 7 have secured thereto inwardly extending plates 21 for receiving and supporting the floor when the coop is in opened position as clearly illustrated in the drawings. The side faces of the cover 10 are provided with eyes 22 in which are connected hooks 23 carried by the upper sections 13 whereby to maintain the latter in closed position.

The standards 8 have lower end sections which extend an appreciable distance subjacent the side and end walls. End sections 24 of a pair of the standards, at one end of the coop, are equipped with wheels 25 for supporting the end section 24 above the ground to permit movement of the coop thereover. The other pair of end sections 26 normally engage the ground to preclude movement of the coop while their respective standards are provided with handles 27 whereby said end sections 26 may be raised to facilitate movement of the coop.

Within the coop, the standards 8 have connected thereto a flexible element or rope 28 which extends about the inner face of the side and end walls 6 and 7 and which may be grasped by an infant within the pen or coop to raise and maintain himself in a supported position therein. The sections of each of the walls 6 and 7 are provided with elongated apertures 29 over which is

disposed a wire mesh screen 30 whereby the infant may receive fresh air.

In order to protect the infant against drafts or strong winds, the upper marginal outer face of one of the lower sections 14 is provided with a pair of hooks 31 to which is detachably connected a windshield 32 overlying the apertures in said section, it being understood that the coop is moved to a position to present the windshield against or in the path of the wind.

In order to operate the coop from opened or extended position to closed or collapsed position, the cover 10 is pivoted over and into appressed relation with one of the side walls 6, the floor 11 hinged upwardly within the coop to dispose its free end adjacent said side wall with the rope 28 disposed over said free end to maintain the floor in raised position, and the end walls pivoted inwardly to dispose the side walls into close proximity with each other. Obviously, a reverse of the foregoing described operation serves to operate the coop to open or extended position for use by an infant.

While I have shown and described one of the side walls as having the windshield 32 detachably connected thereto, it is to be understood that all the walls may be provided with similar windshields or that a single windshield may be employed for selective use with a particular wall. Furthermore the windshield may be constructed of any desired material and that the same may be opaque or transparent.

Without further elaboration the foregoing will so fully explain the invention that others may, by applying current knowledge, readily adapt the same for use under various conditions of service. Moreover, it is not indispensable that all the features of the invention be used conjointly since they may be employed advantageously in various combinations and sub-combinations.

It is obvious that the invention is not confined to the herein described use therefore as it may be utilized for any purpose to which it is adaptable. It is therefore to be understood that the invention is not limited to the specific construction as illustrated and described as the same is only illustrative of the principles of operation, which are capable of extended application in various forms, and that the invention comprehends all construction within the scope of the appended claims.

What I claim is:

1. An infant's pen, comprising a pair of oppositely disposed side walls equipped at their ends with supporting standards, each of said side walls provided with a pair of upper and lower sections and with one of the latter being fixed to the respective standards and hinged to the other section to permit pivoting of said other section relative to said respective standards, a pair of oppositely disposed end walls each hinged to a pair of said standards at coincident ends of said side walls and provided with a pair of portions hingedly connected together for operation to collapsed and extended positions to permit said side walls to assume relative retracted and extended positions respectively, a pair of arms having coincident ends pivotally connected to the standards of one of said side walls, a cover pivotally connected to the other ends of said arms and disposed between the upper ends of the end walls for engagement with said upper ends to maintain said portions of said end walls in said extended positions, said arms being operable to dispose said cover, from between said upper ends, to a position in substantially appressed relation with the other of said side walls to permit said portions of said end walls to be operated to said collapsed positions and maintained therein by said arms, and a floor hinged to one of said side walls and movable upwardly to a raised position adjacent said last mentioned wall to permit operation of said side walls to said retracted position by said end walls, a flexible element carried by said standards and extending about the inner faces of said walls, said element functioning to support the occupant of said pen in an upright position when said side walls are in said extended position and to support said floor in said raised position to facilitate operation of said side walls to said retracted position.

2. In a folding pen, a pair of side walls, a pair of folding end walls connecting the side walls together at their ends for maintaining said side walls in an extended position with respect to each other, said end walls being foldable between the side walls to permit operation of the side walls toward each other to a retracted position, a pair of arms having coincident ends pivotally connected to one of said side walls, a cover pivotally connected to the other ends of said arms and disposed between said end walls to engage the latter against folding, said arms being operable to dispose said cover, from between said end walls, to a position adjacent the side of the other side wall, upon folding of said end walls and operation of said side walls to said retracted position, a floor hinged to one of said side walls and movable to a raised position adjacent said last mentioned wall to permit operation of said side walls to said retracted position upon folding of said end walls, a flexible element connected to said side walls and extending about their inner faces and functioning to support the occupant of said pen in an upright position when said side walls are in said extended position and to support said floor in said raised position to facilitate operation of said side walls to said retracted position, whereby, said side walls are retained in said retracted position by said arms.

LOUIS MILLEK.