

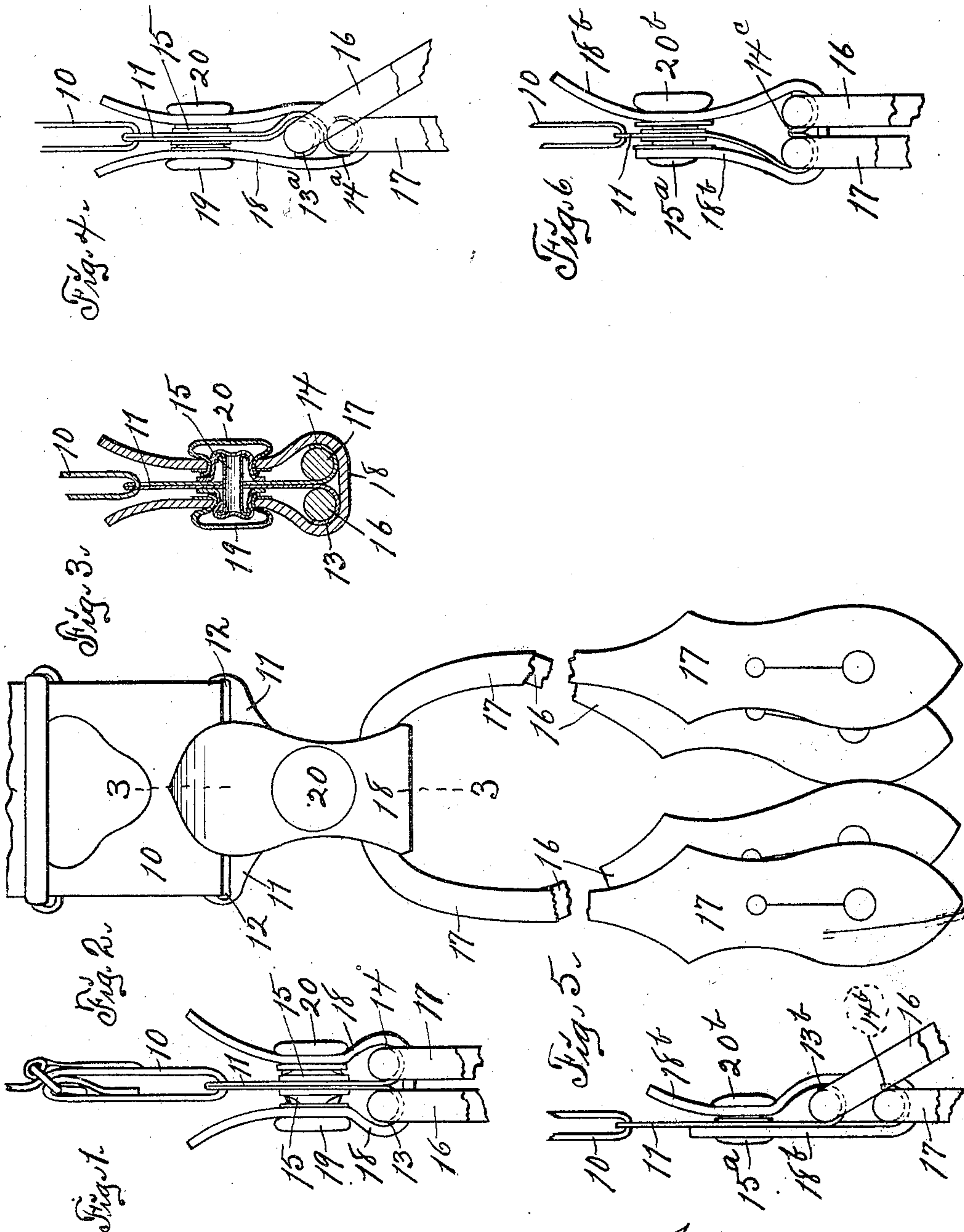
E. P. HUDSON & F. W. MALLY.

SUSPENDERS.

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Attest:
E. W. Miller
L. K. Leibrock

Inventors:
Frederick W. Mally and
Edwin P. Hudson,
By *J. H. Sweet* Att'y

UNITED STATES PATENT OFFICE.

EDWIN P. HUDSON. OF DES MOINES, IOWA, AND FREDERICK W. MALLY, OF GARRISON, TEXAS.

SUSPENDERS.

993,527.

Specification of Letters Patent.

Patented May 30, 1911.

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To all whom it may concern:

Be it known that we, EDWIN P. HUDSON, a citizen of the United States of America, and resident of Des Moines, Polk county, Iowa, and FREDERICK W. MALLY, a citizen of the United States of America, and resident of Garrison, Nacogdoches county, Texas, have invented certain Improvements in Suspenders, of which the following is a specification.

The object of this invention is to provide improved means for supporting trousers and drawers, or two garments of similar form, simultaneously by the same suspenders.

A further object of this invention is to provide improved means for supporting a plurality of suspender straps conjunctively on the front ends of suspended webs, in such manner that either of said straps may be moved longitudinally, or laterally, or removed or replaced relative to its support independent of the other.

A further object of this invention is to provide means for supporting a plurality of straps at the same altitude on a single suspender web.

A further object of this invention is to provide improved means for conjunctively supporting a plurality of straps on a single suspender web.

Our invention consists in the construction, arrangement and combination of elements hereinafter set forth, pointed out in our claims and illustrated by the accompanying drawing, in which—

Figure 1 is a side elevation illustrating means for mounting two tabs or straps at the same altitude and conjunctively supported on a single web or shoulder strap. Fig. 2 is a front view of the same. Fig. 3 is a vertical section on the indicated line 3—3 of Fig. 2. Fig. 4 is an edge elevation of a modified form of supporting means. Fig. 5 is an edge view of a further modified form of supporting means. Fig. 6 is an edge view of a further modified form of supporting means.

In the construction of the device as illustrated in Figs. 1, 2 and 3, the numeral 10 designates an end loop formed in the front portion of a shoulder strap or elastic web of suspenders in a common and well known manner. A clip 11 is provided and preferably is formed of a single piece of metal bent at its center and flattened and formed

with a slot 12 transversely of its folded end, adapted to admit and slide in the loop 10, and also formed with oppositely extending hooks 13, 14 in its ends. The folded and slotted portion of the clip 11 preferably is materially wider than the end portions with the hooks. A double stud 15 (of separable button type at each end) is mounted through and projects from opposite sides of the clip 11 adjacent the slot 12. Tabs 16, 17, in this instance two in number and formed with button-holes in each end, are mounted loosely in and supported at their centers by the hooks 13, 14. The tabs 16, 17 are adapted for engagement with buttons on bifurcated garments, such as trousers, drawers and overalls, and are free to move longitudinally in the hooks and also to be lifted out of the hooks manually when desired. A keeper 18 is provided and preferably is made of leather and provided with sockets or eyelets 19, 20 (of separable button type) at each end. The keeper 18 is adapted to be mounted around the lower end of the clip 11 and across the openings of the hooks 13, 14 and be secured to the clip by engagement of the sockets 19, 20 with the ends of the stud 15. The stud 15 and sockets may be of any desired construction so long as they embody the characteristics of separable buttons adapted to detachably connect the ends of the keeper to the clip. It will be observed that either end of the keeper 18 may be detached or attached independently of the other to permit the removal or replacement of either of the tabs 16, 17 independently of the other. It will be observed, also, that either or both of the tabs can be removed laterally from the hook, or replaced thereon, when either and not both of the ends of the keeper is detached from the stud 15.

The clip 11 may be made of a single piece of sheet metal slotted across one end and the hook 14 formed by cutting out and bending a portion of the metal in one direction while the hook 13 is formed by bending the surrounding portion of the metal in the opposite direction. In such construction the hook 14 would be somewhat smaller than the hook 13 but the bottoms of the hooks could be in the same horizontal plane when the suspender is in use.

The clip can be made as shown in Fig. 4, with its hooks 13^a, 14^a at different altitudes and the body of the clip and hooks curved

and offset so that the hooks are in the same vertical plane and open oppositely. In such construction the complete device would be somewhat thinner than that first described.

5 The clip can be made as shown in Fig. 5, with its hooks 13^b, 14^b one above the other and opening in the same direction. By such construction the complete device would be somewhat thinner than that first described,
10 and the double stud 15 and one of the sockets could be dispensed with through the use of a headed stud 15^a, the head of which would confine one end of the keeper 18^b and the opposite end of which would engage a
15 socket 20^b in the opposite end of the keeper.

The clip can be made as shown in Fig. 6, with a double hook 14^c adapted to support two tabs in the same horizontal plane. In this construction the arrangement of
20 keeper, stud and socket could be the same as that described in connection with Fig. 5.

All the forms shown contemplate the use of identical tabs for either garment and we prefer to use such tabs as are adapted to
25 engage buttons on each or either garment.

Either of the clips may be made in sections pivoted together or the clips and hooks may be made separately and said hooks pivoted to the button stud, if desired.

30 We claim as our invention—

1. A clip formed of sheet metal doubled flat at its center and provided with means for engaging a suspender web, a double button stud mounted through said clip, hooks

formed on the clip and adapted to support 35 two tabs, a keeper embracing said hooks, and button sockets on said keeper engaging said stud on opposite sides of the clip.

2. A clip formed with a plurality of supporting hooks adapted to support two separate tabs, and a cast-off embracing said hooks and detachably connected at each end to said clip. 40

3. Means for attaching suspenders to a plurality of garments, comprising a clip, 45 hooks on said clip, tabs loosely mounted in said hooks, a double button stud mounted through said clip, and a keeper formed with button sockets on each end adapted to engage end portions of said stud, the body of 50 the keeper embracing the hooks and tabs therein.

4. A clip formed of sheet metal doubled flat at its center and provided with means for attachment to a suspender web, said clip 55 formed with hooks, separate tabs slidably mounted in said hooks, and a flexible keeper embracing said hooks and tabs and detachably connected at its ends to and on opposite sides of said clip.

EDWIN P. HUDSON.

FREDK. W. MALLY.

Witnesses to Hudson:

S. C. SWEET,

EARL M. SINCLAIR.

Witnesses to Mally:

C. C. JOHNSON,

A. F. CADENHEAD.