UNITED STATES PATENT OFFICE.

HAROLD JACKSON, OF GARSTANG, ENGLAND.

MATERIAL FOR SACKS, WRAPPERS, &c.

No. 798,680. Specification of Letters Patent. Patented Sept. 5, 1905.

Application filed March 30, 1903. Serial No. 150,322.

To all whom it may concern:

Be it known that I, HAROLD JACKSON, a British subject, and a resident of Garstang, in the county of Lancaster, England, have invented certain new and useful Improvements in Sacks and Material for Sacks, Wrappers, and other Purposes, of which the following is a specification.

The invention relates to an improved material, and is primarily designed for sacks for holding granular or pulverulent substances which will render the sacks capable of containing such substances without fear of breakage or leakage. The material may be employed for other wrapping or packing purposes and may also be applied as a covering for walls, floors, or other purposes.

I am well aware that sacks have been made lined with a stiff and strong paper; but as the elasticity of the woven fabric is much greater than that of the paper any undue pressure or strain thereon bursts the paper and renders the sack comparatively useless. I am also aware that bags have been made with a loose lining of crinkled paper.

I have found by careful experiment that to produce an efficient sack or material for wrapping purposes the lining must be as elastic as the fabric, and if so there is but little or no tendency to burst or tear the lining at a strain less than that which the textile fabric will bear.

My invention consists, essentially, in the combination, with a woven fabric or canvas—such as jute, hemp, or the like—of an elastic crinkled or puckered paper of strong texture, which is attached to the surface of the fabric by an adhesive material, which is also preferably waterproof.

In carrying out the invention I prepare a strong Manila or other paper of crinkled, puckered, or uneven appearance which will be elastic or capable of stretching in either direction. The paper so prepared I attach to the surface of a woven fabric—jute or hemp—such as is usually employed for sacks and baling or wrapping purposes by a suitable cement or adhesive material, such as pitch or a mixture of pitch. This compound material is then made into bags or sacks or may be used in sheets for wrapping, packing, or baling. The material also provides a very noiseless tread to be placed under carpets or it may be applied as a wall-covering.

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

1. A material for sacks, bags, wrapping, packing, baling or other purposes, comprising in its construction a woven fabric made from any suitable fiber and a layer of adhesive material spread over the entire surface of the fabric, in combination with a layer of elastic crinkled, puckered paper capable of stretching out of its folds without breaking attached to the textile fabric at the points of contact with the folds, free to expand, substantially as described.

2. A material for sacks, bags, wrapping packing, baling or other purposes comprising in its construction a woven fabric made from any suitable fiber, in combination with a layer of elastic crinkled, puckered paper, capable of stretching out of its folds without breaking and a layer of an adhesive material spread over the surface of the textile fabric only to secure the two together without entering or pressing out the crinkles of the paper, substantially as described.

3. A woven fabric made from any suitable fiber in combination with a layer of crinkled puckered paper, capable of stretching out of its folds without breaking and a layer of cementitious material between them spread over the whole surface of the textile fabric to secure the two together, without entering or pressing out the crinkles of the paper, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HAROLD JACKSON.

Witnesses:

J. OWDEN O'BRIEN,

B. TATHAM WOODHEAD.