

M. BONO.
SUSPENDERS.

APPLICATION FILED FEB. 29, 1912.

Patented Oct. 1, 1912.

1,040,128.

Fig. 1.

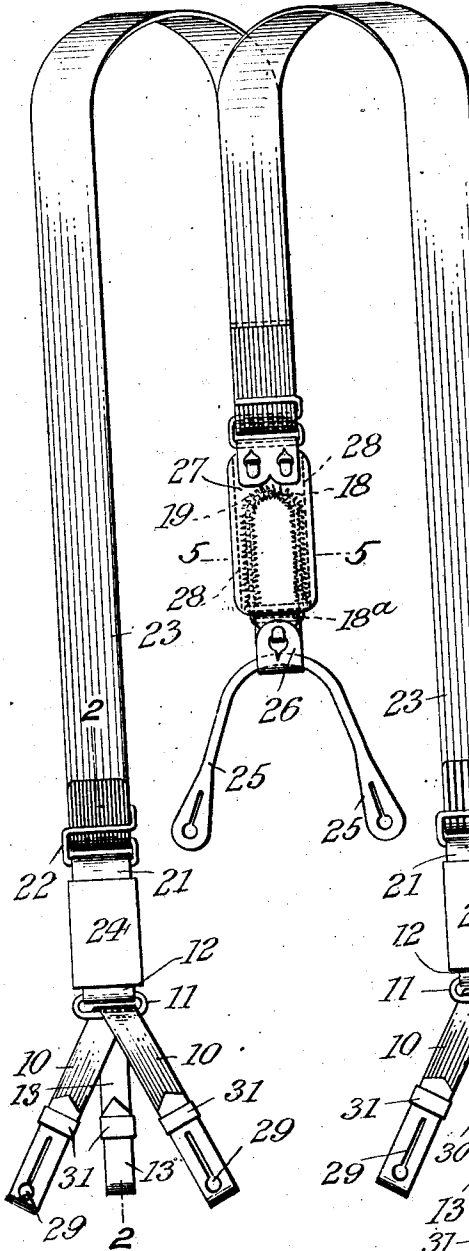


Fig. 2.

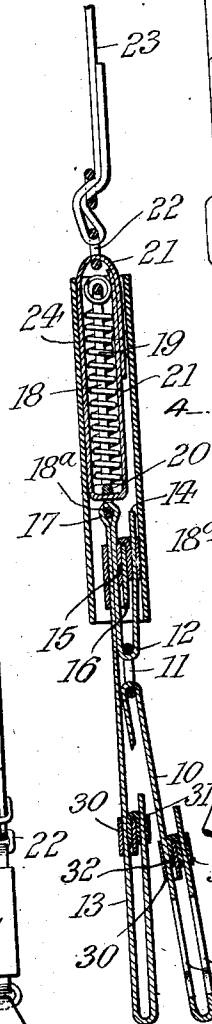


Fig. 3.

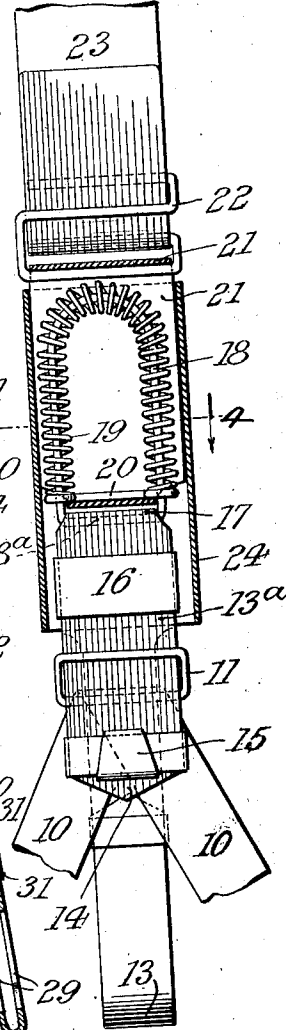
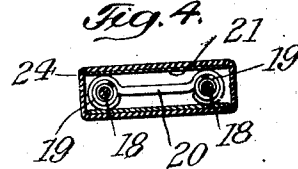


Fig. 4.



INVENTOR

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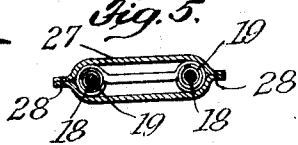
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Fig. 5.



UNITED STATES PATENT OFFICE.

MICHELANGELO BONO, OF NEW YORK, N. Y.

SUSPENDERS.

1,040,128.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MICHELANGELO BONO, a citizen of Italy, residing at New York city, county and State of New York, have invented a new and Improved Suspender, of which the following is a specification.

This invention relates to suspenders of novel construction which possess a high degree of elasticity, even with inelastic shoulder straps or with shoulder straps that have become stretched by wear.

The suspenders may be readily assembled or dismembered and may be secured to trousers having either buttons, button holes or other fastening means.

In the accompanying drawing: Figure 1 is a front view of suspenders embodying my invention; Fig. 2 an enlarged section on line 2-2, Fig. 1; Fig. 3 a face view of the spring connection between web and tab with some of the parts in section; Fig. 4 a cross section on line 4-4, Fig. 3, and Fig. 5 a cross section on line 5-5, Fig. 1.

The tabs 10 which are adapted to be attached to the trousers pass through an oblong eye 11 seated within an upper fold 12 of the tab 13, which is adapted to be attached to the drawers. A flap 14 on the upper widened end 13^a of tab 13 is provided with a hook or similar fastening member 15 adapted to engage an eye 16 on the body of the tab. By opening this hook and lowering the flap, eye 11 carrying tabs 10 may be readily removed or applied. In addition to fold 12, tab 13 is provided with a second upper fold 17 that accommodates the lower bar 18^a of an elongated wire bail 18. The two parallel shanks and the upper bow of this bail are encircled by a continuous spiral spring 19, below which the shanks are encompassed by a vertically movable slide or cross head 20. This slide is seated within the lower fold of a doubled or endless strap 21, the upper fold of which accommodates the lower bar of a substantially S-shaped coupling member 22. Around the

upper bars of this member is removably folded the forward end of one of the shoulder straps or webs 23. In order to reduce any possible pressure of spring 19 against the body of the wearer, strap 21 is encompassed by a flexible tubular sleeve 24 that likewise serves to close up the strap along its right and left edges, so that the spring becomes completely pocketed. It will be seen that by the construction described any pull on the suspenders will cause cross head 20 to play along bail 18 and as this cross head is under the continuous influence of spring 19, a high degree of resiliency is obtained.

The rear tabs 25 are secured to the cross bar 18^a of bail 18 by a strap 26, said bail being surrounded by a spring 19 as previously described. The strap 27 that passes around the bail is shown to be stitched together along its right and left edges, as at 28 (Fig. 5), so that sleeve 24 may here be omitted. Each tab 10 is provided with button holes 29 adapted to become alined when the tab is folded. Tabs 10, 13 are encircled by a pair of metal bands 30, 31, of which band 31 is provided on its inner side with a hook 32 which is adapted to be inserted into band 30. By this construction, the tabs may be secured to trousers having button holes as well as buttons, and as the hooks 32 are formed on the inner sides of the tabs, they will be entirely invisible and will not be apt to come into contact with the hand of the wearer.

I claim:

In a suspender, a drawer-tab having a permanent fold and an openable fold, fastening means for the last named fold, a trouser-tab removably supported by said last named fold, a shoulder strap, and means engaged by the permanent fold for yieldingly connecting the drawer-tab to said strap.

MICHELANGELO BONO.

Witnesses:

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KATHERYNE KOCH.