

bitter the harvesting of the crop which has been too diligently sown. These warning figures tell that, during the last twenty years, the total of deaths of males at all ages from heart disease, has increased in number from 5,746 in 1851 to 12,428 in 1870. The percentage of deaths from heart disease for 1,000 of population living was 755 between the years 1851 and 1856, it has risen to 1,085 from 1866 to 1870. This increase, it must be observed too, has taken place wholly in connection with the working years of actual social life. There is no change in the percentage of deaths from this cause in males under 25 years of age. Between 20 and 45 years of age it has risen from 553 to 709, and that almost exclusively in males, for there is almost no increase in the percentage of females dying from heart disease during the twenty-five years of life from 21 to 45. These figures convey their own lesson, and warn us to take a little more care not to kill ourselves for the sake of living.—*British Medical Journal*.

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## INSTRUMENT FOR THROWING SPRAY INTO THE MIDDLE EAR.

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Since the discovery of the possibility of making applications to the middle ear through the Eustachian catheter, many aurists have resorted to this method of medication, and many different appliances have been devised for its accomplishment.

About six years ago I had a nebulizing apparatus made on the plan of Richardson's, but with a long nozzle in the shape of an Eustachian catheter, the bottle holding the liquid to be nebulized being very small. It was hoped that the spray produced would be forced into the middle ear, but I was never able to convince myself that this really occurred.

On the other hand, it was a matter of daily observation that the sudden impulse given by Politzer's method of inflating the ear, forced air through the Eustachian tube, and when the membrana tympani was ruptured, even through the external meatus.

Here was a hint on which Mr. Bishop, of London, acted, and