

M. L. BUSH.

Putting up Chloride of Lime.

No. 147,476.

Patented Feb. 17, 1874.

Fig. 1.

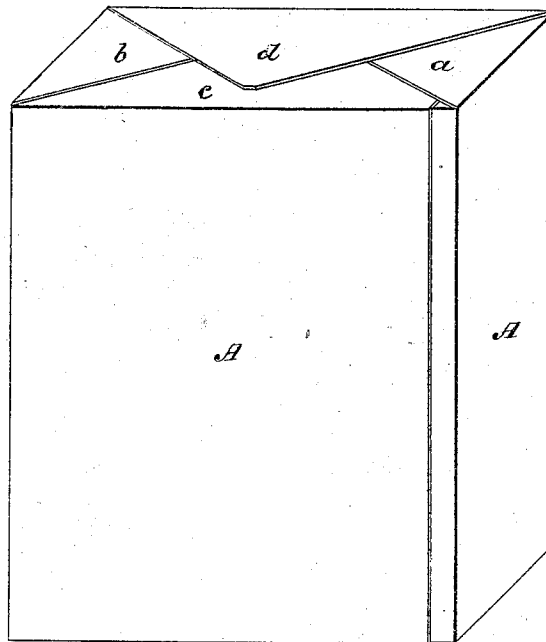
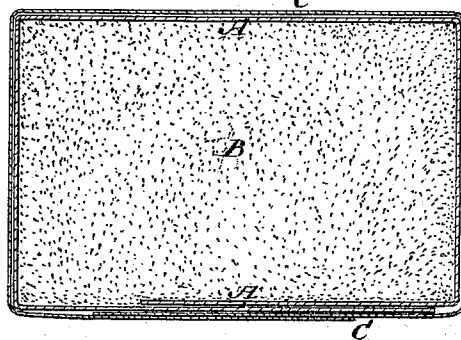


Fig. 2.



Witnesses.
M. M. Livingston
A. J. De laay.

Inventor.
M. L. Bush

UNITED STATES PATENT OFFICE.

MARTIN L. BUSH, OF NEW YORK, N. Y.

IMPROVEMENT IN PUTTING UP CHLORIDE OF LIME.

Specification forming part of Letters Patent No. **147,476**, dated February 17, 1874; application filed October 16, 1873.

To all whom it may concern:

Be it known that I, MARTIN L. BUSH, of the city of New York, in the county and State of New York, have invented a new and useful Method of Putting up Chloride of Lime; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing which forms a part of this specification.

Chloride of lime is an article much used in dwelling-houses, public buildings, stores, &c., chiefly for disinfecting purposes; but it is an article which, on account of the offensive odor evolved by it, is but rarely kept by druggists and grocers, and even the purchaser dreads the task of carrying it home, done up, as it usually is, in common wrapping-paper.

To overcome the above objections, chloride of lime has been put up in tin cans and sold at so much per can. Of course this greatly increases the expense of an otherwise very cheap article, which is used in more or less profusion, as occasion requires; and, moreover, this method is not entirely practical, for the reason that chloride of lime, so put up, cannot be kept as a stock in trade for any considerable time, for the reason that it corrodes the tin and eats holes entirely through the cans, and soon makes its offensiveness manifest.

The object of my invention is to provide a process or method of putting up chloride of lime, which will obviate all of the above objections; and to such end my invention consists in the new article of manufacture of a specific quantity of chloride of lime inclosed in a kind of water-proof paper or fabric which is not susceptible to the corrosive action of the chloride of lime, and which will prevent air or moisture reaching the same, and hence prevent the escape of chlorine gas, so offensive to the olfactory nerves, whereby I am enabled to place in the market a most necessary article, which may be handled, bought, sold, transported, and dealt in as any other article of trade and commerce, without liability of decomposing or eating through its wrapper, though kept for a great length of time, and without giving offense to those through whose hands it may pass.

In the accompanying drawing, Figure 1 is

a perspective view of my invention; and Fig. 2 is a transverse central section of the same.

In carrying out my invention, I preferably proceed as follows: I first take a block or form of the required size to occupy the space of a definite quantity of chloride of lime, and fold around this block the material which is to constitute the case or wrapper A, as will be understood by reference to Fig. 2. I then fold one end of the wrapper over the lower end of the block or form, (say as shown at *a b c d*, Fig. 1,) and seal the same in any proper manner. The block containing the wrapper or case is then thrust into a box or mold just large enough to receive the same, and then the block is withdrawn, leaving the wrapper or case in the box or mold, with one of its ends sealed tight and the other open. The desired weight or measure of chloride of lime B is then put into the wrapper or case, and the open end of the latter is folded down and sealed, and the package, either before or after the sealing, is removed from the box or mold. The package may then have an additional wrapper, C, of ordinary manila paper put around it, as shown in Fig. 2. The package, when completed, may have the proper labels attached to it.

The material to be employed as a case or wrapper must be moisture-proof and at the same time unsusceptible to the corrosive action of the chloride of lime, and it is obvious that if its texture or body be sufficiently close to prevent the access to its contents of atmospheric air, chlorine gas will not be generated, and hence the escape of a very offensive odor will be prevented. Metallic sheets or tin-foil paper will not answer the purpose, for the reason that the same does not resist the corrosive action of the chloride of lime. I have found that vegetable parchment is admirably adapted for the purpose, and I have also found that sheets of ordinary paper may be prepared for the purpose—say by saturating the same in an oleaginous, resinous, or other suitable solution which will render the same water-proof, and at the same time be unsusceptible to the action of the chloride of lime.

My invention, as above described, enables me to put up chloride of lime in such shape that it can be sold at retail very nearly as cheap

as if sold in bulk, and in such manner as to prevent the access to it of moisture or air, and thereby prevent the generation and escape of chlorine gas, which is so offensive to the olfactory nerves, and hence an article much used in households generally can be kept in ready packages in drug, grocery, or other stores, and be even carried in the pocket without giving offense.

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

Chloride of lime inclosed or enveloped in a wrapper or casing of impervious non-corrosive fabric, the same constituting a new article of manufacture, substantially as herein specified.

Witnesses:

M. L. BUSH.

M. M. LIVINGSTON,
A. J. DE LACY.