

SCIENCE AND PROGRESS.

VALUABLE INFORMATION FOR MANY READERS.

Amateur Astronomers—An Automatic Pitcher—Artificial Teeth for Horses—A Paper Hotel—Cast-Iron Railway Bridges.

Amateur Astronomers. The number of amateur astronomers is considerable, and it is safe to say that of all the sciences this is the one that can boast the most adepts among private persons.

An Automatic Pitcher. An automatic machine has been designed in England for the use of cricketers, which it is proposed to utilize with some modifications for practice in base-ball batting.

An Automatic Telephone. In addition to the ordinary public telephone in the post office of the Frankfort Electrical Exhibition, there has just been installed, for the convenience of visitors, by Messrs. Gould and Co., of Berlin, a new automatic telephone.

A Paper Hotel. There seems to be practically no limitation to the uses to which paper can be and is applied.

The Pasteur Institute. The Annales de l'Institut Pasteur have just been published, and contain complete statistics of inoculations for 1890.

Artificial Teeth for Horses. The inventive Yankee is now manufacturing false teeth for horses. A New York veterinary surgeon says that wonderful progress has been made in the art, and anything that can be done in human teeth can be done in horses' teeth.

Cast-Iron Railway Bridges. Sir John Fowler's report to the directors of the London and Brighton Railway with reference to their bridges states that the company has 171 cast-iron bridges together, and that 81 of these ought within three years to be replaced with wrought-iron or steel structures.

Lighting Mixture. If a small quantity of chlorate of potash be powdered and mixed with an equal quantity of powdered sugar, a candle may be lighted by means of the mixture without matches.

The New Bullets. There is quite a difference of opinion about the humanity of the new style of bullets for military purposes, which are claimed by the German surgeons to be the most humane missiles yet employed in war.

which is made to be fired from a rifle of small caliber, is long, so that its "weight of section," as it is termed by soldiers, is large, while its actual weight may be smaller than that of bullets of the old shape.

To Stop Coughing and Sneezing. Dr. Brown-Sequard, in one of his lectures, dwells with great emphasis on the importance of general knowledge in the matter of checking coughing and sneezing.

ITS ORIGIN. The history of the disease reaches back more than 2,000 years. Egypt is its native land where it has been known for thousands of years as the Egyptian ulcerated sore throat.

ITS PROPAGATION. The serous fluid in the throat is a deadly poison, and the chief source of the infection. It is generally flies out during the act of coughing; a particle lodges on the lips, tongue or eye, or on any denuded surface or abrasion, and gives the disease, which always concentrates in the throat.

ITS REMEDIES. The first of all remedies is to keep children and young people entirely away from the disease; keep them out of the room; another house is preferable.

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DIPHTHERIA.

Its Symptoms, Fatality, Origin, Mode of Propagation and the Remedies.

In mild cases the symptoms are much like a common cold, often the false membrane forms in the throat and on the tonsils, there is a sensation like cotton sticking in the throat, and the patient makes constant efforts at hawking and coughing to dislodge it.

FATALITY OF DIPHTHERIA. The average mortality is about the same as in cholera and yellow fever—about thirty-three per cent, or about one-third.

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"Keep in the Middle of the Road."

M. M. Lespley gives an account of a soldier who took the disease by using a teaspoon after a diphtheric patient.

NATURE OF THE CONTAGION. The poison is acid and not entirely unlike the which issues from the fangs of the rattlesnake or the bee's stinger, but resembles the oil of cantharides nearer than any other agent the chemist has been able to discover for which there is no antidote.

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