

allowing the vapor to flow freely from the opposite nostril. Continue with intervals for breathing ten to fifteen minutes.

In this method the application is confined to the nasal passages and is useful where there is any obstruction, as the vapor may be forced through where an ordinary spray would be useless.

METHOD No. 8.

Adjust the valve by raising the adjusting collar until it almost comes in contact with the button. This will allow the valve to close automatically, but it may be opened slightly by pressure on the button. Apply the air pressure for about ten or twenty seconds, then shut it off. The valve being closed the vapor is retained in the globe under pressure. In the meantime the nasal tip should be pressed in one nostril and the other closed by pressure with the thumb.

The patient is now instructed to swallow or pronounce the word "hook." This closes the throat, and at the same time the valve should be opened momentarily by pressure upon the button. This permits the escape of the compressed vapor, which by expansion is forced into the middle ear, nasal sinuses, etc. This may be repeated several times before it is again necessary to turn on the air pressure.

If the vapor does not flow out with sufficient force, lower the adjusting collar. If there is too much force, raise the adjusting collar.

If the eustachian tubes are so obstructed that the ears cannot be inflated as above, the eustachian catheter may be used, connecting it with the inhaling tube.

This method affords the safest and most efficient means for inflating and medicating the middle ear, and is also of much value as a treatment for nasal catarrh which is almost invariably present in these cases, the mechanical pressure serving to diminish passive congestion, thus improving the circulation and nutrition in addition to the benefit derived from medication.

METHOD No. 9.

Proceed as in method No. 8 except in the manner of opening the valve. Having obtained the proper adjustment for the case under treatment, and everything else being in readiness the button should receive several rapid blows with the finger as in striking the keys of a piano. This produces a series of rapid inflations of the tympanic cavities, vibratory in character, and practically acts as a medicated massage not only to the middle ear but also to the nasal cavities and connecting sinuses.

This opens a new field in the treatment of these numerous and obstinate cases in which there are adhesions, contractions and anchyloses within the tympanic cavities. It produces vibration from within instead of from without, and tends to expansion rather than compression of the ear drums.