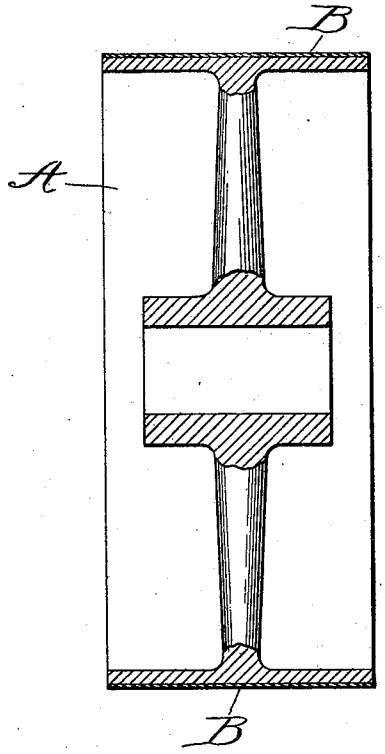
(No Model.)

B. C. MORSE.

PULLEY COVERING.

No. 588,232. Patented Aug. 17, 1897.



Witnesses
Wm. F. Fleming.
Wm. M. Rheem.

Inventor
Burton C. Morse
by Baker V. Lamoreux
Atty

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BURTON C. MORSE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE MORSE SUPPLY COMPANY.

PULLEY-COVERING.

SPECIFICATION forming part of Letters Patent No. 588,232, dated August 17, 1897.

Application filed May 15, 1896. Serial No. 591,651. (No specimens.)

To all whom it may concern:

Be it known that I, BURTON C. MORSE, a citizen of the United States, residing at Chicago, county of Cook, State of Illinois, have invented a certain new and useful Improvement in Pulley-Covering; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

My invention has for its object the production of a pulley-covering which is applied to the face of the pulley while in a liquid form and, hardening thereon, forms an effective means to prevent the slipping of the belt.

In the drawing the figure is a sectional view of a pulley, showing my covering thereon.

In carrying out the invention, A represents the pulley, and B my improved covering. This covering is composed of a mixture of glue together with pumice-stone. In order to prevent the mixture from spoiling and molding, I add a quantity of vinegar or acetic acid and also a small quantity of nitric acid. If desirable, a sufficient amount of any anilin coloring may be added.

The proportions which I have heretofore used are as follows: For one gallon of the mixture, vinegar or acetic acid, one-half gallon; glue, two pounds; pumice-stone, four pounds; nitric acid, two and three-fourths drams; but these proportions may of course be varied somewhat.

When the compound is thoroughly mixed, and if necessary a small quantity of water is added to thin it, it is applied to the working surface of the pulley until the latter has a covering perhaps one-eighth to one-sixteenth of an inch in thickness. When dry, the pulley is ready for use with a covering that has no joints and is effective in preventing the belt from slipping.

What I claim is—

A pulley-covering comprising glue, pumice-stone, and acid thoroughly mixed and combined, substantially as set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

BURTON C. MORSE.

Witnesses:
DE WITT W. CHAMBERLIN,
WALTER H. CHAMBERLIN.