Oct. 20, 1959 T. MATSUOKA 2,909,345

NURSING BOTTLE HOLDER

Filed Feb. 5, 1958

Fig. 1

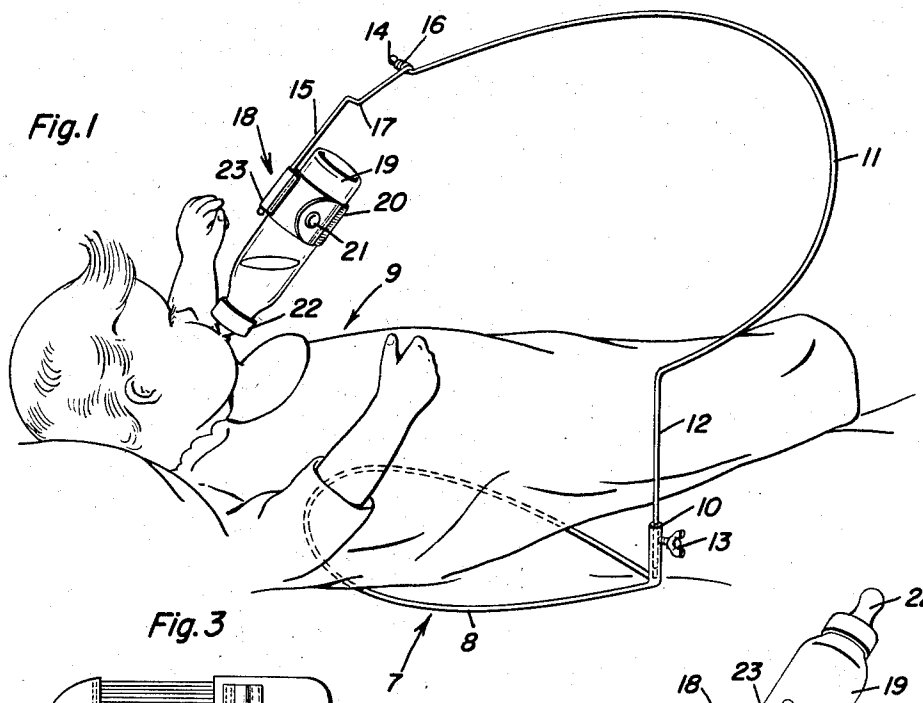


Fig. 3

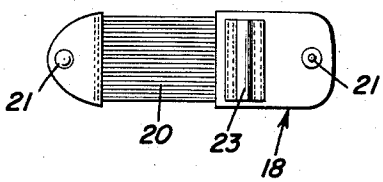


Fig. 2

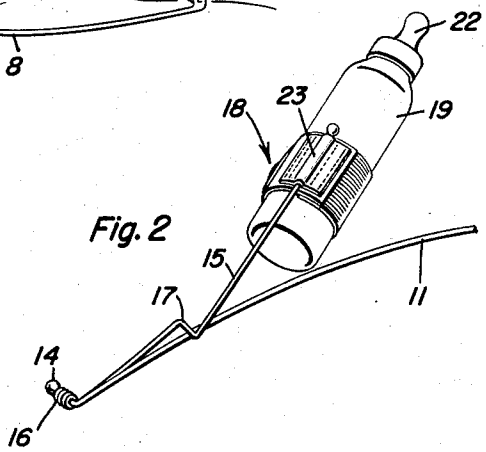


Fig. 5

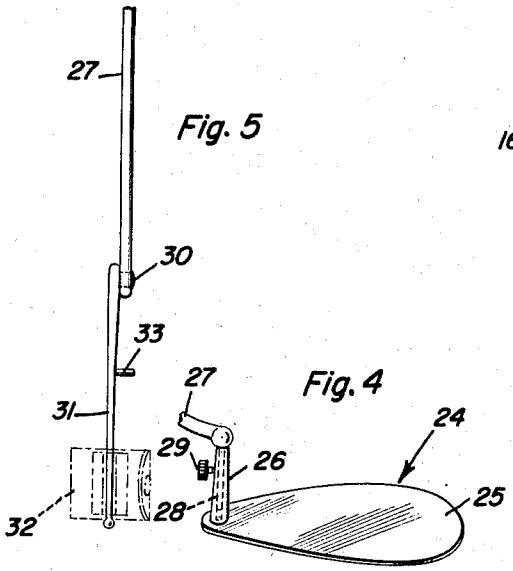
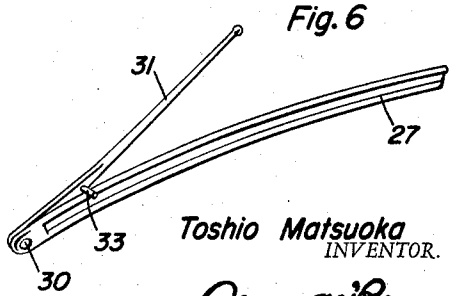


Fig. 4

Fig. 6



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United States Patent Office 2,909,345 Patented Oct. 20, 1959

2,909,345

NURSING BOTTLE HOLDER

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Application February 5, 1958, Serial No. 713,472

5 Claims. (Cl. 248—106)

The present invention relates to new and useful improvements in nursing bottle holders and has for its primary object to provide, in a manner as hereinafter set forth, novel means for supporting a nursing bottle in a position whereby a reclining baby may conveniently feed therefrom.

Another very important object of the invention is to provide a holder of the aforementioned character which is adapted to support the nursing bottle in an out-of-the-way position when desired.

Other objects of the invention are to provide a nursing bottle holder of the character described which will be comparatively simple in construction, strong, durable, compact, of light weight and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view, showing a nursing bottle holder constructed in accordance with the present invention in use;

Figure 2 is a perspective view of an end portion of the device, showing the position of the bottle when the baby is not feeding therefrom;

Figure 3 is a detail view in elevation of the bottle encircling strap or band;

Figure 4 is a perspective view of one end portion of a modified form of the device;

Figure 5 is a top plan view of the other end portion of the modification; and

Figure 6 is a perspective view of the end portion of the modification shown in Figure 5, showing the bottle supporting arm in inoperative or retracted position.

Referring now to the drawing in detail and to Figure 1 thereof in particular, it will be seen that reference character **7** designates generally a substantially ovate base comprising a frame **8** of suitable resilient wire. The base **7** is adapted to be inserted beneath the baby to be fed, as indicated at **9**, to be held in position thereby. Rising from one end portion of the base **7** is an integral sleeve or socket **10**.

Removably mounted on the base **7** is a rotatably adjustable crane **11**, also of suitable resilient wire. The crane **11** includes on one end a depending post or stem **12** which is secured in adjusted position in the socket **10** through the medium of a setscrew **13**. The other end portion of the crane **11** is bent laterally in a manner to provide a spindle **14**.

Mounted for swinging movement in a vertical plane on the crane **11** is an arm **15** of resilient wire. At one end, the arm **15** terminates in a coil **16** which is journaled on the spindle **14**. The arm **15** further includes an angularly bent intermediate portion **17** forming a stop the purpose of which will be presently set forth.

Mounted on the other or free end portion of the arm

15 is a strap or band **18** of suitable flexible material which is adapted to encircle a nursing bottle, as indicated at **19**, for removably mounting said bottle on said arm. The strap or band **18** includes an elastic portion **20**. Suitable snap fastener elements **21** are provided on the end portions of the strap or band **18** for securing same under tension around the bottle **19**.

It is thought that the use of the device will be readily apparent from a consideration of the foregoing. Briefly, the base **7** is positioned on a mattress or other supporting surface and the baby to be fed, as at **9**, is placed thereon. Of course, the weight of the baby holds the base **7** in position. By loosening the setscrew **13** the crane **11** may be rotatably adjusted on the base **7**, if necessary. The strap **18** is then secured under tension around the bottle **19** for mounting said bottle on the arm **15**. The arm **15** is then swung on the spindle **14** to the position of Figure 1 of the drawing. Thus, the bottle **19** is suspended in a substantially inverted position where the baby may conveniently take the usual nipple **22** on said bottle. Reference character **23** designates a loop on the strap **18** in which the arm **15** is engaged for mounting said strap on said arm. When the baby is through feeding or when the bottle **19** is empty, the arm **15** with said bottle thereon is swung upwardly and rearwardly until the stop **17** comes to rest by gravity on the adjacent end portion of the crane **11**. In this manner the bottle **19** is supported in an out-of-the-way, rearwardly and upwardly inclined, non-feeding position, as shown in Figure 2 of the drawing.

In the modification of Figures 4, 5 and 6 of the drawing, reference character **24** designates generally a base comprising a substantially ovate plate **25** of a suitable plastic. Rising from one end portion of the plate **25** is a sleeve or socket **26**. Removably mounted in the socket **26** is a crane **27**, also of a suitable plastic. The crane **27** includes, on one end, a depending post or stem **28** which is secured in the socket **26** by a setscrew **29**.

Pivotally mounted, as at **30**, for swinging movement in a vertical plane on the other end portion of the crane **27** is a plastic arm **31**. Mounted on the free end portion of the arm **31** is an elastic strap or band **32** (similar to the strap or band **18**) for removably mounting a nursing bottle on said arm. Projecting laterally from the arm **31** at an intermediate point is a pin or stop **33** which is engageable on the crane **27** as shown in Figure 6 of the drawing for supporting the bottle in an out-of-the-way position when the baby is not feeding therefrom.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A nursing bottle holder comprising: a base for mounting on a support, a crane mounted on said base, an arm mounted for swinging movement in a vertical plane on the crane and operable by gravity to feeding position, means for mounting a nursing bottle on said arm, and means on the arm engageable by gravity with the crane for limiting the swinging movement of said arm in one direction for supporting the bottle in an out-of-the-way, rearwardly and upwardly inclined non-feeding position.

2. A nursing bottle holder comprising: a base for mounting on a support, a crane mounted on said base, an arm mounted for swinging movement in a vertical plane on the crane and operable by gravity to feeding position, means for mounting a nursing bottle on said arm, and means on the arm engageable by gravity with the crane

for limiting the swinging movement of said arm in one direction for supporting the bottle in an out-of-the-way, rearwardly and upwardly inclined, non-feeding position, the last named means including an angularly bent intermediate portion on the arm engageable on the crane.

3. A nursing bottle holder comprising: a base for mounting on a support, a crane mounted on said base, an arm mounted for swinging movement in a vertical plane on the crane and operable by gravity to feeding position, means for mounting a nursing bottle on said arm, and means on the arm engageable by gravity with the crane for limiting the swinging movement of said arm in one direction for supporting the bottle in an out-of-the-way, rearwardly and upwardly inclined, non-feeding position, the last named means comprising a pin projecting laterally from the arm at an intermediate point and engageable on the crane.

4. A nursing bottle holder comprising: a base for mounting on a support, a crane mounted on said base, a spindle on one end of said crane, an arm mounted for swinging movement in a vertical plane on the crane and including on one end a coil journaled on the spindle, means for mounting a nursing bottle on the free end portion of the arm, said arm being operable by gravity to feeding position and including an angularly bent intermediate portion engageable by gravity on the crane for

limiting the swinging movement of said arm in one direction for supporting the bottle in an out-of-the-way, rearwardly and upwardly inclined, non-feeding position.

5. A nursing bottle holder comprising: a base for mounting on a support, said base including a substantially ovate plate, a socket rising from one end portion of said plate, a removable crane mounted for rotary adjustment on the base and including on one end a depending stem rotatably engaged in the socket, means for securing the stem in the socket, an arm mounted for swinging movement in a vertical plane on the other end of the crane, and means for mounting a nursing bottle on the arm, said arm being operable by gravity for suspending the bottle in feeding position, said arm including means engageable by gravity on the crane for limiting the swinging movement of said arm in one direction and for supporting the bottle in an out-of-the-way, rearwardly and upwardly inclined, non-feeding position.

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