

An improved respirator / [Oscar von Horstig].

Contributors

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Date of Application, 1st Aug., 1896—Accepted, 17th Oct., 1896

COMPLETE SPECIFICATION.

An Improved Respirator.

I, OSCAR VON HORSTIG, of No. 11 Roonstrasse, Saarbrücken, in the German Empire, Engineer, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement :—

5 My invention consists of a respirator made of caoutchouc, leather or wire-work, covered with closely woven textile fabric, and having a filtering bag through which passes the air to be inhaled.

In order that my invention may be the better understood I now proceed to describe the same, reference being had to the accompanying drawings, and to the
10 letters and figures marked thereon.

Figure 1 is a sectional view and Figure 2 is a back view of my device.

This apparatus consists of a frame made of caoutchouc, leather or other suitable material, which may be covered with closely woven textile material. The respirator covers the mouth and nose of the patient, and has a filter bag *f* which is
15 arranged in front of the entrance valve through which the air to be inhaled passes. This filter bag has a specially large filtering surface and may be filled with very dense filtering material such as cotton, linen, wool fabric, flannel, felt, asbestos or infusorial earth. If desired it may be provided with disinfecting materials and also with substances which affect favourably the throat or other organs of the body.
20 The current of air is led through two valves, which may be formed as ball or flap valves, so that the air to be inhaled passes to the patient through the filter-bag *f* and the entrance valve *v* and the exhaled air passes through the exit valve *v'* direct to the atmosphere without entering the filter bag. The apparatus is provided with a metal ring or cord *a*, to which are attached bands *b*, by which the respirator is
25 held in position over the mouth and nose of the patient.

Having now particularly described and ascertained the nature of this invention and in what manner the same is to be performed, I declare that what I claim is :—

A respirator constructed so that the air to be inhaled passes a very large
30 filtering surface, *f*, consisting of suitable substances, before it arrives at the entrance valve *v*, and the exhaled air is expelled direct to the exit valve *v'*, substantially as described.

Dated this 1st day of August 1896.

35

FELL & JAMES,
Agents for the Applicant.

London: Printed for Her Majesty's Stationery Office, by Darling & Son, Ltd.—1896



A. L. 1800

No 15110

Date of Application, 10 Aug. 1891 - Decree, 17th Oct. 1890

COMPLETION OF INVESTIGATION.

An Improved Receipt.

I, Oscar von Hesse, of Berlin, Germany, do hereby certify that the above-named receipt is a true and correct copy of the original receipt, and that the same is a true and correct copy of the original receipt, and that the same is a true and correct copy of the original receipt.

My hand and seal, at Berlin, Germany, this 10th day of August, 1891.

Oscar von Hesse.

Witness my hand and seal, at Berlin, Germany, this 10th day of August, 1891.

Oscar von Hesse.

Witness my hand and seal, at Berlin, Germany, this 10th day of August, 1891.

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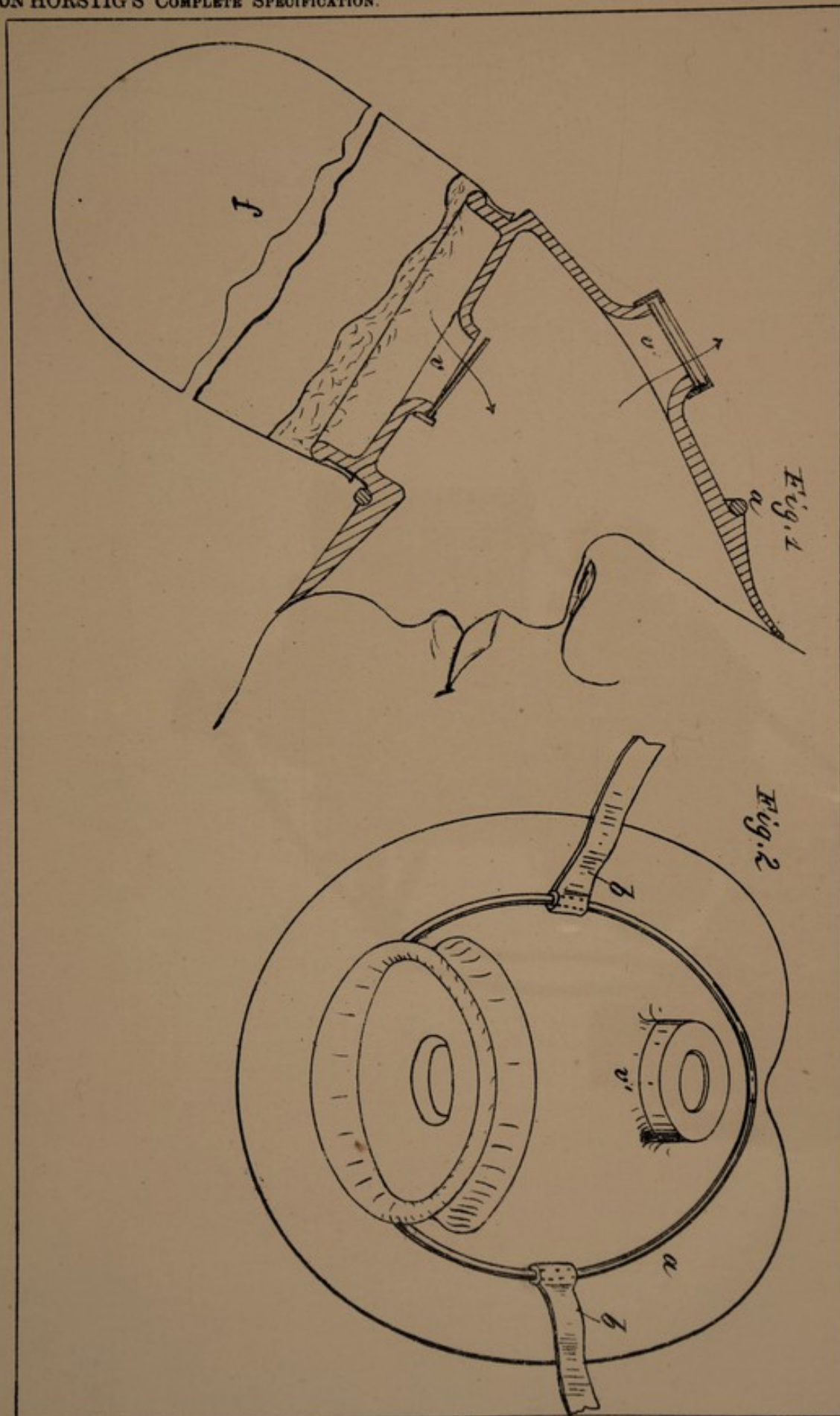
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Oscar von Hesse.

Witness my hand and seal, at Berlin, Germany, this 10th day of August, 1891.



[This Drawing is a reproduction of the Original on a reduced scale]

