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No. 881,679.

PATENTED MAR. 10, 1908.

H. C. GROS.  
FASTENING DEVICE.  
APPLICATION FILED FEB. 6, 1906.

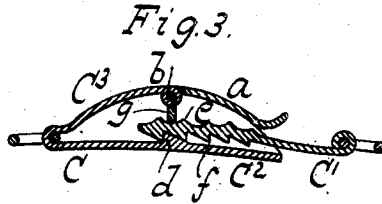
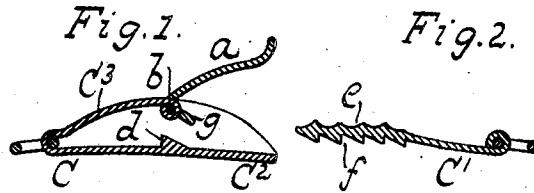


Fig. 4.

Fig. 5.

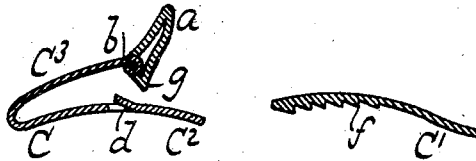


Fig. 6.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HERMANN CARL GROS, OF LEIPZIG-LEUTZSCH, GERMANY.

## FASTENING DEVICE.

No. 881,679.

Specification of Letters Patent.

Patented March 10, 1903.

Application filed February 5, 1906. Serial No. 299,647.

To all whom it may concern:

Be it known that I, HERMANN CARL GROS, subject of the King of Württemberg, residing at Leipzig-Leutzsch, Lindenstrasse, Germany, (this also being post-office address,) have invented new and useful Improvements in Fastening Devices, of which the following is a specification.

This invention relates to fastening devices.

A fastening device involving my invention may be successfully employed in connection with wearing apparel such as boots, gloves, belts, etc., as well as traveling apparatuses, such as bags, valises and the like.

A fastening device made in accordance with the invention is simple in construction, effective in use and is capable of ready and easy manipulation.

In the drawings accompanying and forming a part of this specification, I illustrate certain simple forms of embodiment of the invention which to enable those skilled in the art to practice said invention, I will set forth in detail in the following description, while the novelty of the invention will be included in the claim succeeding said description.

Referring to the said drawings, wherein all the views are in section, Figures 1 and 2 show the two members of the fastening device separated. Fig. 3 shows said members as connected together. Figs. 4 and 5 are views corresponding with Figs. 1 and 2 and illustrating a modified form of the invention. Fig. 6 is a view corresponding to Fig. 3 of said modification.

Like characters refer to like parts throughout the several figures.

The fastening device comprises a female member as C and a male member as C' adapted to enter and to be removably held within the female member. In the form of the invention shown in Figs. 1 to 3, the male member C' which generally consists of a plate has series

strip of sheet metal doubled on itself to produce prongs C<sup>2</sup> and C<sup>3</sup>. The formation of these prongs or branches produces a cavity therebetween into which is adapted to be thrust the male member or engaging plate C'. This female member can be provided with side parts or cheeks which serve to inclose or conceal the male member when in the female member so as to present a more ornamental article as it hides the rough surface of the male member but said side cheeks are not necessary elements of the fastener. As the female member is made of sheet metal the upper prong or branch C<sup>2</sup> exerts a continual tendency of yielding toward the lower prong or branch C<sup>3</sup>. Upon the inner side of the lower branch or prong C<sup>3</sup> is illustrated a projection or nose *d* usually made rigid or integral therewith, while the top prong has a projection or nose *g* which may as shown in Figs. 1 to 6 inclusive, constitute one branch of the angle lever *a* pivoted to the outer end of the upper prong C<sup>2</sup> which upper prong it will be seen is shorter than the lower or companion prong C<sup>3</sup>. The nose *g* is therefore movable with respect to the nose *d*.

In Figs. 1 and 2 I show the two members of the fastening device as separated, while in Fig. 3 such members are shown as connected together. Referring to Fig. 1, it will be seen that the long arm of the angle lever is up, the short arm *g* of said lever standing at an angle whereby the male member C' can be introduced into the female member, the teeth upon the opposite sides of said male member being so shaped as to secure this result. When the male member is inserted in the female member to the requisite extent and when the nose *d* is situated in the space between two of the teeth *f*, the long arm of the lever *a* will be swung down as shown in Fig. 3, so as to carry the short arm or nose *g* into the space between two upper teeth *e* and hold the male member against withdrawal, the teeth *f* having their faces for securing this result.

a is swung up as shown in Fig. 4 the male member C' will be released and can be easily separated from the female member C.

What I claim is:

A fastening device comprising a female member and a male member, the female member comprising an upper and a lower prong, the upper prong being resilient and of less length than the lower prong, locking means pivoted to the free end of the upper

prong and a male member adapted to be engaged by said pivoted locking means for connecting the two members together.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HERMANN CARL GROS.

Witnesses:

RUDOLPH TRICKLE,  
SOUTHARD P. WARNER.