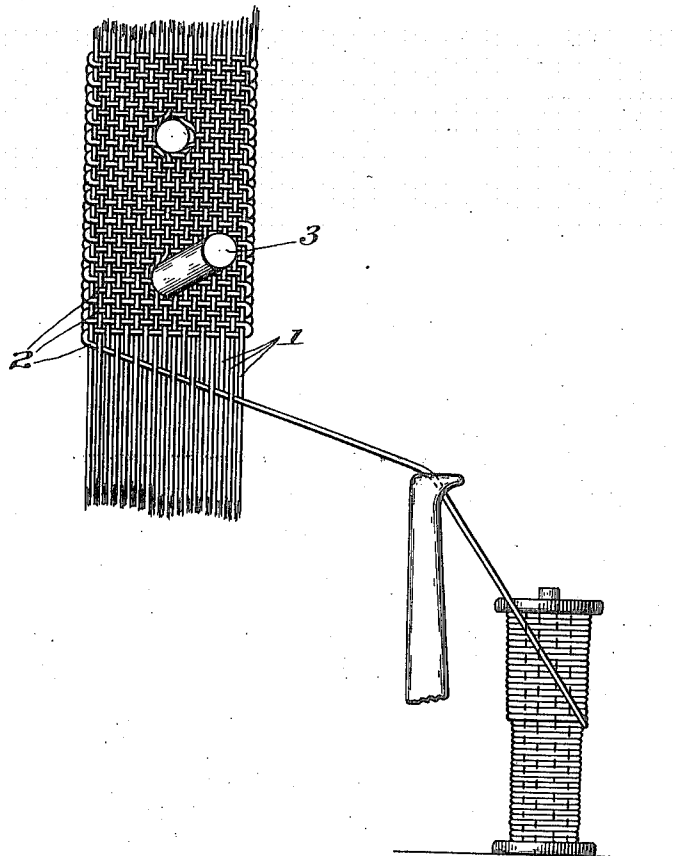


B. R. BENJAMIN.
WOVEN FABRIC FOR BELTS.
APPLICATION FILED JULY 26, 1912.

1,157,755.

Patented Oct. 26, 1915.



Witnesses:
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UNITED STATES PATENT OFFICE.

BERT R. BENJAMIN, OF OAK PARK, ILLINOIS, ASSIGNOR TO INTERNATIONAL HARVESTER COMPANY OF NEW JERSEY, A CORPORATION OF NEW JERSEY.

WOVEN FABRIC FOR BELTS.

1,157,755.

Specification of Letters Patent.

Patented Oct. 26, 1915.

Application filed July 26, 1912. Serial No. 711,618.

To all whom it may concern:

Be it known that I, BERT R. BENJAMIN, a citizen of the United States, residing at Oak Park, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Woven Fabric for Belts, of which the following is a specification.

The object of my invention is to produce an improved fabric for belts, formed in the weaving thereof with openings for the reception of the tongues of buckles. The fabric may, in general, be formed in any of the usual modes of weaving, the chief modification necessary to produce the novel and very desirable result being the insertion of short, cylindrical members between the warp threads where it has been determined that the openings shall appear, and then weaving the weft threads around them.

In the drawing I have endeavored to illustrate the fabric embodying my invention and formed in a convenient manner.

The figure is a plan view of a portion of a belt having my invention embodied in the construction thereof.

The web of the fabric is made up of the usual warp threads 1 and weft threads 2 in the usual manner. At intervals, and in lines where it is desired that the openings shall occur, there are inserted between the warp threads short, cylindrical members 3, and the weft threads are woven around them

in a manner forming openings in the fabric when the cylindrical members are withdrawn. Before the cylindrical members are withdrawn, or during the weaving operation, it is desirable that a viscous fluid be applied to the fabric, both as a preservative and to cement the threads together in a manner whereby the openings become permanent in form.

What I claim as my invention, and desire to secure by Letters Patent, is:

1. The method of producing openings in a woven fabric consisting in inserting hole-forming members at intervals between the warp threads during the weaving process, and then weaving the weft threads in a manner to surround the hole-forming members.

2. The method of producing openings in a woven fabric consisting in inserting hole forming members at intervals between the warp threads during the weaving process, weaving the weft threads in a manner to surround the hole-forming members, and applying a viscous fluid to the fabric while the hole-forming members are positioned therein.

BERT R. BENJAMIN.

Witnesses:

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