

(No Model.)

2 Sheets—Sheet 1.

D. W. BAKER.
VEST ADJUSTER.

No. 414,364.

Patented Nov. 5, 1889.

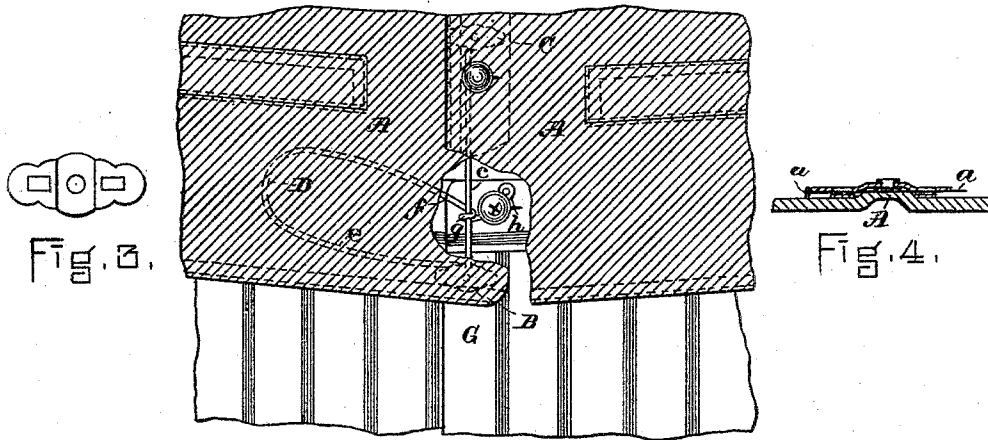


Fig. 1.

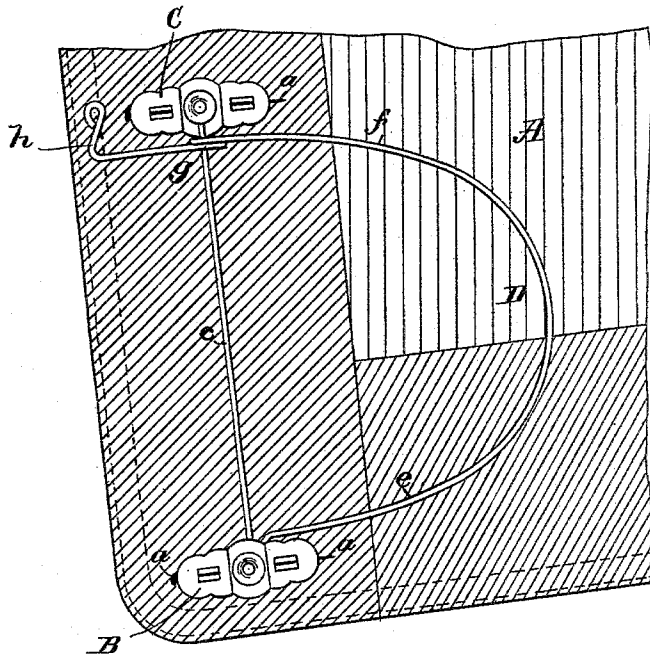


Fig. 2.

WITNESSES.

Henry Marsh.
Henry H. Allen.

INVENTOR.

Daniel W. Baker
By J. E. Buckmaster

(No Model.)

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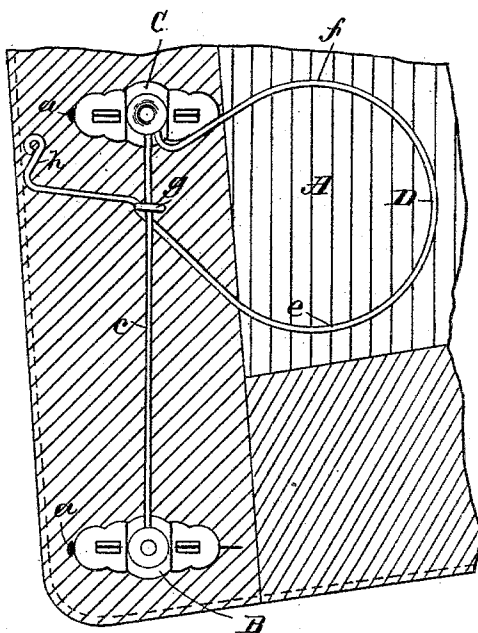


Fig. 5.

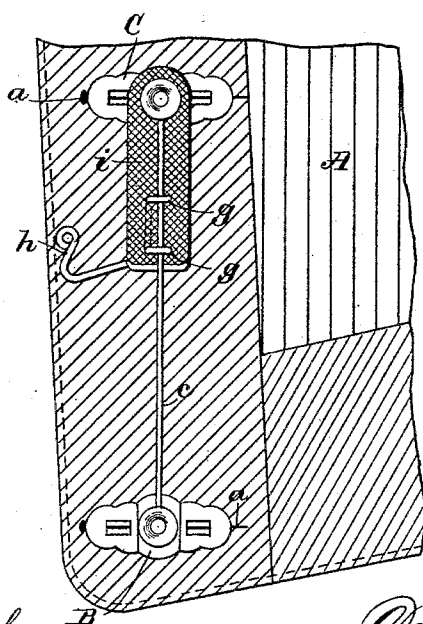


Fig. 6.

WITNESSES.

R. Henry Marsh
Harry H. Allen

INVENTOR.

Daniel W. Baker
By W. E. Stephenson

UNITED STATES PATENT OFFICE.

DANIEL W. BAKER, OF BOSTON, MASSACHUSETTS.

VEST-ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 414,364, dated November 5, 1889.

Application filed August 17, 1889. Serial No. 321,138. (No model.)

To all whom it may concern:

Be it known that I, DANIEL W. BAKER, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Spring Device for Holding Down the Front Portion of a Vest, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a view of the outside of the front of a vest and the upper portion of a pair of trousers, showing in dotted lines my improved spring device attached to the inner side of the vest, and illustrating the manner in which it is connected, when in use, with the upper portion of the trousers. Fig. 2 is a view of a portion of the inner side of the front of a vest having my improved spring device applied thereto. Fig. 3 is a plan view of the back of one of the fastening-plates by which the spring device is secured to the inner side of the vest. Fig. 4 is a section of one of the fastening-plates, representing the manner in which it is detachably secured to the inner side of the vest. Figs. 5 and 6 are views illustrating modifications of my invention.

This invention has for its object to improve the construction of the device for holding down the front portion of a vest, for which Letters Patent of the United States, No. 391,768, were granted to me on the 23d day of October, 1888, whereby I am enabled to produce a more durable, effective, and reliable device of this character; and to this end my invention consists in a guide rod or wire adapted to be secured at its opposite ends to the inner side of the vest, in combination with a spring adapted to be secured at one end to the vest and provided with an eye encircling said guide-rod and adapted to slide thereon, whereby it is guided in its movements, said spring having its free end provided with a hook or other device to enable it to be detachably connected with the trousers to hold the vest down, as hereinafter more fully set forth.

In the said drawings, A represents a portion of the front of a vest, to the lower part of the inner side of which are secured two fastenings or fastening-plates B C, which are

connected together by a vertical guide rod or wire *c*, extending from one to the other and secured thereto by rivets or in any other suitable manner. These plates or fastenings B C are preferably attached to the inner side of the vest by means of ordinary pins *a*, passing through loops formed on the back of each plate and through the cloth on the inner side of the vest, as seen in Figs. 2 and 4, whereby they may be easily attached and detached; but, if desired, they may be secured in place by sewing, riveting, or in any other suitable manner. To the plate B is permanently secured one end of a spring D, composed of a single piece of wire, preferably in the same piece with the wire *c*, and bent into the form shown, said spring having two arms or members *e f*, the lower one *e* extending along near the lower edge of the vest-front, as seen in Figs. 1 and 2. The other or free arm *f* of the spring D is provided near its outer end with an eye or loop *g*, which encircles the vertical rod *c* and is adapted to slide up and down thereon, the rod *c* thus forming a guide for the arm *f* in its movements toward and from the arm *e*, whereby the arm *f* is maintained in its proper position close to the inner side of the vest, and prevented from being bent or twisted out of shape by accidentally catching in the clothing or other object. When the arm *f* is bent toward the fixed arm *e*, its outer end is caught onto or connected with the upper portion of the trousers G, as seen in Fig. 1, when the tendency of the two arms *e f* to spring apart will cause the lower arm *e* to exert a pressure away from the upper arm *f* and force down the lower portion of the front of the vest, to which, as before stated, the said arm *e* is attached by means of the plate B, whereby the vest is held down with a spring-pressure, which will readily yield to the movements of the body, and yet keep the vest smooth and in its proper position, and prevent it from rising up and getting out of shape.

The outer end of the free arm *f* of the spring D beyond the eye *g* is bent to form a hook *h*, which, when the arm *f* is bent down after putting on the vest, is adapted to catch under the neck of one of the buttons or other fastening of the front opening or "fly" of the trousers, as seen in Fig. 1; but the outer end

of the arm *f* may be otherwise suitably shaped or provided with any suitable means to enable it to engage or be connected with the front portion of the trousers, and be easily disconnected therefrom when the vest is to be taken off.

In Fig. 5 is represented a modification of the vest-spring above described. In this case the action of the spring is reversed, the upper arm *f* of the wire spring being securely attached to the upper fastening-plate C, while the lower arm *e* is free and is provided with a hook *h* and an eye *g*, which encircles and slides upon the vertical guide-rod *c* in the same manner as the eye of the spring shown in Figs. 1 and 2, the springs performing the same function in both cases, the only difference being that in the spring shown in Figs. 1 and 2 the lower portion of the front of the vest is held down by the tendency of the two arms to spring apart, while in the spring shown in Fig. 5 the same result is attained by the tendency of the two arms to approach or spring toward each other after having been forced apart.

In Fig. 6 is represented another modification of my invention, in which a spring extensible in the direction of its length, and composed of rubber, metal, or other suitable material, is employed. The spring *i*, here shown, is composed of a short piece of elastic webbing, which is riveted, sewed, or otherwise attached at its upper end to the upper fastening-plate C, and is provided with one or more eyes *g*, which encircle and slide upon the vertical rod *c*, which thus serves to guide the spring and hold it in place as it is extended or drawn back. To the lower end of the spring is secured a hook *h*, which enables it when drawn down to engage or be connected with the upper portion of the trousers, when the resiliency of the spring will cause it to draw down the vest from the point where its upper end is attached thereto, the downward draft being communicated through the vertical wire *c* to the lower fastening-plate B, and said wire *c* serving to stiffen the vest along its front edge, thereby keeping it smooth and in its proper position.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A spring device for holding down the front portion of a vest, consisting of a vertical guide rod or wire adapted to be secured at its opposite ends to the inner side of the

vest, in combination with a spring adapted to be secured at one end to the vest, and provided with an eye encircling said guide-rod and adapted to slide thereon, whereby it is guided in its movements, said spring having its free end provided with a hook or other device to enable it to be detachably connected with the upper portion of the trousers, substantially as set forth.

2. The herein-described spring device for holding down the front portion of a vest, consisting of the fastenings or fastening-plates B C, connected together by a guide rod or wire *c*, in combination with a spring, one end of which is secured to one of the fastenings or fastening-plates, while its opposite or free end is provided with an eye or loop encircling said guide-rod *c* and adapted to slide thereon, said free end of the spring being also formed to engage or be connected with the upper portion of the trousers to hold the vest down, substantially as described.

3. The combination, with the two fastenings or fastening-plates B C, connected together by a vertical guide rod or wire extending from one to the other, of the double or U-shaped spring D, one arm or member of which is secured at its outer end to one of the fastenings or fastening-plates, while the other or free member has formed thereon an eye or loop *g*, encircling the guide-rod *c* and adapted to slide thereon, said free member being provided with a bent or hook-shaped end *h*, located outside the eye *g*, whereby it may engage with the neck of a button or other fastening on the upper portion of the trousers to hold the vest down, substantially as set forth.

4. The combination, with a vest, of a spring device for holding down its front portion, the same consisting of two fastenings or fastening-plates connected together by a guide rod or wire and secured to the inner side of the vest, and a spring having one end secured to the vest and the opposite end provided with a loop or eye encircling the guide-rod and adapted to slide thereon, said spring having its outer or free end provided with means to engage or be connected with the upper portion of the trousers, substantially as described.

Witness my hand this 11th day of July, A. D. 1889.

DANIEL W. BAKER.

In presence of—

P. E. TESCHEMACHER,
HARRY W. AIKEN.