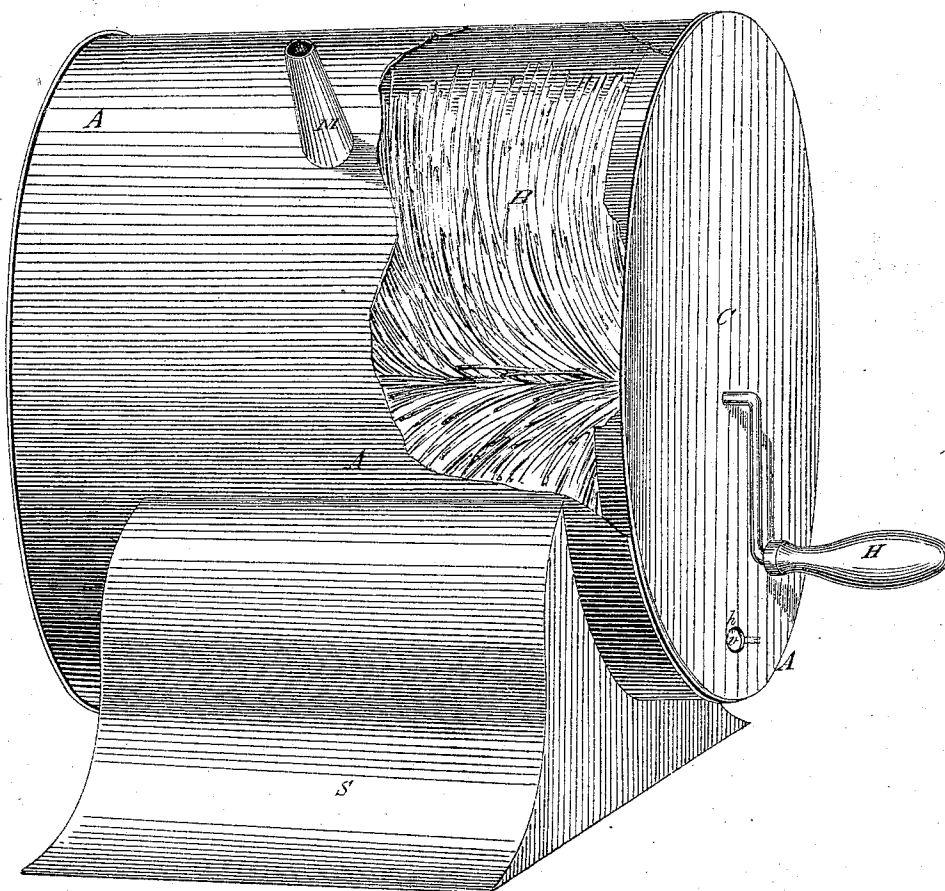


J. PINCHARD.

Compounds and Apparatus for the Cure of Asthma.

No. 137,093.

Patented March 25, 1873.



WITNESSES:

John H. Pitts
Wm M. Hughes

INVENTOR:

Jean Baptiste Pinchard
By Otto Lionel Varicas

UNITED STATES PATENT OFFICE.

JEAMBAPTISTE PINCHARD, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN COMPOUNDS AND APPARATUS FOR THE CURE OF ASTHMA.

Specification forming part of Letters Patent No. **137,093**, dated March 25, 1873.

To all whom it may concern:

Be it known that I, JEAMBAPTISTE PINCHARD, of the city and county of San Francisco, State of California, have invented a certain Chemical Compound and Apparatus for the Cure of Asthma, the said compound being administered by means of a simple mechanical contrivance herein fully described.

The compound consists of the following materials: Alum powder, sixty grains; gum acacia, twenty-seven grains; and camphor, three grains; to this is sometimes added, according to the case to be treated, six cubic feet of oxygen gas, with which the mixture is thoroughly saturated. This I introduce into the apparatus represented in the drawing and herewith submitted, consisting of an oval-shaped vessel, A A A, with stand S, cover C, and mouth-piece M. Into this vessel a cylindrical brush, B, is placed, extending its entire length, and filling it with the exception of a small space at the top. The brush B is made to revolve by the handle H on the axes, formed in the cover C and end of the vessel A A A. At the bottom of the lid C a small valve, *v*, working on a spring, is fitted to cover the hole *h*, so as to admit of the passage of air into the vessel when withdrawn by suction from the mouth-piece M.

When a patient is to be treated for asthma, the chemical elements or compounds are placed on this brush B and introduced within the vessel A A A, and the joint the cover C makes with this vessel is hermetically sealed by being pasted all round with a slip of paper; the mouth is then applied at M, and the handle H turned briskly while suction is induced to the required capacity of the individual, the apparatus serving as a vehicle for the proper inspiration of the gas and material that act directly on the lungs.

I claim as my invention—

1. The compound formed of the following materials in their respective relative proportions: Alum sixty grains, gum acacia twenty-seven grains, and camphor three grains, the whole mixed with or without the saturation of six cubic feet of oxygen gas, substantially as and for the purpose hereinbefore set forth.

2. The oval-shaped apparatus A A A, provided with a cover, C, interior brush B actuated by the handle H, mouth-piece M, and valve *v*, substantially as and for the purpose hereinbefore set forth.

JEAMBAPTISTE PINCHARD.

Witnesses:

JOHN H. PITTS,
PARKER CRITTENDEN.