

G. G. GOEDIKE.
DAMPING ROLL FOR LITHOGRAPHING PRESSES.
APPLICATION FILED FEB. 12, 1918.

1,281,940.

Patented Oct. 15, 1918.

Fig. 1

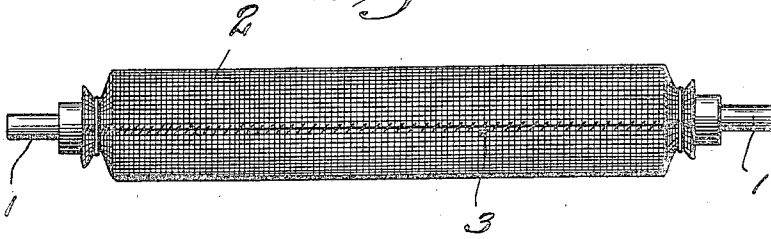
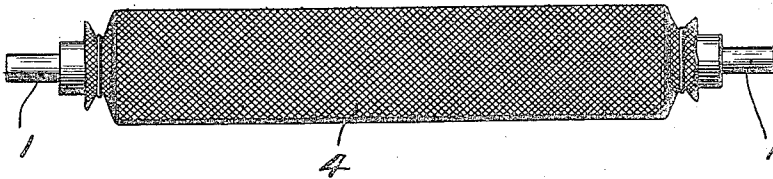


Fig. 2



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UNITED STATES PATENT OFFICE.

GEORGE G. GOEDIKE, OF CHICAGO, ILLINOIS.

DAMPING-ROLL FOR LITHOGRAPHING-PRESSES.

1,281,940.

Specification of Letters Patent.

Patented Oct. 15, 1918.

Application filed February 12, 1912. Serial No. 216,778.

To all whom it may concern:

Be it known that I, GEORGE G. GOEDIKE, a citizen of the United States, residing at the city of Chicago, county of Cook, State of Illinois, have invented a certain new and useful Improvement in Damping-Rolls for Lithographing-Presses, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of a damping roll for lithographing presses constructed according to present practice.

Fig. 2 is a plan view of a similar roll according to my present invention.

This invention relates to a new and useful improvement in damping rolls for lithographing presses, the object being to provide a roll having a surface covering composed of material woven or knitted in such a way that it can be tightened on the roll, thereby preventing sagging. In the present practice the outer covering is made of woven or knitted fabric the warp of which extends longitudinally the roll. This fabric is cut the proper length and width and is then sewed on the roll, as indicated by the stitches in Fig. 1. The trunnions of the roll are indicated at 1, the fabric is indicated at 2, and the stitches at 3. Ordinarily rolls of this character will wear about ten days or two weeks when they commence

to sag and there is no way of elongating them to take up the sag and make them tight unless by removal from the roll and restitching. According to my invention the fabric 2 is woven or knitted with the strands extending spirally, the whole forming a complete woven or knitted cylinder indicated at 4. This is stretched on the damping roll and its ends tied as usual and then as the repeated operations of the machine cause the covering to bulge or sag at points, it is only necessary for one end to be released and the whole covering tightened on the cylinder by a longitudinal pull when the released end can be retied. This gives in effect a new damping roll and one which has a much longer life than the old form.

It is obvious that if desired, two or more of these seamless tubes may be used on the roll so as to form plies to build up the roll to the desired dimensions.

What I claim is:

A damping roll for lithographing presses consisting of a supporting body, and a covering composed of a diagonally woven fabric covering capable of elongation along its longitudinal axis and contraction across its transverse axis whereby the sag of the covering may be taken up without removing the same from the roll.

In testimony whereof I hereto affix my signature this 6th day of February, 1918.

GEORGE G. GOEDIKE.

Witness:

ANNA E. JONES.