

UNITED STATES PATENT OFFICE.

WALTER FRANCIS REID, OF ADDLESTONE, ENGLAND, ASSIGNOR TO THE
VELVRIL COMPANY, LIMITED, OF LONDON, ENGLAND.

COVERING FOR DRAWING-ROLLS OF SPINNING MACHINERY.

SPECIFICATION forming part of Letters Patent No. 661,644, dated November 13, 1900.

Application filed February 6, 1900. Serial No. 4,269. (No model.)

To all whom it may concern:

Be it known that I, WALTER FRANCIS REID, civil engineer, a subject of the Queen of Great Britain, residing at Fieldside, Addlestone, in the county of Surrey, England, have invented certain new and useful Coverings Suitable for the Drawing-Rolls Used in Spinning, of which the following is a specification.

The drawing-rolls used in spinning cotton and other fibers are usually covered with tubes of leather; but such tubes are expensive and have the disadvantage of having a longitudinal seam. The leather also soon polishes and is grooved by the fibers, causing alterations in the tension of the thread. India-rubber and like compounds have been suggested, but are unsuitable, being acted upon by the grease in the cotton or other fiber.

According to this invention I employ a tube, preferably a seamless tube of a mixture of

nitrocellulose with nitroricinolein. A suitable mixture consists of one part, by weight, of nitrocellulose to two parts of nitroricinolein. Nitrolinolein is of precisely the same nature as nitroricinolein, and I wish to be understood as considering this as an equivalent. The tubes may be made in a variety of ways, such as by applying a solution of the mixture (in any of the usual solvents of nitrocellulose) to a revolving mandrel or by forcing the mixture under pressure through dies or by cementing together the edges of a sheet.

What I claim is—

A covering for the drawing-rolls used in spinning consisting of a mixture of nitrocellulose with nitroricinolein.

WALTER FRANCIS REID.

Witnesses:

VARASUN LARK,
HENRY POPE.