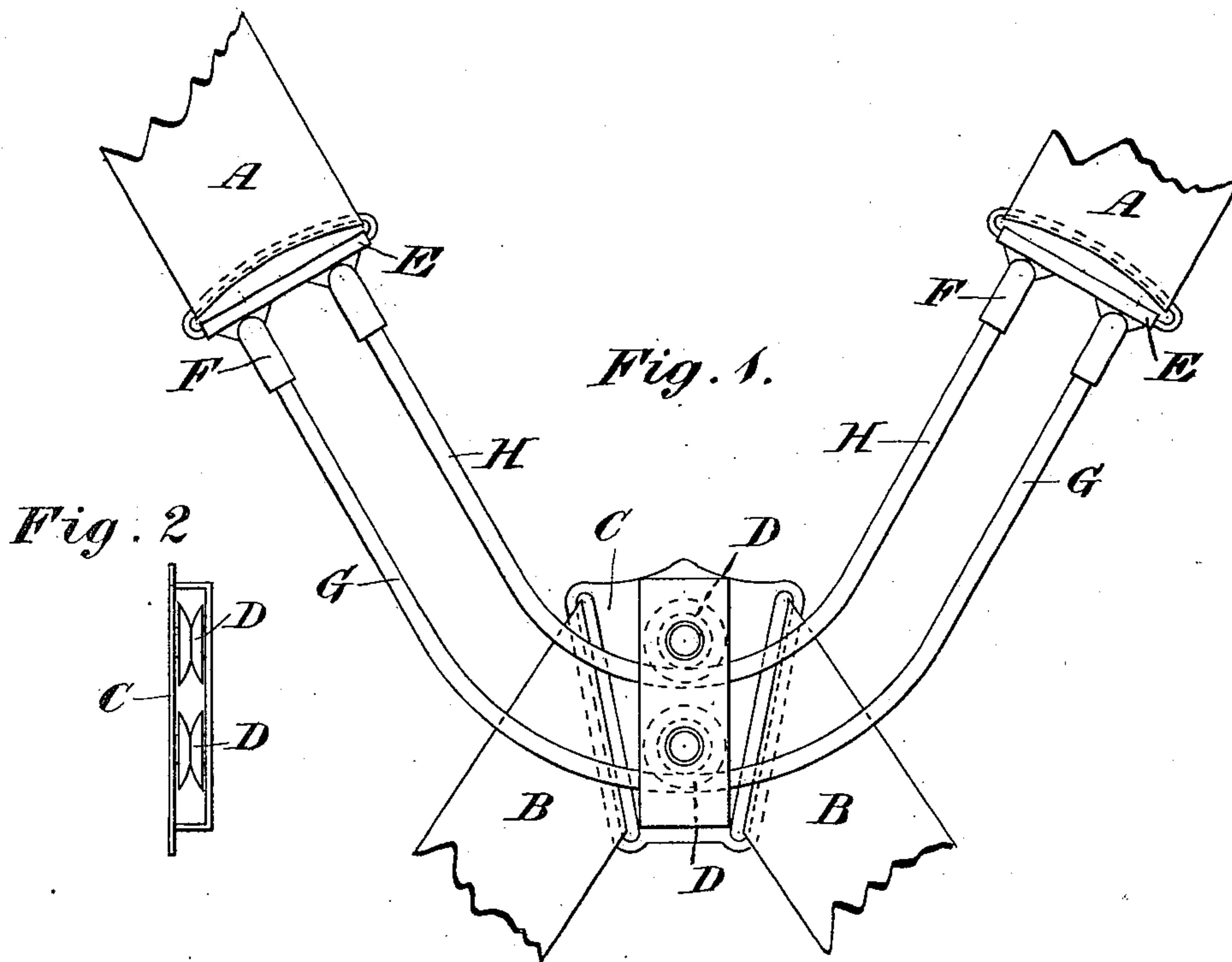


(No Model.)

W. & H. TURNER.
SUSPENDERS.

No. 246,353.

Patented Aug. 30, 1881.



Witnesses.

Geo. D. Williams
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William Turner
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UNITED STATES PATENT OFFICE.

WILLIAM TURNER AND HENRY TURNER, OF MONTREAL, QUEBEC, CANADA.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 246,353, dated August 30, 1881.

Application filed March 21, 1881. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM TURNER and HENRY TURNER, both of the city and District of Montreal, Province of Quebec, Canada, have
5 invented certain new and useful Improvements in Pantaloon-Suspenders; and we do hereby declare that the following is a full, clear, and exact description of the same.

This invention has reference to further im-
10 provements on the invention for which Letters Patent of Canada No. 10,830 were granted to us January 18, A. D. 1880, and Letters Patent of the United States No. 225,082 were granted to us March 2, A. D. 1880, to produce a cheaper
15 form of pantaloons-suspenders than the invention patented as aforesaid.

In the drawings hereunto annexed, similar letters of reference indicate like parts, and Fig-
20 ure 1 is a plan of a part of a suspender, showing the change made in our previously-patented invention, as aforesaid. Fig. 2 is a side elevation of the pulley-block.

Letters A are the shoulder-straps, as in the aforesaid patents; and B is the corresponding
25 forked back extension of A, similar to that shown and described in the aforesaid patents, also terminating at its lower ends in every respect in a similar manner. In this case, instead of each extremity (at the back) of the shoulder-straps A and the upper extremity of the
30 fork B being provided with a pulley, the fork B is provided with a pulley-block, C, in which two pulleys, D, are axled or pivoted in any ordinary way.

35 To the ends of the shoulder-straps are attached, one to each, a clasp, E, each clasp

having two sockets, F, of ordinary construction for receiving within them and holding securely the end of the cords G and H, which
40 will be so adjusted in length that when the pulley-block C is in place and a strain is caused on the shoulder-straps the cords G and H will strain equally upon the respective pulleys D that they pass round. Thus as the user of
45 the suspenders raises one shoulder higher than the other the suspenders are enabled to accommodate the same, and yet keep an equal distribution of the weight on each shoulder by the passing or running of the cords G and H
50 through the pulley-block C.

The object of having two cords is, first, to give a double strength and wearing-surface; and, secondly, and perhaps more importantly, it prevents the shoulder-straps from twisting
55 as much, or getting wrong side up, which they would be very much inclined to do if only one of the cords were used.

What we claim, and wish to secure by Letters Patent, is as follows:

The combination of the fork B, constructed
60 as described, having a single block, C, said block being provided with sheaves D, as described, with the shoulder-straps A, provided with cords G and H, the whole constructed, arranged, and operated as and for the purposes
65 set forth.

WILLIAM TURNER.
HENRY TURNER.

Witnesses:

JOHN K. ANDREWS,
LOUIS DICKY.