UNITED STATES PATENT OFFICE

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SOCK CLAMP FOR BOLTING MACHINES

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1 Claim. (Cl. 24—361)

This invention relates to clamps especially adapted for releasably securing bolting machine
socks, and has for the primary object the pro-
vision of a device of this character which may be
easily and quickly applied or removed while the
bolting machine is in operation and will be self-
adjusting when applied to provide efficient sec-
curing of a sock in place either to a bolting ma-
chine or to an outlet spout and will prevent ac-
cidental detachment of the sock.

With these and other objects in view, this in-
vention consists in certain novel features of con-
struction, combination and arrangement of parts
to be hereinafter more fully described and
claimed.

For a complete understanding of our inven-
tion, reference is to be had to the following de-
scription and accompanying drawing, in which—

Figure 1 is a fragmentary view, partly in sec-
tion, showing the securing in place of socks to a
bolting machine by clamps constructed in ac-
cordance with our invention.

Figure 2 is a plan view illustrating the clamp.

Figure 3 is a side elevation illustrating the
clamp.

Figure 4 is a perspective view illustrating a
spring to be used in connection with the clamp.

Referring in detail to the drawing, the nu-
meral 1 indicates a split band or ring for en-
circling a sock 2 after the application of the lat-
ter to the outlet 3 of a bolting machine or may be
employed for securing the sock to the outlet
spout 4. The split band or ring is constructed of
resilient material having a natural tendency to
contract so as to provide a desired gripping ac-
tion upon the sock. The end 5 of the split band
or ring is first bent upon itself to form an eye
6 and a finger piece 7. The other end 8 of the
band or ring is bent upon itself to form a guide
eye 9 and then bent upon itself to form substan-
tially parallel portions 10 and 11 connected, as
shown at 12. The portion 11 extends through the
eye 6 and the portion 10 extends through the
eye 9 and is then bent to form a finger piece 13
paralleling the finger piece 7. By moving the
finger piece 13 in the direction of the finger piece
7 the split band or ring 1 will be expanded so
that it may be easily applied or removed from the
sock.

To provide further contraction to the split ring
or band a spring 14 is provided, the ends of which
are offset, as shown at 15, to be engaged with
the finger pieces, as shown by dot and dash
lines in Figure 2. The spring will act to urge
the split band or ring into its fullest contracted
position. The contraction of the split band or
ring is limited by the eyes 6 and 9 and the mem-
ers 10 and 11 extending through said eyes.

A device of the character described can be
cheaply manufactured and sold at a low cost and
will permit a sock to be secured to a bolting ma-
chine with quickness and ease during the opera-
tion of the bolting machine.

Having described the invention, we claim:

A clamp comprising a self contractible split-
ring, one end of said ring being extended and
bent upon itself to form an eye and a finger piece,
the other end of said ring being extended and
bent to form an eye and substantially parallel
connected portions with one portion extending
through one eye and the other portion extending
through the other eye and bent to form a finger
piece paralleling the first-named finger piece, and
a spring member having offset ends to engage with
the finger pieces.

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