W. KING.

COMPOSITE-CORK.

No. 174,260. Patented Feb. 29, 1876.

Fig. 1.

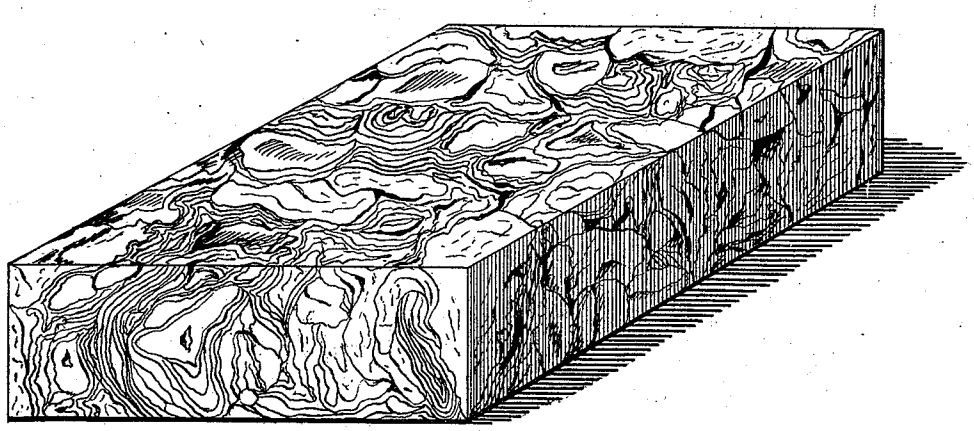
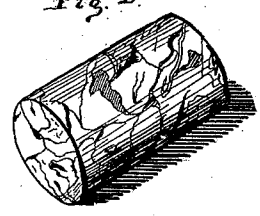


Fig. 2.



Witnesses:—

H. A. King.

Chas. M. Pierce

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UNITED STATES PATENT OFFICE.

WILLIAM KING, OF PERTH AMBOY, NEW JERSEY, ASSIGNOR TO WILLIAM KING AND COMPANY, OF NEW YORK, N. Y.

IMPROVEMENT IN COMPOSITE-CORK.

Specification forming part of Letters Patent No. **174,260**, dated February 29, 1876; application filed September 25, 1875.

To all whom it may concern:

Be it known that I, WILLIAM KING, of Perth Amboy, in the State of New Jersey, have made certain new and useful Improvements in Treating Cork-Shavings and Manufacturing Stoppers therefrom; and I do hereby declare the following to be a full and clear description thereof, reference being had to the drawing annexed hereto, in which drawing—

Figure 1 represents a block or slab, as produced by my process of treating cork-shavings, and Fig. 2 represents a stopper or cork cut from such prepared block or slab.

My invention has for its object the utilization of the shavings and chips of cork wood or bark which are produced when stoppers are cut from cork-wood, without reducing such shavings or chips to a powder, as has heretofore been the practice, and consists in making these shavings and refuse chips into slabs or blocks, by the use of cement and pressure, and also cutting stoppers from these blocks after they are formed.

In order to accomplish this object, I take the shavings and chips, as they are produced when corks are cut from the layers or blocks of fresh bark, and, placing them in a strong iron pan or receptacle of the proper shape and size, I pour or sprinkle over them some suitable glue or cement, and mix it thoroughly, so that the shavings become properly coated on all sides with the cementing material, after which the mixture is placed under heavy pressure until all the pieces of shavings and chips have adhered together and a solid block is formed, such as shown by Fig. 1, or any other desired form may be produced by changing the shape of the receptacle or mold. This block, Fig. 1, may be used for the purpose of making life-preservers and other similar articles, or may be cut into any form desired; but I more particularly desire to cover its usefulness as a substance from which to cut stoppers, such as shown by Fig. 2, which may be done either by hand or machinery in the same manner as they are cut from the original bark.

As a cement for mixing with the cork-shavings, I have used a solution of shellac dissolved in alcohol, which I have found to answer the purpose very well; but any good cementing substance that will be thin enough to properly smear all parts of the chips and shavings will answer the purpose.

I am aware that cork-wood and other similar partially-elastic substances have been pulverized or reduced to a powder and compounded with caoutchouc or india-rubber; and I do not desire to be understood as intending to claim any such a mixture, my object being to save the expense of pulverizing the cork-wood by using the shavings and chips in the state they come from the cork-cutter, and to use in their combination any suitable cement, whether elastic or non-elastic, so that the natural buoyancy of the cork-wood is preserved and a cheaper and better article is produced.

I claim—

The within-described composition of cork shavings or chips and cement, combined together under pressure, substantially as and for the purposes set forth.

WILLIAM KING.

Witnesses:

H. E. SMITH,

I. E. LEARNED.