

UNITED STATES PATENT OFFICE.

JAMES P. TRAVERS, OF NEW YORK, N. Y.

IMPROVEMENT IN PREPARING JUTE TWINE.

Specification forming part of Letters Patent No. **40,520**, dated November 3, 1863.

To all whom it may concern:

Be it known that I, JAMES P. TRAVERS, of the city, county, and State of New York, have invented a new and Improved Method of Finishing Jute Twine; and I do hereby declare that the following is a full and exact description thereof.

The sizing-matter is composed in the following proportions: of glue, ten pounds; of water, two gallons; of starch, one pound; of tallow, one-quarter of a pound; of china-clay, ten pounds, intermixed and boiled, and while warm applied to the twine.

The finishing is done by passing the twine over heated pipes, friction-brushes, and hair ropes.

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

The application of the above sizing and finishing to jute twines for the purpose of a substitute for cotton wrapping-twine.

JAMES PAUL TRAVERS.

Witnesses:

A. L. LIVINGSTON,
ALLEN L. BASSETT.