

those which, like disastase and synaptase, are without this property. It has been observed by Muntz that ferments of the former class are neutralized by chloroform; not so those of the latter class.—*Pop. Sci. Monthly*.

**VACCINATION.**—In the Foundling Hospital, St. Petersburg, where most of the public vaccination is carried on, calf lymph has been used side by side with human lymph for the last five or six years. It is equally protective, and failures in primary operations have, by care and perseverance, been reduced as low as two per cent.

**IT IS STATED** by Galton that in England country boys, of fourteen years, average an inch and a quarter more in height, and seven pounds more in weight, than city boys of the same age, as shown by the examination of a large number of boys in country and city schools.—*Ibid*.

**PROF. S. P. SHARPLES**, of Boston, has drawn up tables showing the range of difference between different specimens of pure milk as regards the amount of solid matter they contain. The highest percentage of solid matter is 19.68, the lowest 9.3.

**PREVENTION OF SEWER GAS POISONING.**—The following extract from a paper read before the American Public Health Association, Nov. 1875, by F. Hambleton, C.E., of Baltimore, U.S., we heartily endorse and recommend to those who will use water closets instead of the dry earth closets. “To prevent sewer gas from getting into the house through water-closets or drains, their connection with the house should be entirely severed. In the case of the closet it must be thoroughly cut off from any connection with any room which opens directly into the house, or is so connected therewith as to participate in the reduction of atmospheric tension due to artificial heating and ventilation. This can be accomplished by so arranging the door of the closets that it shall open into the free air, only the approach to its door being through a latticed gallery or porch, as short as you like, from the door of the house to the door of the closet. The result of this would be that the closets would always have the nominal atmospheric pressure in them, whether the house had or not and consequently there would be no drawing of gas into them through defective and unsealed traps, and such gas as might find its way into them by pressure or otherwise would find its way out again through a suitable ventilator, extending above the roof of the dwelling.”