No. 820,487. PATENTED MAY 15, 1906.

H. J. GAISMAN.

COMBINED SUSPENDERS AND WAIST BELT.

APPLICATION FILED JULY 24, 1903.

2 SHEETS—SHEET 1.

Fig. 1.

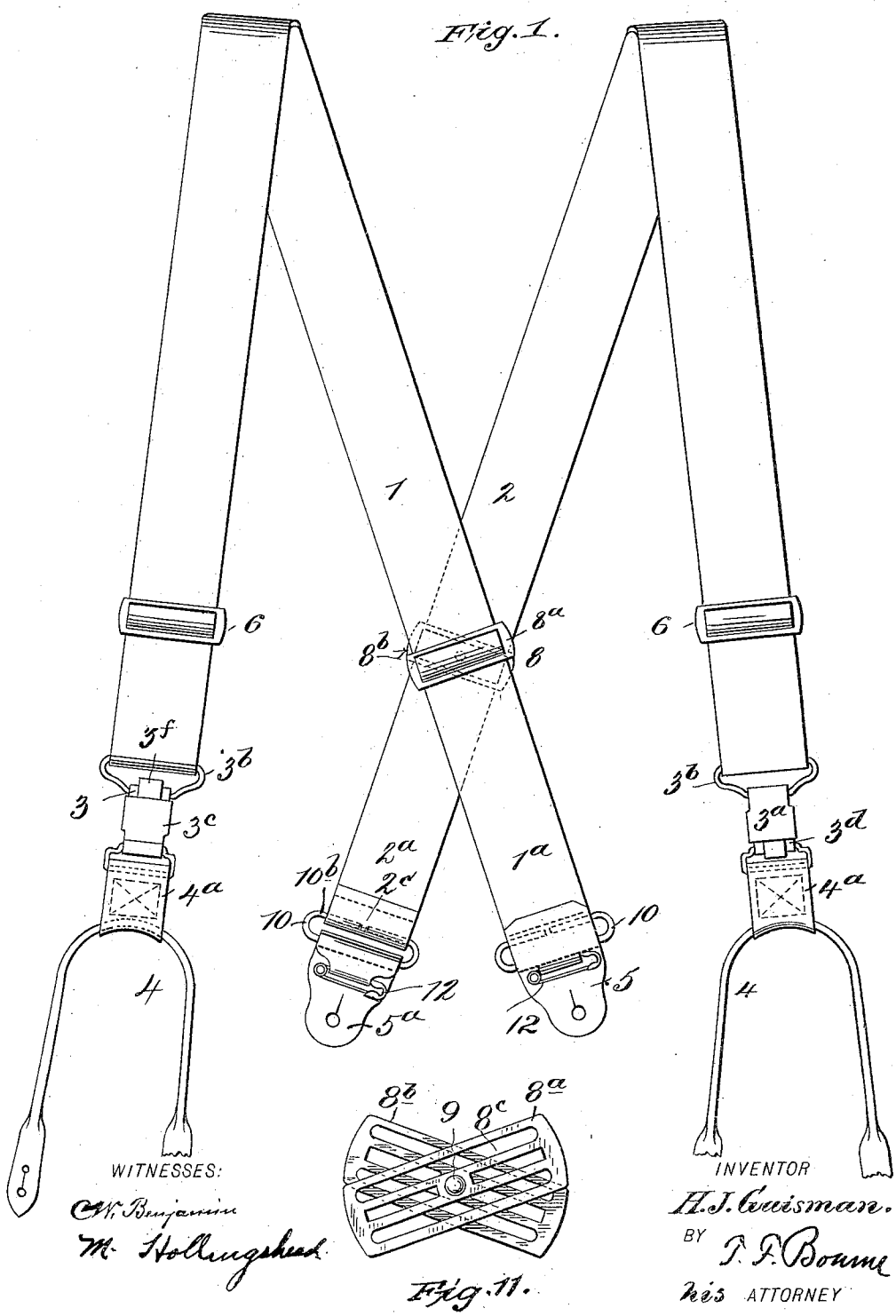


Fig. 11.

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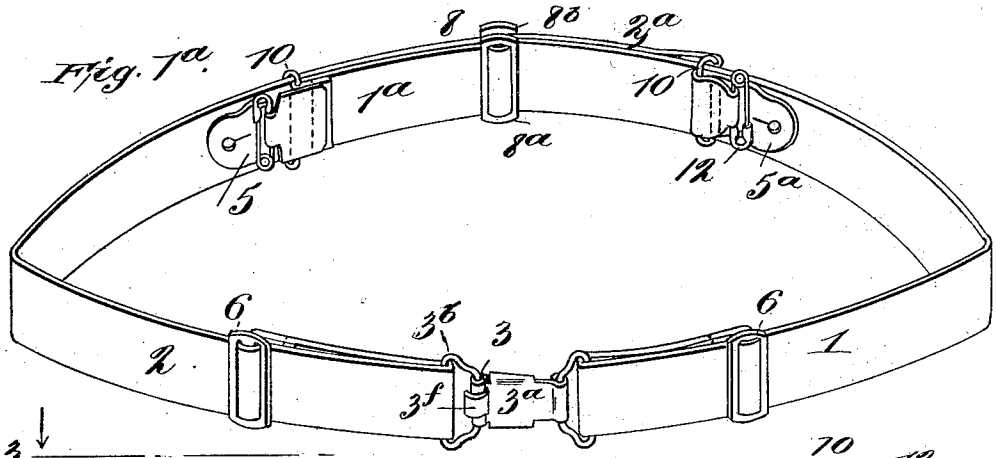
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2 SHEETS—SHEET 2.



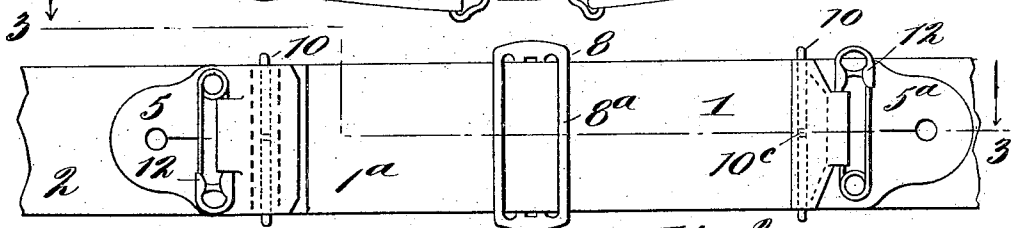


Fig. 2.

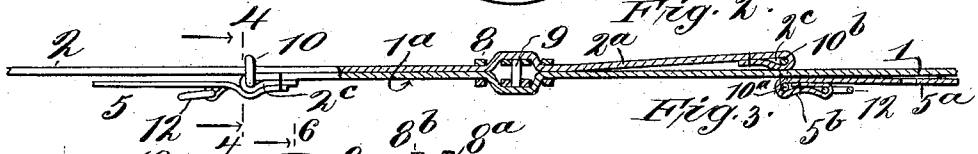


Fig. 3.

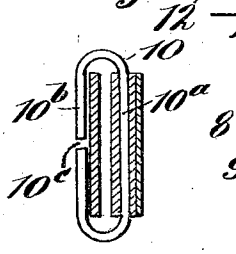


Fig. 4.

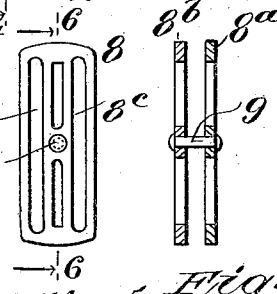


Fig. 5

Fig. 6.

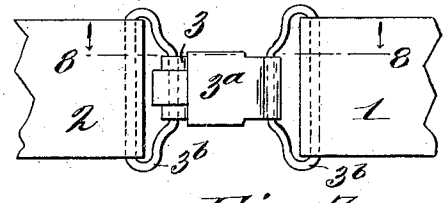


Fig. 7.

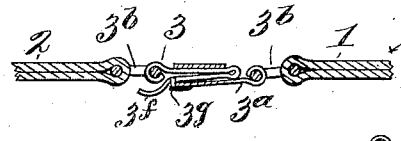


Fig. 8.

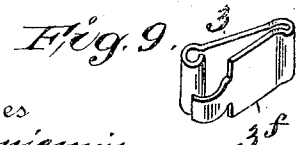


Fig. 9.

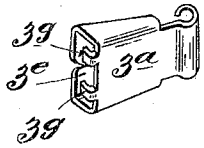


Fig. 10.

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UNITED STATES PATENT OFFICE.

HENRY J. GAISMAN, OF NEW YORK, N. Y.

COMBINED SUSPENDERS AND WAIST-BELT.

No. 820,487. Specification of Letters Patent. Patented May 15, 1906.

Application filed July 24, 1903. Serial No. 166,803.

To all whom it may concern:

Be it known that I, HENRY J. GAISMAN, a citizen of the United States, and a resident of New York city, borough of Manhattan, New York, have invented certain new and useful Improvements in a Combined Suspenders and Waist-Belt, of which the following is a specification.

The object of my invention is to provide an article for personal wear which can be used for supporting trousers either in the form of suspenders or by a simple manipulation of the parts as a waist-belt, or vice versa, and which when used in the form of a belt can have its tabs at the back portion attached to the waist-line or back buttons on the trousers and concealed by the webbing or strap parts, provision being made for adjusting the length of the article for use as suspenders or belt, as the case may require.

To these and other ends my invention contemplates the novel details of improvement that will be more fully hereinafter set forth and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part hereof, wherein—

Figure 1 is a general view of the article arranged for use as suspenders. Fig. 1^a is a view of the same arranged for use as a belt. Fig. 2 is an enlarged detail view of part of the same at the back portion. Fig. 3 is a section on the line 3 3 in Fig. 2 looking in the direction of the arrows. Fig. 4 is a section on the line 4 4 in Fig. 3 looking in the direction of the arrows, showing means for connecting the back-button tabs with the main strap. Fig. 5 is a detail face view of the swivel-like keeper for connecting the two main straps. Fig. 6 is a section on the line 6 6 in Fig. 5. Fig. 7 is an enlarged detail view of the members that serve as a buckle for the belt and to connect the main straps with the suspender-ends. Fig. 8 is a section on the line 8 8 in Fig. 7 looking in the direction of the arrows, showing the parts clamped together for use as a buckle. Figs. 9 and 10 are detail views of said buckle members; and Fig. 11 is a detail view, enlarged, of the swivel-keepers for the main straps.

Similar numerals of reference indicate corresponding parts in the several views.

In the drawings the numerals 1 2 indicate suitable straps or webbing which at the front ends are connected with clasps or frames 3 3^a, to which suspender-ends 4 are adapted to be connected, and at the opposite or back ends the main straps 1 2 are respectively connected with tabs 5 5^a, provided with buttonholes or other means for connection with the waist-band of trousers, as to the back buttons at the waist-line.

Any suitable means may be provided for adjusting the relative length of the parts 1 2 at the front, as customary in suspenders and waist-belts, and in the example illustrated I have shown slides 6 of well-known form, to which the ends of the straps are connected, links or loops 3^b receiving the looped ends of said straps to provide a take-up in well-known manner.

The links or loops 3^b are connected with the members 3 3^a and corresponding complemental members 3^c 3^d and connected with the suspender-ends 4, as by connecting members 4^a. The clasps or frames 3 3^a and their complemental members 3^c 3^d that I have shown are of the male and female class, (illustrated more fully in Figs. 9 and 10,) wherein the female member has a socket 3^e to receive the male member, the latter having a spring-action portion 3^f to engage a projection or projections 3^g on the female member, whereby said members may be readily locked together by passing one into the other and as readily disconnected. The links or loops 3^b are shown engaging the loop-end portions of the clasp member 3 3^a. As shown, one suspender-strap has a male member 3 and the other strap a female member 3^a, whereby the member 3 may enter the female member 3^c of the suspender-end 4, and the female member 3^a will receive the male member 3^d of the other suspender-end, the members 3^c 3^d thus serving as a cast-off for the suspender-ends. When the suspender-ends are disconnected from the strap members 3 3^a, the latter may be secured together like a buckle when the free ends of the article are to be secured together in the nature of a waist-belt, as shown in Fig. 1^a.

The back portion of the straps 1 2 are pivotally connected together, as at 8, to retain the back ends 1^a 2^a separated when the article is used as suspenders, as shown in Fig. 1, and the arrangement is such that the straps 1 2 may be turned relatively to each other and brought to the same plane or parallel to each other, or substantially so, when the article is to be used as a waist-belt, as shown in Fig. 1^a. To permit such adjustment of

the parts and also to permit the pivotal point at the back of the straps 1 2 to be altered with respect to the length of the straps, I provide an arrangement as follows: Two frames 8^a 8^b are pivoted together centrally, as by a pivot 9, (see Figs. 3 and 6,) and said frames each have a pair of slots 8^c, through which the straps 1 2 are adapted to be passed in the manner of a sliding connection, as shown in Fig. 3. From this it will be apparent that either strap 1 2 may be adjusted lengthwise through its frame 8^a or 8^b, whereby the frame may be brought nearer to or farther from the tabs 5 5^a, and the two frames may swing on the pivot 9 to permit straps 1 2 to provide for suspenders, as in Fig. 1, or for a belt, as in Fig. 1^a.

When the straps 1 2 are first brought to position for use as a belt, so that the back portions will lie substantially parallel to each other, as in Fig. 1^a, the short end of one strap will lie within and the short end of the other strap will lie without the circle of the belt, as shown in Fig. 1^a. In the position of the parts in said figure the end 1^a of strap 1 and the tab 5 lie on the inner side of strap 2, and the end 2^a of strap 2 lies on the outer side of strap 1, while the tab 5^a would also lie on the outer side of strap 1; but to enable the tab 5^a to be located along the inner face of strap 1 (and to permit the similar adjustment of tab 5 should the straps 1 2 have been turned with respect to each other at the swivel 8 in a relatively reverse direction) and also to permit the ends 1^a 2^a to be conveniently attached to the corresponding strap to keep such parts from relative vertical or edgewise movement with respect to each other I provide loop-like frames 10 at the ends 1^a 2^a of the straps adapted to receive the main parts of the straps, as in Fig. 1^a. The frames 10 I have shown comprise a wire bent in substantially loop form, providing sides 10^a 10^b, one side being divided, providing an opening 10^c to permit the strap to slide through edgewise. In the example shown the tab 5^a is provided with a loop 5^b, that receives the side 10^a of frame 10, and the strap end 2^a has a loop 2^c, adapted to be connected with the side 10^b by slipping the loop through the slot 10^c. The side 10^a of the other frame 10 connects with loop 2^c at the end of strap end 1^a, which loop folds around said side 10^b, and tab 5 is shown connected with 1^a at the end of the latter by stitches to connect with a trouser-band button. When the parts are brought to the position shown in Fig. 1^a, the strap 2 is passed through the opening 10^c of frame 10 of tab 5, as shown in Fig. 4, and frame 10 is first disconnected from loop 2^c at the end 2^a, and then strap 1 is slipped through opening 10^c of said frame, and the loop 2^c is again connected with side 10^b of said frame, thereby bringing tab 5^a on the same face of the belt as the tab 5. (See Fig. 3.) Except for such adjustment the tab 5^a would otherwise be on the outer side of strap 1.

The result of the above-mentioned manipulations is that both tabs 5 5^a are brought on the inner face of the belt so formed in position to be connected to the waist-line or waistband of trousers, as to the back buttons on the waistband, and the distance between the tabs 5 5^a to accommodate for the distance between such trouser-buttons may be adjusted by sliding the straps 1 2 through the frame 8 the required distance. Furthermore, by attaching the tabs 5 5^a to the waist-line or waistband and pulling on one or both straps the waistband may be tightened around a waist, the strap sliding through its frame at 8.

If desired, safety-pins 12 may be attached to the tabs 5 5^a, as shown, to enable the ends 1 1^a to be connected with a waist-line or waistband instead of to the buttons, and particularly where the waistband is not provided with buttons. As shown in Fig. 3, a loop-strip is cut out of tab 5, looped around the bar of pin 12 and secured, and the end portion of tab 5^a is looped at 5^b around a bar of corresponding pin 12 and secured by stitches. After the parts are adjusted as described the length of the belt around a waist may be adjusted by means of slides 6.

With my improvements as above set forth the article may be used as suspenders for trousers by disconnecting the frames 10 in Fig. 1^a from the main part of the straps 1 2, having the tabs suspended from the ends 1^a 2^a and connecting the suspender-ends 4 to the clasps or frames 3 3^a, as shown in Fig. 1, the frames 8^a 8^b being adjusted to the desired position along the straps 1 2 and assuming the required angular positions as shown in Fig. 1.

To use the article as a belt, the suspender-ends are disconnected from clasps or frames 3 3^a and the parts adjusted to the positions shown in Fig. 1^a, as before described, and while the parts are so adjusted connection of the ends 1^a 2^a with the adjacent main parts of the straps keeps the belt in position on the waist-line of the trousers at the back, so that the trousers at such part will not slip below the belt and the latter will not rise above the waist-line. In other words, the arrangement provides a connection at the back between the main parts of the straps and the trouser-waistband.

I do not limit my invention to the details of construction shown and described, as various changes may be made without departing from the spirit of my invention.

Having now described my invention, what I claim is—

1. As a new article of manufacture, a combined suspender and belt comprising a pair of straps pivotally and adjustably connected

together at the back portion and provided with means at the front portion for connection with the waistband of trousers in the manner of suspenders, means at the front ends of the straps for connecting them together in the manner of a waist-belt, and means at the back ends of said straps for permitting said ends to be connected with the waistband when said straps are placed parallel in the manner of a belt and when used as suspenders, substantially as described.

2. An article of the character described comprising a pair of straps pivotally and adjustably connected together near their back portions and provided at their front ends with clasps or frames for connection with suspender-ends, said clasps or frames being adapted to be connected together in the manner of a buckle, the back ends of said straps being provided with means for connection with a waistband, and means to connect the back end of a strap with the main portion of an adjacent strap to retain said parts from edgewise movement with respect to each other, substantially as described.

3. An article of the character described comprising a pair of straps pivotally connected at the back portions at a distance from their ends and provided at the front ends with means for connecting the ends together in the manner of a belt, said straps being provided at their back ends with means for connection with a waistband, said straps being adapted to be arranged in parallel relation at the back portion, and a frame carried by the back end portion of a strap beyond the pivot adapted to receive the main portion of an adjacent strap, whereby the adjacent parts of the straps will be retained from edgewise movement with respect to each other, substantially as described.

4. An article of the character described comprising a pair of straps provided at the back portions with a pair of frames pivotally connected together at a distance from their ends and each arranged to adjustably connect with a strap, the front ends of said straps being provided with means for supporting suspender-ends and for connecting together the ends of the straps in the manner of a belt, tabs connected with the straps at the back ends and provided with means for connection with a waistband, and means for connecting the back ends of the straps beyond the pivot with the adjacent main parts thereof to retain the parts from edgewise movement with respect to each other, substantially as described.

5. An article of the character described comprising a pair of straps provided with means at their front ends for supporting suspender-ends and for connecting the straps together in the manner of a belt, means at the back portion of the straps at a distance from their ends for adjustably connecting them together so that they may extend in substantially parallel relation, button-tabs at the back ends of said straps beyond their point of connection, and a frame at the back end of a strap having means to permit the adjacent strap to be passed through said frame to retain the parts from edgewise movement with respect to each other, substantially as described.

6. An article of the character described comprising a pair of straps pivotally connected together at a distance from their back ends and provided at their front ends with means for sustaining suspender-ends and for connecting the ends of the straps together in the manner of a belt, tabs at the back ends of the straps beyond the pivots provided with means for connection with a waistband, frames connected with said tabs and means for connecting said frames with the corresponding strap ends, and means to permit a portion of a strap to enter the adjacent frame when the straps are placed in substantially parallel relation, substantially as described.

7. An article of the character described comprising a pair of straps pivotally connected together at a distance from their back ends and provided at their front ends with means for sustaining suspender-ends and for connecting the ends of the straps together in the manner of a belt, means at the back ends of the straps beyond the pivot for connection with a waistband, and a frame carried by a strap and having a space adapted to receive the adjacent strap to retain said parts together, substantially as described.

8. An article of the character described comprising a pair of straps pivotally connected together near their back portions and provided at their front ends with means for sustaining suspender-ends and for connecting the ends of the straps together in the manner of a belt, means at the back ends of the straps for connection with a waistband, and a frame carried by a strap and having an opening in its side to receive between its sides the adjacent strap, substantially as described.

9. An article of the character described comprising a pair of straps pivotally connected together near their back portions and provided at their front ends with means for sustaining suspender-ends and for connecting the ends of the straps together in the manner of a belt, tabs at the back ends of the strap for connection with a waistband, one of the tabs being detachably connected with its strap, and a frame having means to connect the strap and tab and to receive the adjacent portion of a strap to permit the tab to lie on the inner face of the strap, substantially as described.

10. An article of the character described comprising a pair of straps provided with means at their front ends for supporting suspender-ends and for connecting the straps to-

gether in the manner of a belt, a pair of frames at the back portion of said straps at a distance from the ends pivotally connected together and arranged to permit sliding adjustment along said straps respectively, tabs at the back ends of the straps, and means for detachably connecting one of said tabs with the strap to cause both tabs to lie on the inner face of the straps when arranged as a belt, substantially as described.

11. An article of the character described comprising a pair of straps pivotally connected together at a distance from their back ends, said straps having at their front ends male and female complemental clasps for connecting the ends of the straps in the manner of a belt, and suspender-ends provided with male and female clasps adapted to engage the corresponding clasps on the straps, with tabs at the back ends of the straps, and a frame detachably connecting a strap with one tab, said frame having an opening in one side to permit the passage of a strap into the space between its sides, substantially as described.

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