

# UNITED STATES PATENT OFFICE.

ROBERT R. ZELL, OF BALTIMORE, MARYLAND.

## FERTILIZER-BAG.

SPECIFICATION forming part of Letters Patent No. 258,524, dated May 23, 1882.

Application filed March 9, 1882. (No specimens.)

*To all whom it may concern:*

Be it known that I, ROBERT R. ZELL, of the city of Baltimore and State of Maryland, have invented certain Improvements in Fertilizer-Bags, of which the following is a specification.

The object of this invention is to construct bags for phosphatic fertilizers capable of resisting the corrosive action of the acids in the said fertilizers.

In carrying out my invention I take of rosin-soap, or the ingredients of such soap, one hundred pounds; pulverized alum, five pounds; pulverized asbestos, four pounds; dissolved gelatine, one pound; and water, a sufficient quantity. After the materials are thoroughly mixed, bagging, or the bags to be rendered

acid-proof, are thoroughly saturated with the compound and then dried.

The object in combining asbestos with the other materials is to give them a body and fill the interstices in the bagging. It also renders the bags practically fire-proof.

I claim as my invention—

An acid-proof bag for holding fertilizers, which consists of bagging treated with an aqueous solution of rosin-soap, alum, asbestos, and gelatine, in the proportions substantially as specified.

ROBERT R. ZELL.

Witnesses:

GEO. P. WEBB,  
E. L. WOODSIDE.