

W. Hunt.

Spring Strap.

Patented

Fig. 1.

Mar. 21. 1838

N^o 649.

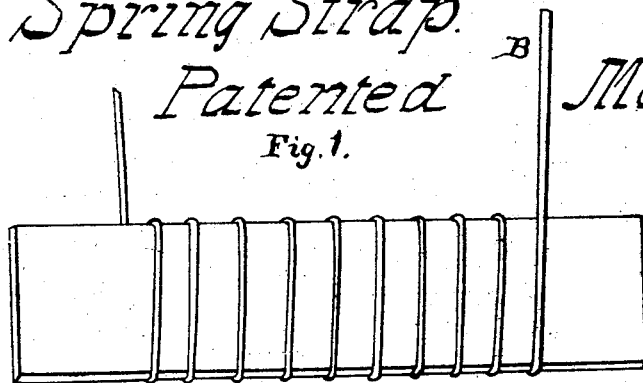


Fig. 2.

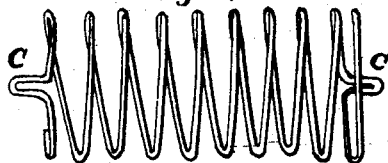


Fig. 3.

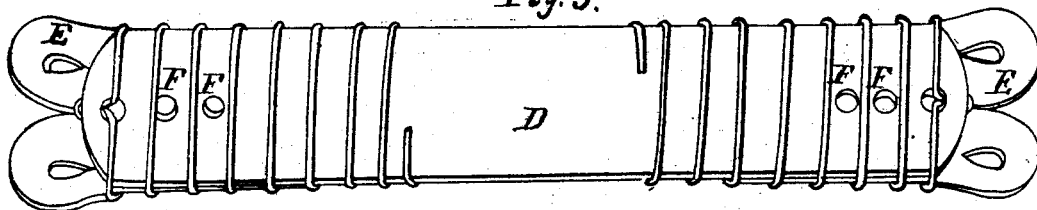
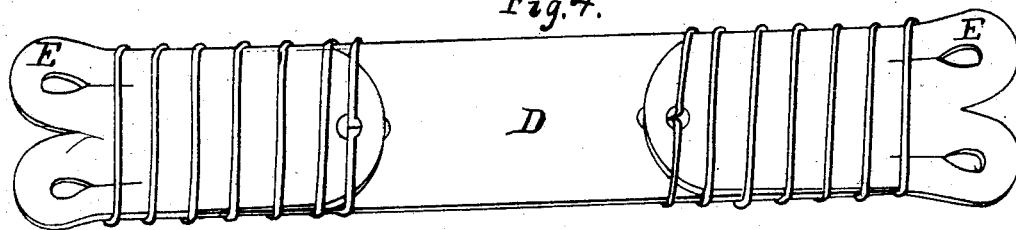


Fig. 4.



UNITED STATES PATENT OFFICE.

WALTER HUNT, OF NEW YORK, N. Y.

MODE OF MAKING SPIRAL SPRINGS FOR BELTS, PANTALOONS, VESTS, &c.

Specification of Letters Patent No. 649, dated March 21, 1838.

To all whom it may concern:

Be it known that I, WALTER HUNT, of the city, county, and State of New York, have invented a new and useful mode of constructing or forming flat, coiled, or spiral wire springs, adapted to various purposes of dress, such as pantaloons-straps, vest-backs, suspenders, belts, &c., and that the following is a faithful description thereof.

- 10 In forming springs for the above purposes I use about No. 20 steel wire (other metals may be used) which by hand in a turning lathe or otherwise I wind spirally around a flat steel arbor or blade of suitable dimensions, (a piece of thin, inch hoop iron may answer the purpose) upon this the wire is wound, the turns about $\frac{1}{4}$ inch apart, see Figure No. 1 in the annexed drawing—arbor A, spring B. Thus far there is no novelty in the spring or mode of forming it; I next proceed to withdraw the arbor or mandrel, and with pliers or otherwise, I form hooks or tongues of and upon the projecting ends of the wire of which the spring is composed. 25 See Fig. 2, C C. In this last forming of the tongues upon the opposite ends of the spring, consists the novelty and utility of

my invention in as much as it affords the most simple and advantageous means of attaching the spring to straps, &c., in such manner that it may act by extension and perform the twofold office of spring and buckle as exhibited in Figs. 3 and 4 which represent an inner and outside view of a strap for the bottom of pantaloons composed of one long and two short straps see D and E E. The ends of which pass through two springs Fig. 2, and receive the tongues or hooks C C in graduating holes punched in the ends of the long center strap D at F F F F. The same mode of attaching is applicable to belts, suspenders, &c.

What I claim and desire to secure by Letters Patent is—

The forming of hooks or tongues upon the ends of flat spiral spring designed to act by extension and to be attached in the manner and for all, and especially the purposes herein above set forth.

New York Jany 20th 1838

WALTER HUNT.

Witnesses:

HENRY PRAY,
D. E. WHEELER.