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BABY EXERCISING DEVICE

Filed Feb. 26, 1960

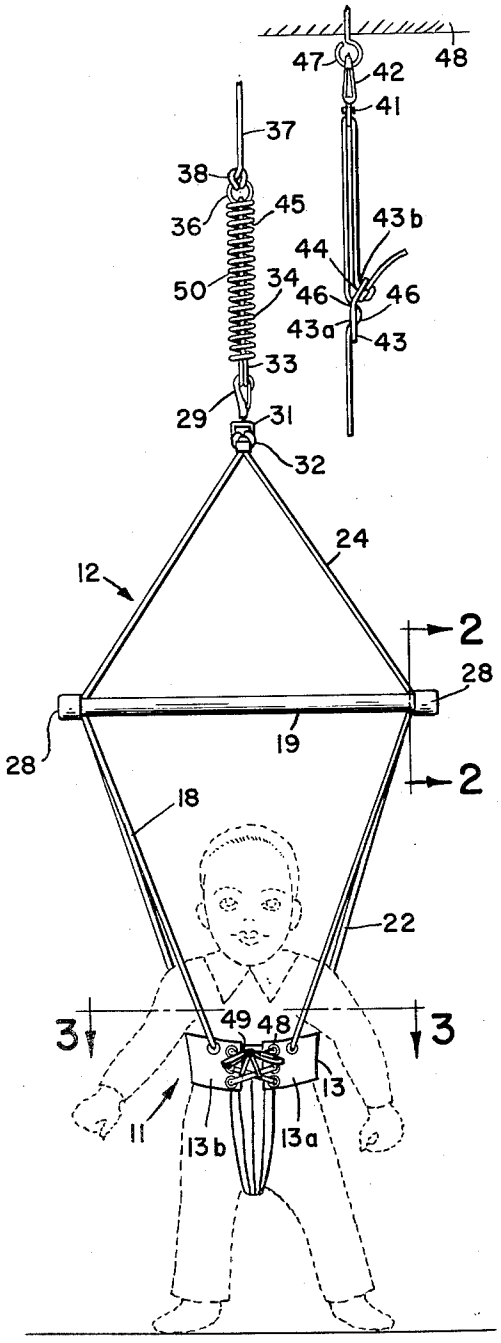


FIG. 1

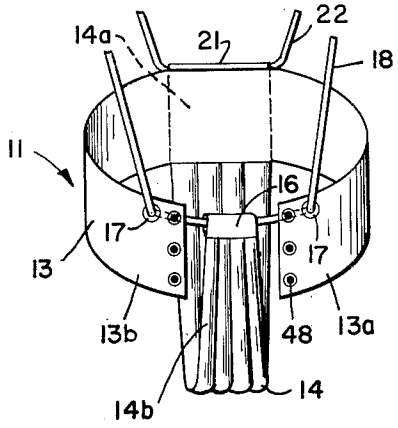


FIG. 4

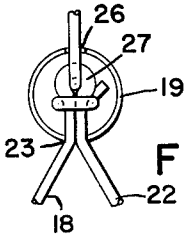


FIG. 2

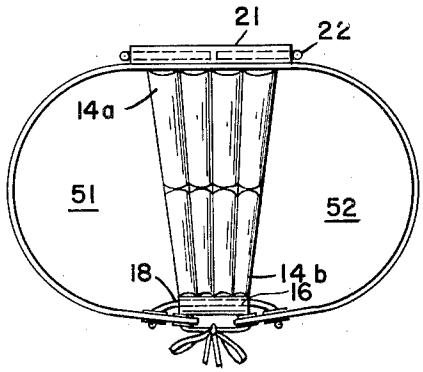


FIG. 3

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BABY EXERCISING DEVICE

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This invention relates to an exercising device and more particularly to a baby exercising device.

Baby exercising devices have heretofore been provided for babies. However, such baby exercising devices have not been completely satisfactory because they have been relatively expensive and difficult to produce. Such devices have also had other objectionable features such as difficulty of placing the baby within the device, the device opening up and dropping the baby, and others. There is therefore a need for a satisfactory baby exercising device.

In general it is an object of the present invention to provide a baby exercising device which overcomes the above named disadvantages.

Another object of the invention is to provide a baby exercising device of the above character in which the baby cannot fall out of the device even though the waist band is left untied or becomes untied.

Another object of the invention is to provide a baby exercising device of the above character which can be readily adjusted with respect to its height above the floor.

Another object of the invention is to provide a baby exercisor of the above character which can be easily placed on the baby.

Another object of the invention is to provide a baby exercising device of the above character which is simple and economical to construct.

Additional objects and features of the invention will appear in the following description in which the preferred embodiment has been set forth in detail in conjunction with the accompanying drawings.

Referring to the drawings:

FIGURE 1 is a front elevational view of a device incorporating my invention.

FIGURE 2 is a cross-sectional view taken along the line 2—2.

FIGURE 3 is a plan view of the device taken along the line 3—3.

FIGURE 4 is a perspective view of a portion of the device.

As shown in the drawings, my baby exercising device consists of a jacket **11** and means **12** for yieldably supporting the jacket. The jacket is comprised of a relatively wide waist band **13** of suitable material such as fabric which is adapted to fit around the waist of the baby. The waist band has two ends **13***a* and **13***b*. A seat band **14**, also of suitable material such as fabric is provided and has two ends **14***a* and **14***b*. The end **14***a* is secured to the waist band intermediate the two ends of the waist band. It will be noted that the seat band **14** is of quilted construction and is wider at the end **14***a* and gradually tapers down to the narrower end portion **14***b*.

The end **14***b* of the seat band is provided with a hem **16** and the ends **13***a* and **13***b* of the waist band are each provided with eyelets **17** through which extends a flexible elongate element in the form of a cord **18** that is secured to opposite ends of a spreader member **19** in a manner hereinafter described. The spreader member **19** is preferably tubular and is formed of a suitable material such as aluminum. Another hem **21** is provided on the rear of the seat band where it is secured to the waist band intermediate the ends thereof. Additional cord means **22** extends through this hem **21** and is secured to the opposite ends of the spreader member **19**.

In the construction shown in the drawing the cord means **18** and **22** are comprised of one single length of

cord and extend through openings **23** provided adjacent the ends of the spreader member. The ends of the single cord are secured in the hem **21** by suitable means such as sewing. The loop portions of the single cord which extend through the openings **23** in the opposite ends of the spreader member **19** are secured to another single length of cord **24**. The cord **24** has its ends extending through openings **26** in the spreader member also adjacent the ends of the spreader member **19** and has its ends secured to the loop portions of the single cord extending through the openings **23** by suitable means such as the single and double becket bend knot **27** shown in detail in FIGURE 2. The ends of the spreader member **19** are covered with caps **28** of suitable material such as plastic.

An intermediate portion of the cord means **24** is secured to a snap **29** provided with a turnbuckle **31** by means of an overhand knot **32** which passes through the turnbuckle **31**. The snap **29** is snapped over a ring **33** which is a part of one end of the spring **34**. A ring **36** is provided on the other end of the spring **34** and has secured to it a cord **37** by suitable means such as a knot **38**. The cord **37** is looped through a turnbuckle **41** provided on a snap **42** and has its other end secured to an adjustment member **43**. Th adjustment member consists of a straight portion **43***a* and an inclined portion **43***b*. The end of the cord passes through a hole **44** provided in the angle portion **43***b* and is knotted as shown to prevent the end of the cord from slipping therethrough. An intermediate portion of the cord **37** extends through a pair of holes **46** provided in the straight portion of the adjustment member **43**.

An elastic stop cord **45** is provided within the spring **34** and is secured to the rings **33** and **36** to prevent overstretching or permanent deformation of the spring.

The snap **42** is snapped over a screw-eye **47** which is adapted to be secured to a suitable supporting member such as a door-way.

The waist band is provided with a plurality of eyelets **48** which are disposed on the ends of the waist band and arranged in a row which is at right angles to the length of the waist band. Suitable means is provided for securing the ends of the waist band and consists of a lace **49** which is threaded through the eyelets and tied in much the same manner as a shoe lace.

Use of my baby exercising device may now be briefly described as follows. The device is separated at the snap **29** and the jacket is placed on the floor or on a bed and the baby is placed in the jacket by placing the legs of the baby through the side openings **51** and **52** between the seat band and the waist band. With the lace **49** loosened, this can be readily accomplished. As soon as the baby's legs have been placed through the openings **51** and **52**, the ends of the waist band are brought together and are secured with the lace **49** to firmly support the baby about the waist. The baby is then lifted and the snap **29** is placed in the ring **33**.

After the baby has been suspended, the height of the baby with respect to the floor is adjusted by sliding of the adjustment member **43** and upwardly or downwardly on the cord **37**. If it is difficult to make the adjustment while the baby is being supported by the cord **37**, the baby can be removed and the adjustment made after which the baby with the jacket can again be snapped onto the spring **34**. Normally it is desirable to lower the device so that the baby's feet can touch the floor. This in conjunction with the spring **34** will make it possible for the baby to jump and bounce around and to exercise its limbs. During this action, the baby at all times is firmly supported by the device.

The construction of the device is such that the baby may be comfortably seated in the device for relatively

long periods of time. The seat band 14 is padded or quilted to provide seating comfort. The construction of the device is such that it gives utmost safety to the baby by preventing the baby from accidently falling from the device. Thus if the lace 49 should accidently become untied or should be left untied, the baby cannot fall from the device because the end 14*b* of the seat strap is secured to the cord means which passes through the eyelets 17 and which is secured to the ends of the spreader member 19. As shown particularly in FIGURE 4, the ends of the waist band and the end 14*b* of the seat band will be retained by the cord means to prevent the baby from accidently falling from the device. The cords are secured to each other and to the spreader member in such a manner that it would be difficult if not impossible for the cords to become accidently untied.

The device is constructed in such a manner that can be readily mounted in several locations such as ceiling beams, porches, patios, door-ways and the like or any other place in which a screweye or other suitable supporting means can be placed. The adjustment means is of a type which can be easily adjusted for different heights to facilitate moving the baby exercising device from one place to another.

It is apparent from the foregoing that I have provided a new and improved baby exercising device which can be readily and economically manufactured and which gives the utmost safety to the baby.

I claim:

1. In a baby exercising device, a relatively wide waist band adapted to fit around the waist of the baby, said waist band having two end portions, a seat band, one end of the seat band being secured to the waist band intermediate the ends of the waist band so that the seat band depends from the waist band, the other end of the seat band being provided with cord receiving means, a spreader member, continuous cord means secured to opposite ends of the spreader member and extending through both end portions of the waist band adjacent the upper margin thereof and through the cord receiving means in the other end of the seat band, additional cord means secured to the opposite ends of the spreader member and to the waist band generally intermediate of the ends of the waist band and yieldable suspending means secured to the spreader member.

2. An exerciser as in claim 1 together with means for releasably fastening together the two end portions of the waist band.

3. In a baby exercising device, a relatively wide waist band adapted to fit around the waist of the baby, said waist band having two ends, a seat band depending from said waist band and having two ends, one end of the seat band being secured to said waist band intermediate the ends of the waist band, a spreader member, a single cord, the ends of said cord being secured to said waist band intermediate the ends thereof, intermediate portions of the cord being secured to opposite ends of the spreader member, another intermediate portion of the cord passing through end portions of the waist band and an end portion of the other end of the seat band to generally retain said waist band in engagement with the waist of the body and to support the seat band, and yieldable suspending means secured to the spreader member.

4. A baby exercising device as in claim 3 wherein said yieldable suspending means includes cord means secured to the ends of the spreader member, said last named cord means being secured to said first named cord by knots disposed within the spreader member.

5. In a baby exercising device, a relatively wide waist band adapted to fit around the waist of the baby, said waist band having two end portions with eyelets therein in the upper margin of the waist band, a seat band depending from said waist band and having two ends, one end of the seat band being secured to said waist band intermediate the ends of the waist band and the other end being provided with cord receiving means, a spreader member, continuous cord means secured to the opposite ends of the spreader member and extending through the eyelets in both end portions of the waist band and through the cord receiving means in the other end of the seat band, additional cord means secured to the opposite ends of the spreader member and to the waist band intermediate the ends of the waist band, and yieldable suspending means secured to the spreader member.

6. A baby exercising device as in claim 5 together with means for securing together the two end portions of the waist band.

7. A baby exercising device as in claim 5 wherein said first named cord means and said additional cord means consist of one length of cord.

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