

F. H. BARNHART.
SAFETY HARNESS.
APPLICATION FILED SEPT. 7, 1918.

1,300,914.

Patented Apr. 15, 1919.

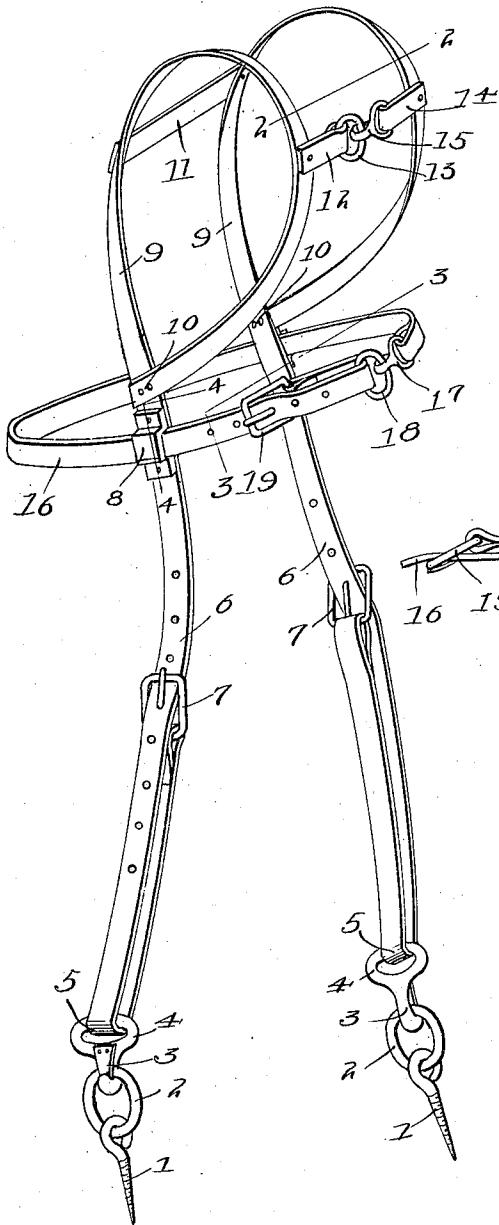


Fig. 1.

Fig. 2.

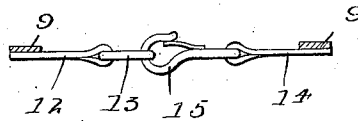


Fig. 3.

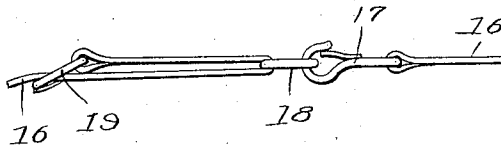
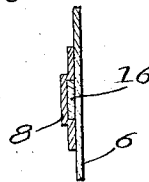


Fig. 4.



Witnesses
H. A. Thomas

Inventor
Frank H. Barnhart
By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

FRANK H. BARNHART, OF BLOOMDALE, OHIO.

SAFETY-HARNESS.

1,300,914.

Specification of Letters Patent.

Patented Apr. 15, 1919.

Application filed September 7, 1918. Serial No. 253,026.

To all whom it may concern:

Be it known that I, FRANK H. BARNHART, a citizen of the United States, residing at Bloomdale, in the county of Wood and State of Ohio, have invented new and useful Improvements in Safety-Harness, of which the following is a specification.

My present invention pertains to safety harness for children; and it consists in the peculiar and practically advantageous safety harness, designed for use upon growing children, and constructed and arranged as hereinafter described and definitely claimed.

In the accompanying drawings which are hereby made a part hereof:

Figure 1 is a perspective of the safety harness constructed in accordance with my invention.

Fig. 2 is an enlarged detail section, taken in the plane indicated by the line 2—2 of Fig. 1 and illustrating the detachable connection intermediate the shoulder straps of the harness.

Fig. 3 is an enlarged detail section indicated by the line 3—3 of Fig. 1 and showing the detachable and adjustable connection between the ends of the body encircling strap.

Fig. 4 is an enlarged vertical section, taken in the plane of the line 4—4 of Fig. 1 and showing the slip connection between one of the side straps and the body strap.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

The major portion of my novel harness is preferably formed of leather though it may be of any other material compatible with its purpose without affecting my invention.

As part of my harness I provide two eyes 1, designed to be affixed in the body of a baby carriage, and equipped with rings 2. With the said rings 2 are engaged snap hooks 3 on rings 4, through which rings 4 extend the loops 5 of the side straps 6. Each of these loops 5 is formed through the medium of a buckle 7 and a strap portion which is connected to the buckle and has its bight portion disposed in one ring 4 and its major portion apertured as shown and carried through the buckle and upwardly therefrom. At 8 the side strap is provided with a loop which is preferably formed by a strap section opposed to the outer side of the side strap and affixed at its end thereto. At a point slightly above the loop 8 the side strap merges into a shoulder strap 9, the end of

which is permanently fastened at 10 to the side strap. The two shoulder straps 9 are connected through the medium of a transverse strap 11 which serves the important purpose of precluding casual slipping of the shoulder straps off the shoulders of the child. Interposed between portions of the shoulder straps 9, and preferably the front portions thereof is a quickly effected connection made up of a tab 12 permanently connected to one shoulder strap and having at its free end a ring 13, and a tab 14 permanently connected to the other shoulder strap and having at its free end a snap hook 15 adapted to be expeditiously sprung into and out of the ring 13. Manifestly the detachable connection just described assists the strap 11 in precluding casual removal of the shoulder straps from the child, and yet when it is desired to effect such removal, the same may be readily accomplished after the hook 15 is disengaged from the ring 13. In addition to the elements enumerated my novel harness comprises a body strap 16, adjustable as to length. This strap 16 extends loosely through the loops 8 on the side straps, and is equipped at one end with a snap hook 17 and at its opposite end with a ring 18 for the engagement of the snap hook; the said ring being carried in the bight of a loop that is formed by the major portion of the strap and a buckle 19 carried at the end of the strap so that its tongue may be engaged in apertures formed in said major portion.

It will be apparent from the foregoing that as the growth of a child progresses the side straps 6 may be increased in length as may also the body strap 16, and this without in any degree diminishing the capacity of the harness to securely hold a child against accidental release from the harness. This will be better appreciated when it is stated that the holding function of the harness is particularly attributable to the adequate manner in which the shoulder straps 9 are held on the shoulders, and to the fact that the body strap 16 in combination with the side straps absolutely precludes lateral movement of the straps 9 off the shoulders of the child. I would also direct attention at this point to the fact that the adaptation of the body strap 16 to work freely through the loop 8 contributes materially to the comfort of the child and also permits of the body strap being diminished in length without in-

terfering with the positioning of the detachable connection between the ends of the body strap at the middle of the front of the harness.

5 The chief function of the body strap 16 in my novel harness is to retain the shoulder straps or loops 9 in proper working position on a child's body, and the said body strap does not interfere in appreciable measure
10 with the comfort and freedom of movement of the child.

To apply and remove the harness it is simply necessary to manipulate the detachable connection between the shoulder straps
15 9 and the detachable connection between the ends of the body strap 16, and when the harness is applied in the manner described it is absolutely impossible for the harness to become disarranged no matter what capers
20 the child may practice.

While designed primarily for use in conjunction with a baby carriage, my novel harness may be used in conjunction with a baby chair or with any other device to which
25 it is applicable.

Having described my invention, what I claim and desire to secure by Letters Patent is:

1. A safety harness for growing children
30 comprising side straps having lengthwise adjustable lower loops, shoulder straps or loops into which the upper portions of the side straps merge, a transverse connection interposed between portions of the shoulder

straps or loops, a transverse detachable con- 35
nection interposed between opposite portions of the shoulder straps or loops, loops carried by the side straps at points below the shoulder straps or loops, and a body strap extending loosely through the loops on the
40 side straps and having an adjustable loop at one end and a fastener member in said loop.

2. A safety harness for growing children, comprising screw eyes, rings disposed in said
45 screw eyes, snap hooks connected with the rings and having body rings, side straps having loops engaged with the body rings of the snap hooks and formed by buckles carried at the ends of the straps and adapted
50 to engage the major portions thereof; shoulder straps or loops into which the side straps merge, a transverse connection between portions of the shoulder straps or loops, a transverse connection between opposite portions of
55 the shoulder straps or loops; the latter connection being made up of tabs, a link on one tab and a snap hook on the other tab, loops on the side straps below the shoulder straps or loops, and a body strap extending loosely
60 through said loops and having a snap hook at one end and also having at its opposite end a loop adjustable as to length and in the bight of which is arranged a ring for the engagement of the snap hook. 65

In testimony whereof I affix my signature.

FRANK H. BARNHART.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."