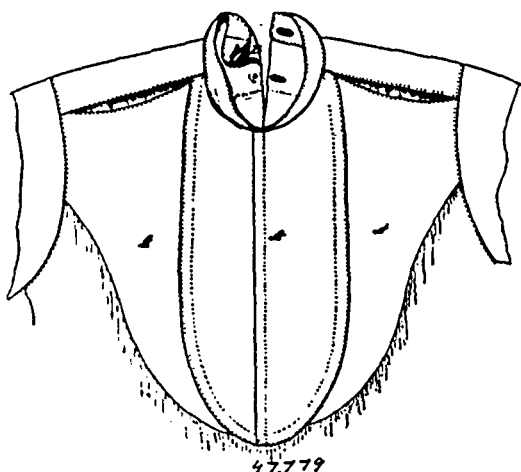


ring and a removable and adjustable holding ring fitted in the cap-ring, a chimney seated upon the ventilating ring and arranged at its upper end within the cap-ring in the path of said removable and adjustable holding ring, and ventilating devices supporting devices supported by the chimney-ring, substantially as specified. 11th. In a safety-lamp, the combination with a reservoir-cap, and a burner-ring supported thereby, of a base-ring detachably secured to and surrounding the burner-ring, a ventilating ring seated within the base-ring, a chimney-ring spaced from and connected to the base-ring and comprising an outer fixed cap-ring and an inner removable and adjustable holding ring fitted within the cap-ring, said holding-ring being provided in its under side with an annular seat, a glass-chimney seated at its lower end upon the ventilating ring and fitting at its upper end within the cap-ring in the path of said adjustable holding ring, a reticulated chimney fitted at its lower end within the holding ring and provided with a flange arranged in said seat of the holding ring and between the same and the upper end of the glass chimney, and a ventilating cap supported by the cap-ring, substantially as specified. 12th. In a safety-lamp, the combination with a reservoir-cap and a burner-ring supported thereby, of a base-ring removably secured to and surrounding the burner-ring and provided with radial perforations, a ventilating ring seated within the base-ring and comprising upper and lower annular plates, an interposed open frame having lateral slots which communicate with the radial perforations of the base-ring, and a wire-gauze covering arranged upon the inner periphery of the ventilating ring and inserted at its upper and lower edges between the upper and lower annular plates and the said frame, said annular plates being secured to the frame to hold the wire-gauze covering in place, a chimney-ring spaced from and connected to the base-ring and having a removable part or member, a chimney seated at its lower end upon the ventilating ring and at its upper end in the chimney-ring and secured in place by means of the removable part or member of said chimney-ring, and ventilating devices supported by the chimney-ring, substantially as specified. 13th. In a safety-lamp, the combination with a reservoir-cap, a burner-ring carried thereby, a base-ring, a half-thread and lug connection between the base-ring and the burner-ring, a chimney-ring spaced from and connected to the base-ring, a chimney interposed between the planes of the base-ring and chimney-ring, a crown-ring seated upon the chimney-ring, a half-thread and lug connection between the crown-ring and the chimney-ring, a ventilating cap carried by the crown-ring, and a reticulated ventilating chimney carried by the chimney-ring within the chimney-cap, of a swivelled latch carried by the base-ring and chimney-ring and provided at its upper end with an arm to engage registering notches in the chimney-ring and crown-ring and at its lower end with an arm to lie in a groove in the base-ring and engaging an upstanding peripheral flange on the reservoir-cap, a pivotal pawl carried by the base-ring to engage teeth on the reservoir-cap, a web attached to the pawl and arranged in an exterior socket on the base-ring, said socket being provided with a diametrical seat, and a split key to fit in the socket and engage said web, and provided with a transverse shouldered portion to engage the diametrical seat of the socket when the key has been turned sufficiently to disengage the pawl from the teeth, substantially as specified.

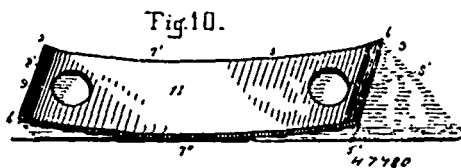
No. 47,779. Shirt. (Chemise.)



Arthur E. Fish, Belleville, Ontario, Canada, 24th December, 1894; 6 years.

Claim.—1st. The construction of the bosom of the shirt with the facing attachments as attached to the shirt at the points D, D and E, E, in the manner above described, substantially as and for the purposes hereinbefore set forth. 2nd. The construction of the neck-band of the shirt where the collar button goes in at the back of the neck, having an opening at the lower side of one end of the band, which opening is shown by turning back the fly marked C, in the manner described, substantially and for the purposes set forth.

No. 47,780. Nut-lock. (Arrête-écrou.)



Benjamin F. Sweet, Fond du Lac, Wisconsin, U.S.A., 24th December, 1894; 6 years.

Claim.—1st. A nut-locking washer-plate, consisting of a thin, four sided metallic plate, perforated for receiving a bolt, and having two of its opposite edges parallel, or nearly so, one with the other, and one of the end edges forming acute and obtuse angles with the first named edges, a lip extending along said end and projecting from the face of said plate from its commencing point, at approximately one-third of the distance from the obtuse to the acute angle of said end, said projection having a gradual increase from its commencing point to, or toward the latter angle, and said lip being adapted when in contact with a bolt head or nut, to penetrate said parts and to thereby hold the bolt from turning while screwing down its nut, or to hold the nut from loosening on said bolt, substantially as described. 2nd. A nut-locking washer-plate, consisting of a thin, four sided metallic plate having two of its opposite side edges parallel, or nearly so, one with the other, and the remaining ones, or the end edges of the plate, approximately parallel with each other, but forming acute and obtuse angles with the first named edges, a perforation for receiving a bolt near each of said end edges, a lip extending along the edge of each of said ends and projecting from one face of said plate from its commencing point at approximately one-third of the distance from the obtuse to the acute angle of said ends, said projection having a gradual increase from its commencing point toward the latter angle, and said lips being adapted when in contact with a bolt head, or nut, to penetrate said parts, and to thereby hold the bolt from turning when screwing down its nut, or to hold the nut from loosening on said bolt, substantially as set forth. 3rd. A nut-locking washer-plate, consisting of a thin, four sided metallic plate, perforated for receiving a bolt and having two of its opposite side edges parallel, or nearly so, one with the other, and the remaining ones, or the end edges, approximately parallel with each other, but forming acute and obtuse angles with the first named edges, a lip extending along one of said end edges and projecting from the face of said plate from its commencing point, at approximately one-third of the distance from the obtuse to the acute angle of said end, said projection having a gradual increase from its commencing point toward the latter angle, and said lip being adapted when in contact with a bolt head or nut, to penetrate said parts, and to thereby hold the bolt from turning while screwing down its nut, or to hold the nut from loosening on said bolt, and one of the remaining edges having a lip projecting from the opposite face of the plate which is adapted to be forced by the screwing down of the nut, into the material upon which said plate may be placed, and to thereby prevent the plate from turning around the bolt in screwing a nut thereon, substantially as described. 4th. A nut-locking washer-plate, consisting of a thin, four sided metallic plate, perforated for receiving a bolt and having two of its opposite side edges parallel, or nearly so, one with the other, and the remaining ones, or the end edges of the plate, parallel with each other, but forming acute and obtuse angles with the first named edges, a lip extending along one of said edges and projecting from the face of said plate from its commencing point at approximately one-third of the distance from the obtuse to the acute angle of said end, the projection of said lip being gradual from its commencing point toward the latter angle, and said lip being adapted when in contact with a bolt head or nut, to penetrate said parts, and to thereby hold the bolt from turning while screwing down the nut, or to hold the nut from loosening on said bolt, and one of the remaining edges having a lip projecting from the opposite face of the plate, the projection of said lip being gradual from zero at the acute, toward the obtuse angle of said end, and the lip being adapted to be forced by the screwing down of the nut into the material upon which said plate may be placed, and to thereby hold the plate from turning around the bolt in screwing a nut thereon, substantially as set forth. 5th. A nut-locking washer-plate, consisting of a thin, four sided metallic plate, curved downward in the direction of its length intermediate the ends of said plate, having two of its opposite side edges parallel, or nearly so, one with the other, and the remaining ones, or the end edges of the plate, approximately parallel with each other, but forming acute and obtuse angles with the first named edges, a perforation for receiving a bolt near each of said end edges, a lip extending along the edge of each of said ends and projecting from one face of said plate from its commencing point, at approximately one-third of the distance from the obtuse to the acute angle of said ends, the projection of said lips being gradual from their commencing point toward the latter angle, and said lips being adapted when in contact with a bolt head or nut, to penetrate said parts, and to thereby hold the bolt from turning while screwing down its nut, or to hold the nut from loosening on said bolt, substantially as described. 6th. A nut-locking washer-plate, consisting of a thin, four sided metallic plate, curved downward in the direction of its length intermedi-