CODMAN & SHURTLEFF'S

APPARATUSES FOR

Atomization of Liquids for Inhalation, Local Anæsthesia, &c.

BY the Atomizer, any medicated liquid may be converted into the finest spray. In this state it may be inhaled into the smallest air-cells, thus opening a new era in the treatment of all diseases of the throat and lungs. (Fig. 15.)

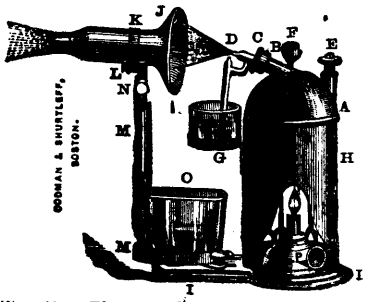

Fig. 15. The complete Steam Atomizer.

It consists of the sphere-shaped brass boiler A, steam outlet tube B, with packing box C, formed to receive rubber packing through which the atomizing tube D passes, steam tight, and by means of which tubes of various sizes may be tightly held against any force of steam, by screwing down the cover while the packing is warm; the safety valve E, capable of graduation for high or low pressure by the spring or screw in its top, the non-conducting handle F, by which the boiler may be lifted while hot, the medicament cup and cup-holder G, the support H, iron base I I, the glass face-shield J, with oval mouth-piece connected by the elastic band K with the cradle L whose slotted staff passes into a slot in the shield-stand M M, where it may be fixed at any height or angle required by the milled screw N.

The waste cup, medicament cup and lamp are held in their places in such a manner that they cannot fall out when the apparatus is carried or used over a bed or otherwise.

All its joints are hard soldered. It cannot be injured by exhaustion of water, or any attainable pressure of steam. It does not throw spirts of hot water, to frighten or scald the patient. Is compact and portable, occupies space of one-sixth cubic foot only, can be carried from place to place without removing the atomizing tube or the water, can be unpacked and repacked without loss of time. Will render the best of service for many years, and is cheap in the best sense of the word. Price $6; brass parts, nickel plated, additional, $2.50. Neatly made, strong black walnut box, with convenient handle, additional $2.50.

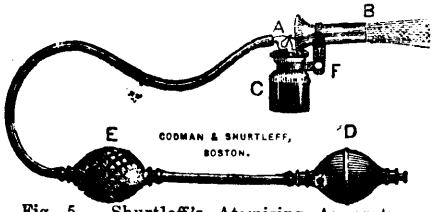

Fig. 5. Shurtleff's Atomizing Apparatus. Pat. March 24. 1868.

The most desirable hand apparatus. Rubber warranted of very best quality. Valves imperishable, every one carefully fitted to its seat and work perfectly in all positions. The bulbs are adapted to all the tubes made by us for Local Anæsthesia in Surgical Operations, Teeth Extraction and Inhalation. Price $4.00. Each of the above Apparatus is supplied with two carefully made annealed glass atomizing tubes, and accompanied with directions for use.

Every steam Apparatus is tested with steam, at very high pressure. Each apparatus is carefully packed for transportation, and warranted perfect. Also,

HAND BALL APPARATUS, (Fig. 5, without shield) with two glass tubes $3 50
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" TREMONT " " " 2 00
GLASS ATOMIZING TUBES, to fit any of our Apparatus, warranted perfect 25
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N.B.—To save collection expenses, funds should be sent with the order, either in form of draft, post-office order, or registered letter. ☞ For complete illustrated price-list of Apparatus, Tubes, &c., see pamphlet.

Will send by mail (post-paid), on application, a pamphlet containing two articles, by distinguished foreign authority, on "Inhalation of Atomized Liquids," with formulæ of those successfully employed. Also, an article by Dr. L. W. Thudichum, M.R.C.P., on "A New Mode of Treating Diseases of the Nasal Cavity," with his formulæ. Also an illustrated description of the best *Apparatus* for the above purposes, and for producing Local Anæsthesia by Atomization of Rhigolene.

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