

G. R. EAGER.
OVERALLS.

No. 179,170.

Patented June 27, 1876.

Fig. 1.

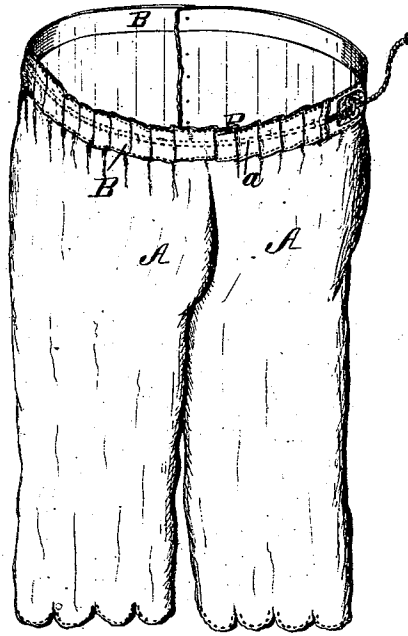


Fig. 2.

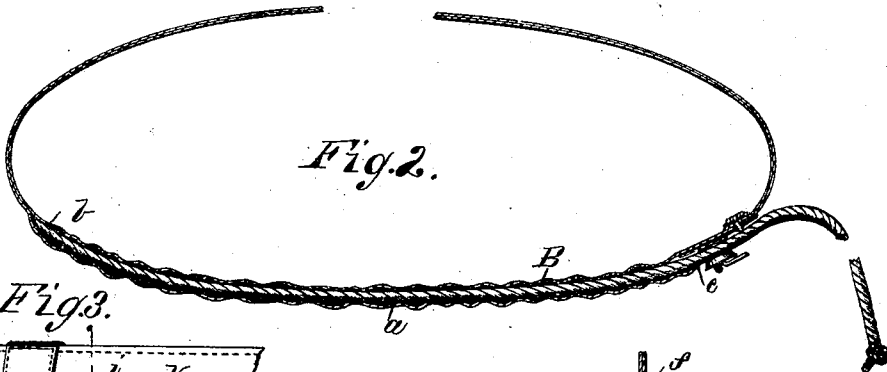


Fig. 3.

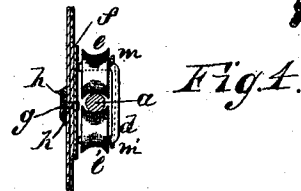
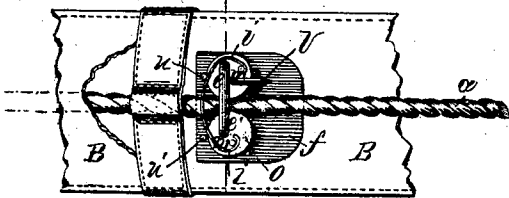


Fig. 4.

WITNESSES

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IMPROVEMENT IN OVERALLS.

Specification forming part of Letters Patent No. 179,170, dated June 27, 1876; application filed April 12, 1876.

To all whom it may concern:

Be it known that I, GEORGE R. EAGER, of Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Overalls and other Pantaloon Garments; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 represents a view, in perspective, of a pair of overalls to which my improvement has been applied; and Fig. 2, a cross-section of the same through the waistband, illustrating the mode of adjusting the latter to the person of the wearer, the front being left open. Fig. 3 represents a detached view of a portion of the waistband, showing a side elevation of the clamp as applied to the latter, and the mode of clamping the cord; and Fig. 4, another detail view, being a vertical section through the line *xx* of Fig. 3.

My invention relates to a new and improved mode of adjusting the waistband of a blouse, overall, or other similar garment to the person of the wearer; and it consists of a clamp formed by two eccentrically-pivoted friction-rolls; between which a cord or narrow thick strap is passed, the eccentricity of each of the two rolls being so arranged with respect to each other that while they allow the cord to be freely drawn through in adjusting the garment to the wearer, they will, by the pressure of a spring acting simultaneously on both rolls, as soon as the drag on the cord is relaxed, cause the rolls to react and clamp the cord, and thus prevent its being drawn back through them again, thereby holding it firmly between them.

To enable others skilled in the art to make and use my improvement, I will now describe it in detail.

In the drawings the improvement is represented as being applied to a pair of overalls; but it is equally applicable to overshirts, blouses, drawers, pantaloons, or other gar-

ments provided with a hollow waistband, and a cord or strap for adjusting it to the person of the wearer.

In Fig. 1, A represents the body of the garment, and B the hollow waistband, in which is arranged a cord, *a*. The hollow waistband and cord *a* are better represented in Fig. 3, which, for this purpose, is slightly enlarged. In these figures the waistband is represented as being only hollow in the back; but it may be extended as much farther as desired, or it may be made as much less as may be deemed sufficient to give ample room for adjustment to persons of different-sized waists; but the first is deemed the better plan.

The cord *a* is fastened in any known way, at its inner end *b*, to the waistband, and is then protruded through an opening, *c*, at the other end of the hollow of the waistband, where it is then passed between two rolls, *e e'*, eccentrically pivoted by means of the two legs of the staple *d*, which are riveted to a metal plate, *f*, and which, in turn, is riveted to the waistband by a rivet, *g*, passing through plate *f*, waistband B, and, if deemed advisable, small washer *h*. Upon the face of friction-roll *e* is secured a stud-pin, *m*, and on roll *e'* a similar stud, *m'*. To these two pins are secured the two ends of a curved or bent spring, the tendency of the pressure of the spring being such as to force the eccentric portion of the rolls, through their stud-pins *m m'*, around, so as to clamp the cord between them. One or both of the eccentric rolls are furnished with a small crank-lever, *l*, by which to release the pressure on the cord when it is desired to loosen the latter, which, when let loose again by the action of the spring, will fly around again and reclamp the cord. Or, instead of fastening both ends of the spring *i* to the stud-pins, but one end may be fastened, and the other end simply curved, so as to pass around the other and bear against another stud-pin, *o*, which is arranged slightly in advance of the stud, around which the loose end of the spring is passed.

This plan is illustrated in Fig. 3, in which roll *m'* carries the additional stud *o*, and the roll *m* the crank-lever. This arrangement

gives a greater leverage or power to the spring *i* on roll *e'*.

The lower side face of the rolls *e e'* may, at their rear side, be slightly flattened, and two stop-studs, *u u'*, be secured to plate *f*, to arrest the backward throw of the rolls, and these may be sufficiently prolonged to form a back support for the bent spring *i*; or they may be so arranged as to be used for the latter purpose alone, and thus indirectly stop, through the spring, the back throw of the rolls.

The rolls *e e'* may either be made with a plain straight periphery or grooved, as shown in Fig. 4. Where a cord is used for adjusting the waistband, the latter form is preferred; but where a narrow thick strap is used the plain periphery might be better.

Instead of a spring to force the rolls to clamp, two small pinions of equal diameter might be used, there being one formed on each eccentric roll, and geared together, the party

adjusting the garment turning a small crank-lever on one of the rolls, like that shown at V, Fig. 3, to make them take hold, the drag of the cord completing the tightening operation.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A pair of overalls or other garment provided with a hollow waistband and a cord or strap, *a*, and with a clamp consisting of a pair of eccentrically-pivoted friction-rolls, *e e'*, arranged to operate substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

GEORGE R. EAGER.

Witnesses:

CHAS. A. CHENY,

FRED. H. MATTHEWS.