

A. C. Crondal.

Hats & Caps.

Nº 44941

Patented Nov. 8, 1864.

Fig. 1.

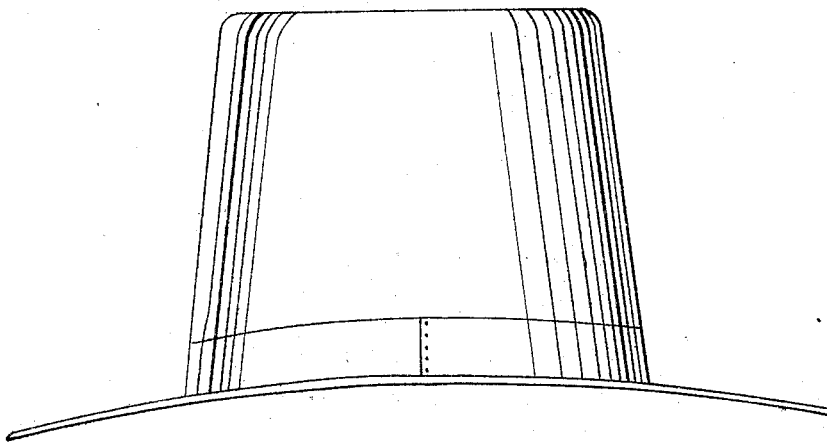
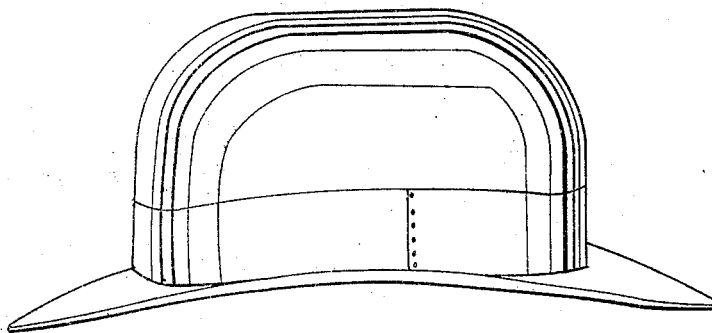


Fig. 3



Fig. 2.



Witnesses

James P. Hall

Wm. F. McNamee

Inventor

A. Courlander Crondal

UNITED STATES PATENT OFFICE.

A. C. CRONDAL, OF NEW YORK, N. Y.

IMPROVEMENT IN CORK HATS.

Specification forming part of Letters Patent No. 44,741, dated November 8, 1861.

To all whom it may concern:

Be it known that I, A. C. CRONDAL, of the city, county, and State of New York, have invented a new and Improved Cork Hat; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of a cork hat constructed according to my invention. Fig. 2 is a perspective view of a modification of the same. Fig. 3 is a transverse vertical section of one of its sides on a larger scale than the previous figures.

Similar letters of reference indicate like parts.

This invention consists of a cork hat made of two layers of cork, which are prepared with oil and packed or otherwise attached to an intervening piece of canvas, muslin, or other textile fabric in such a manner that a hat is produced which is durable, elastic, and impervious to water and to the rays of the sun.

By preparing the cork with oil all the hardness is removed from the same, and it is rendered soft, elastic, and impervious to water.

The cork is first cut up in slices of the requisite thickness by means of suitable machinery, and it is then prepared with oil. In order to effect this purpose, I mix animal oil with spirits of turpentine or other volatile hydrocarbon liquid, and, after the cork has been in-

troduced in this mixture, I apply pressure, either by mechanical or by hydrostatic means, until the cork is thoroughly penetrated with the oil. It is then removed and left to dry, when it is ready for use. By this preparation all hardness is removed from the cork, and it is rendered soft and elastic. The slices *a* of cork thus prepared I attach by suitable cement to an intervening piece, *b*, of muslin, canvas, or textile fabric, and thereby a material is obtained which can be worked into a hat of any desirable form or shape.

A hat produced according to this invention is impervious to water and to the sun's rays; it is light and agreeable to wear, and, if desired, it can be covered with any desirable textile or other material.

It is obvious that the animal oil in this preparation does not evaporate.

I would remark that I use the same preparation for cork mattresses which was secured to me by Letters Patent dated the 22d September, 1863.

I do not claim, broadly, the use of cork in the manufacture of hats; but

I claim as new and desire to secure by Letters Patent—

A cork hat made of prepared cork, as herein shown and described.

A. COURLANDER CRONDAL.

Witnesses:

JAMES P. HALL,
WM. F. McNAMARA.