

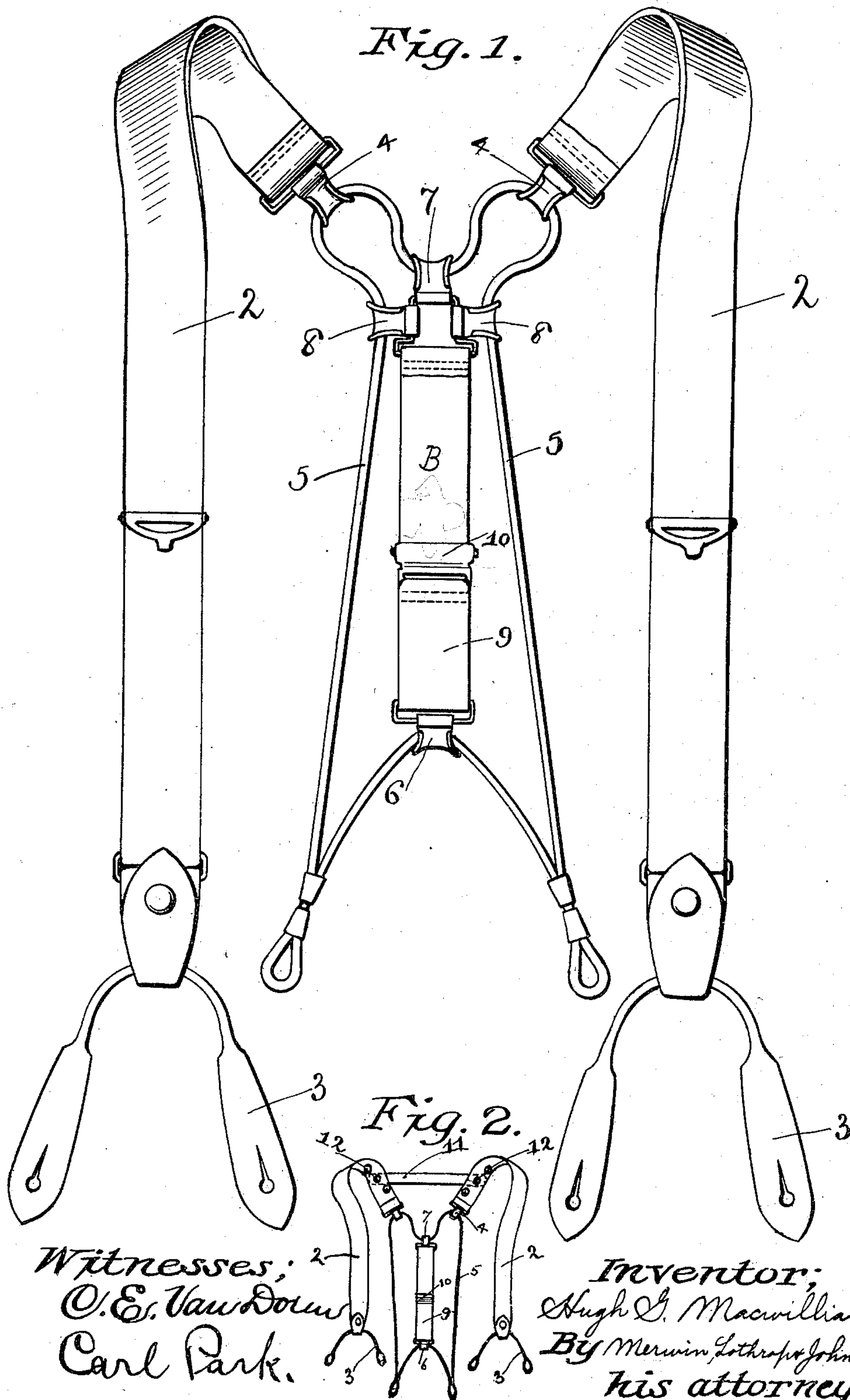
No. 609,286.

Patented Aug. 16, 1898.

H. G. MACWILLIAM.
SUSPENDERS.

(Application filed Oct. 19, 1897.)

(No Model.)



UNITED STATES PATENT OFFICE.

HUGH G. MACWILLIAM, OF ST. PAUL, MINNESOTA.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 609,286, dated August 16, 1898.

Application filed October 19, 1897. Serial No. 655,718. (No model.)

To all whom it may concern:

Be it known that I, HUGH G. MACWILLIAM, of St. Paul, Ramsey county, Minnesota, have invented certain Improvements in Suspenders, of which the following is a specification.

My invention relates to improvements in suspenders, its object being to relieve the strain upon the suspender caused by the varying positions assumed by the wearer in the bending of the body and to cause an easier working of the parts of the suspender and a greater elasticity than in the ordinary constructions.

To this end my invention consists in the improved construction hereinafter specifically described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is a view of a pair of suspenders fitted with my improvements, and Fig. 2 is a modified construction thereof.

In the drawings the suspender is provided with the ordinary shoulder-straps 2 and the sliding loops 3, adapted to be buttoned to the front of the trousers. The rear ends of the shoulder-straps are provided with the metallic eyes 4, through which passes the cord 5, adapted to be buttoned to the rear of the trousers and forming the connection between the same and the shoulder-straps.

B represents a band, preferably of elastic, which is provided at its lower end with an eye 6, through which the lower portion of the cord 5 passes, and is provided with eyes 7 and 8 at its upper end, forming supporting-guides for the top and side portions, respectively, of the cord. The band B is formed with a looped end 9, provided with a clamp 10, adapted to slide upon the body portion of the band, whereby the same may be adjusted in length.

In the construction shown in Fig. 2 the eyes 8 are removed and the shoulder-straps connected by a band 11, preventing spreading of the same. The connecting-band 11 preferably has a detachable button connection 12 with the shoulder-straps, whereby its height may be adjusted where necessary to fit the suspender to the wearer.

In the use of my improved suspender the cord 5 will slide freely through the eyelets upon the shoulder-strap and central band B and adapt the shoulder-straps to the different movements of the wearer without strain, the band B giving any elasticity that is necessary. It will be evident that this combined sliding and elasticity will allow the suspenders to conform to any possible movement of the wearer without strain. Where the shoulders of the wearer are unevenly raised, the sliding of the cords will cause the lengthening of the proper shoulder-strap, and thus conform the suspender to the different heights of the shoulder.

I claim—

1. In a pair of suspenders, the combination with the shoulder-straps, of the cord having sliding connection therewith and adapted to be detachably connected to the trousers, the elastic band, and the eyelets upon said band serving as guides for said cord.

2. In a pair of suspenders, the combination with the shoulder-straps, of the cord having sliding connection therewith, the extensible elastic band, and the eyelets carried by said band and serving as guides for said cord.

3. A pair of suspenders, comprising the shoulder-straps, the means for connecting said shoulder-straps with the rear portion of the trousers, consisting of an independent band, and the cord having sliding connection with the band and with the shoulder-straps.

4. A pair of suspenders, comprising the shoulder-straps, the means for connection between the same and the rear portion of the trousers, consisting of an independent extensible band, the eyelets carried by said band, and the cord passing through said eyelets and having sliding connection with the shoulder-straps, and the means for detachable connection with the trousers.

In testimony whereof I affix my signature in presence of two witnesses.

HUGH G. MACWILLIAM.

Witnesses:

H. S. JOHNSON,
MINNIE L. THAUWALD.