W. E. DAVIS.

STRAP CLAMP.

APPLICATION FILED JUNE 15, 1916.

1,208,108. Patented Dec. 12, 1916.

Fig. 1.

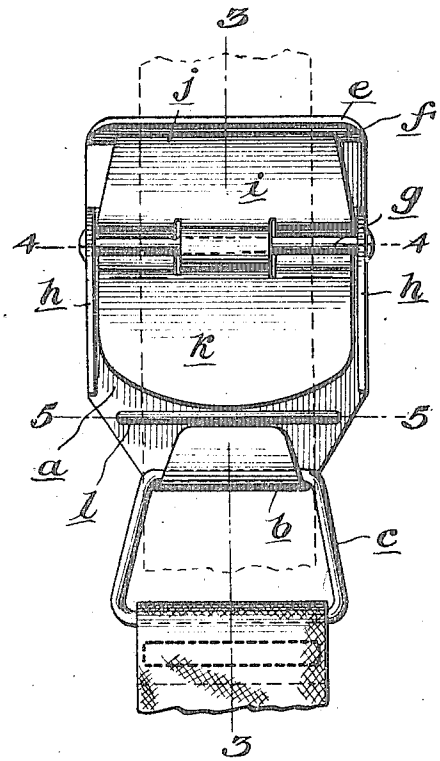


Fig. 2.

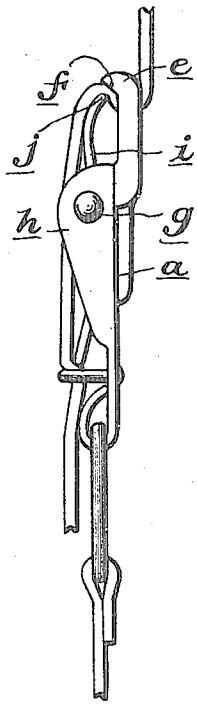


Fig. 3.

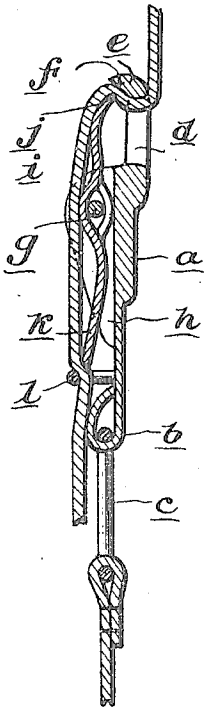


Fig. 4.

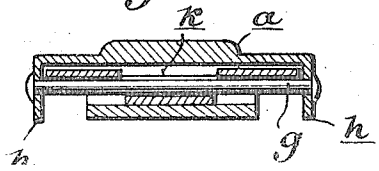
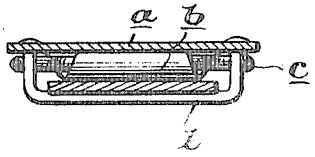


Fig. 5.



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STRAP-CLAMP.

1,208,108. Specification of Letters Patent. Patented Dec. 12, 1916.

Application filed June 15, 1916. Serial No. 103,784.

To all whom it may concern:

Be it known that I, WILLIAM E. DAVIS, a citizen of the United States of America, and a resident of New Ipswich, county of Hillsborough, State of New Hampshire, have invented certain new and useful Improvements in Strap-Clamps, of which the following is a full and clear specification.

This invention relates to a strap clamp of the buckle type, the object of the invention being to provide a secure holding means for the strap that will not require that the strap be perforated or otherwise weakened, as more fully hereinafter described.

In the drawing—Figures 1, 2 and 3 are, respectively, a front elevation, an edge elevation, and a vertical longitudinal section of the preferred form of my device, the sectional view being taken on the line 3—3 of Fig. 1; and Figs. 4 and 5 are, respectively, horizontal sections on the lines 4—4 and 5—5 of Fig. 1.

Referring to the drawing annexed by reference characters, *a* designates the main plate of the buckle which at its lower end is curled to form an eye *b* for connection to the loop *c*, the latter being adapted to be connected to one end of the strap or to a suspender attachment, etc. The upper end of the plate is provided with a transverse slot *d*, and the bar *e* at the upper edge of this slot has its front edge inclined upwardly and forwardly, as at *f*.

A pivot *g* is mounted rigidly on the ears *h* located at the side edge of the main plate, and pivotally mounted upon this pivot is a plate *i* whose upper edge *j* bends toward the inclined face *f*, the upwardly extending part of the plate being sufficiently long to bring the edge of the bent part *j* against the inclined face *f* when the upper part of the plate is swung toward the main plate. The lower part *k* of the pivoted plate terminates adjacent to a staple *l* projecting frontward from the main plate *a*. The free end of the strap is passed through the slot *d*, thence between the inclined face *f* and the edge of part *j*, and thence down under the staple *l*, so that when the strap is drawn taut the action will be to pull the upper part of plate *i* inwardly and thus clamp the strap securely between the edge *j* and the inclined face *f*. The free end of the strap will be prevented from swinging outwardly far enough to be pulled between the parts *j* and *f* by means of the staple or loop *l*, and the free end of the strap will be clamped in this loop *l* by the outward swinging tendency of the tail-piece *k*, the lower edge of which engages the inner face of the strap and presses the strap against the cross-bar of the staple. It will be observed that the more the strap is pulled on the tighter will be the clamping action; at the same time, it will be observed that if the free end of the strap is held by one hand the buckle can be slid upwardly on the strap by exerting a little force, since by upwardly pushing on the buckle, there is exerted a tendency to ease up on the clamping action between the parts *f* and *j*.

Having thus described my invention, what I claim is:

A strap clamp consisting of a main plate having a transverse opening across its upper end, thereby forming a bar across said upper end, a clamp plate pivoted on the front face of said main plate and having its upper edge adapted to clamp the strap against the front face of the aforesaid bar and having its lower part depending below its pivot and lying in front of the main plate, and a loop projecting forwardly from the front face of the main plate adjacent to the extended lower end of the pivoted plate so that when the upper end of the pivoted plate is pulled by the strap against said bar the extreme lower end of the plate will swing outwardly and bite the strap against said loop.

In testimony whereof I hereunto affix my signature.

WILLIAM E. DAVIS.