

UNITED STATES PATENT OFFICE.

JOHN B. McFAIL, OF VASSAR, MICHIGAN.

IMPROVEMENT IN PROCESSES OF REPAIRING BOLTING-CLOTHS.

Specification forming part of Letters Patent No. **211,518**, dated January 21, 1879; application filed August 10, 1878.

To all whom it may concern:

Be it known that I, JOHN B. McFAIL, of Vassar, in the county of Tuscola and State of Michigan, have invented an Improvement in Stopping Worm-Holes in Bolting-Cloths, of which the following is a specification:

The nature of my invention relates to an improved method or process for stopping holes made by worms in the bolting-cloths of mills, by means of which the old system of patching may be avoided.

The invention consists in stopping such holes, which are small, by means of gelatinous substances applied by the insertion of a bodkin, as more fully hereinafter set forth.

Preferably, I take glue, in any quantity desired, and dissolve it in as small a portion of boiling water as possible. It will then be found too thick for use. While it is still hot, take the glue-pot from the fire and thin the glue to the proper consistency with alcohol and vinegar, in equal proportions, first adding the alcohol and then the vinegar. This should be kept in a bottle covered with any proper substance which will exclude the air, and it may

be kept in this way ready for use for a number of years.

When the worms have cut one or more small holes in the cloth, I take a small pointed bodkin, insert or dip the pointed end in the glue, and then carefully insert the same into the hole until the bodkin fills the hole. Then I carefully withdraw the bodkin, which will leave sufficient glue to form a thin tough film over the hole, and this film becomes hard within a few moments by the action of the air.

I do not desire to confine myself to the use of glue prepared as above, as any gelatinous matter may be employed which possesses sufficient tenacity and toughness for the purpose.

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

The process herein described of stopping worm-holes in bolting-cloths of flouring-mills by gelatinous substances, substantially as set forth.

JOHN B. McFAIL.

Witnesses:

H. S. SPRAGUE,
C. H. S. HART.