of a calm, philosophical person; it was rather the inherited quality which led to the difference in behavior and, in the case of the philosophical person, gave long

External Indications.- There were certain external indications which would give a fair idea of long and short life. It was not in one trait, but in the entire make-up of the individual who stood before the examiner. There were the color, the motions, the measurements, including size of head, which was one of the most certain indications of long or short life, for in the brain lay the great center of power. A person with a head whose diameter at the thin portion of the temporal bones measured five and a half to six inches was almost sure to give a longevity on the father's side of seventy to ninety years or over. If the head measured in front from the external auditory canal to the nasofrontal suture as much as four and three-fourths or five inches, we might be almost sure of long life on thematernal side. A beard which was darker or redder than the hair indicated inheritance from the paternal side; if it were lighter than the hair, the inheritance was probably from the maternal side. The length of the chest, its proportion to the circumference to the height of the individual, and other measurements, were important.

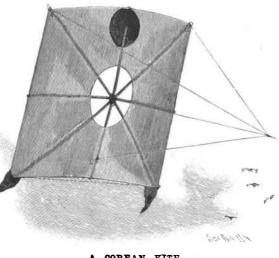
Emphysema and Starvation.-The chairman, Dr. Quimby, quite agreed with Dr. Morris as to the importance of inheritance, but he had been struck with the powerful influence which habit or conditions of life had in the production of certain diseases. He referred especially to emphysema, which he said he had encountered with startling frequency in the dispensaries, and had come to the conclusion that it was due to bad food or insufficient nourishment among poor people. He had found the emphysematouschest repeatedly in persons only twenty-five years of age, or even younger, who visited dispensaries. In striking contrast with this experience, he had not in ten years examined a musician who had emphysema.-Medical Record.

Possibilities of Reparative Surgery.

Surgical literature, especially in recent years, conthat would-be sellers in England do sometimes go so tains records of numerous cases in which divided tenfar as to send out catalogues in French or some other dons, veins and nerves have been sutured, and in which small members of the body, such as the fingers or the foreign language, but that even then they "persist in retaining the intricate English standards of weights end of the nose, have been successfully reunited. In and measures." It is added: The metric system is an article on the surgery of the hand, a liberal abstract of which appears on another page of this journal, Dr. the one now employed throughout Bulgaria, and it is useless for English mannfacturers-especially of Abbe foreshadows what may become a reality in the machinery and hardware-to expect that their potenfuture—the restoration of completely severed major tial foreign customers will give themselves the trouparts of the body. The possibility of accomplishing this depends essentially upon our ability to restore the ble of learning our avoirdupois and dimension tables in order to be able to puzzle out quarters, pounds arterial continuity and supply sufficient nourishment to the severed extremity. Experiments in this direcand ounces, yards and inches, gallons, pints, etc., tion have been made by Dr. Abbe on animals, and into their metric equivalent. Regarding Peru a correspondent writes complainthe results obtained are of great interest. After cutting across the femorals in a dog he inserted smooth ing of the inconvenience he suffers when consigning sterilized glass tubes, slightly constricted to an hour-VIA unford machinery. Shipping specifications have to be sent glass shape, tied each end of the vessel over the tube out in metric weights and measures, and if there are NOVEL REEL FOR KITE STRING. any errors, his customers are liable to a fine. This by fine silk thread, and then brought the thread ends together. Primary union took place and the limb was means that he has to make out the specifications but the mines are not properly worked. The King of as well nourished as ever; but in order to determine twice over, first in English and then in metric Corea is a vassal of the Chinese empire, but at the whether this was not due to collateral circulation Dr. weights and measures. He, therefore, urges, and not same time is an absolute monarch within his own unreasonably, that the metric system should be Abbe cut out one of the tubes and found the lower country. Some of the honors which he receives are end of the vessel occluded by slow endarteritis. To adopted officially in England. This would doubtless very curious. To touch the person of the king with a eliminate the element of collateral circulation he tied lead to its being adopted by all shipowners and carweapon of iron is high treason, and a king will rather riers, and one more step in the direction of an interinto the aorta of a cat an inch of very thin glass die than submit to any kind of a surgical operation tube sterilized by boiling and filled with water before national system of weights would be taken. Great Brion account of this curious superstition. The language inserting to prevent air emboli. This animal also tain is almost the only civilized country of first rank spoken is not Chinese, but belongs to the Turanian recovered perfectly. A still more radical procedure which is blind to the interests at stake in this question, family. Education is held in high estimation and the was then practiced. After dissecting out the brachial and it is high time that a public inquiry should be inreligion is Confucianism. The people live in comfortaartery and vein near the axilla of a dog's forelimb, stituted. and holding these apart, he amputated the limb Pneumatic Tubes in Chicago. through the shoulder muscles and sawed through the A pneumatic tube service between the offices of the bone, leaving the limb attached only by the vessels. He then sutured the bone with silver wire, the nerves various newspapers and news associations of Chicago with fine silk, and each muscle by itself, making a has just been put in operation. Twenty-nine conduits were laid under Clark Street, beginning at Jackson separate series of continuous suturing of the fascia lata and running north, and branching off at cross streets and skin. Perfect union and restoration of function also took place in this instance. This experiment leading to their respective destinations. These condemonstrates that a limb will survive division of all duits consist of seamless drawn brass tubes 2% inches its structures if an artery be left; and further the in diameter, laid in square vitrified clay pipes, surrounded by about 10 inches of Portland cement. In author points out that if an arterial supply can be restored to a completely amputated limb, that limb this way all dampness is avoided. In sending the caralso may be grafted back to its original or a corresriers through these tubes only the pressure of the atponding stump. Should Dr. Abbe's investigations-as mosphere will be used, the necessary vacuum in the yet incomplete-show that it is possible to do this in receiving end being produced by an ejector. The car-A CURIOUS COREAN LOCK. animals, an important contribution will have been rier is made of flexible leather, with an inner spiral made to the subject of reparative surgery. The tissues ble tile-roofed houses heated by flues. Though Corea frame to keep it in shape, and a band of felt around of animals, however, possess so much higher reparahas no railroad as yet, it has electric lights, steameach end to make it comparatively air tight. It is $2\frac{3}{4}$ tive power than those of human beings, that it is diffiinches in diameter and 8 inches long. This system conship and telegraph lines. cult to predict the possibilities of this fin de siecle In the history of commerce Corea occupies a curious nects the City Press Association and the Western position, treaties having been only in force since 1882. method of grafting.-International Journal of Sur-Union Telegraph offices, at Jackson and Clark Streets, The exhibit of Corea at Chicago marks a new epoch with the offices of the different newspapers, national gery. in the relations of Corea with the rest of the world. It and international news agencies and the central police Snow Crystals. is to be hoped that the insular position of Corea will station. About one minute is required for a carrier Snow crystals are now studied with so much more be modified by contact with other nations, as the to traverse the longest line. Several years ago the accuracy from microphotographs than from naked eye people of this strange country have many virtues and principal newspaper offices in this city were connected observations that physicists and meteorologists no excellences hardly to be expected in people of their with the Western Union Telegraph office by pneulonger depend upon the old method. Prof. G. Hell-'state of civilization. We illustrate several objects matic tubes.

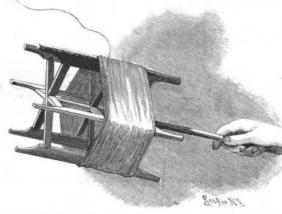
in a hurry which made his life a greater risk than that mann, in his recent valuable work, "Schnee-krystalle," proposes that the crystals be classified as columnar and tabular, subdividing the former class into prisms and pyramids, the latter into stars, plates, and a combination of both.

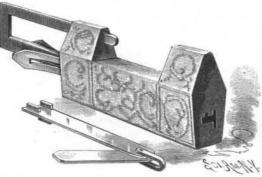
> THE COLUMBIAN EXPOSITION-COREAN EXHIBITS. Corea is a kingdom of Eastern Asia, and its territory is chiefly included in the peninsula lying between the Yellow Sea and the Sea of Japan. The area is about



A COREAN KITE.

80,000 square inites, or about two and one-half times the size of Scotland. The population of Corea is estimated at about 12,000,000 and the capital, Seoul, has 250,000 inhabitants. The country is mountainous and is well furnished with rivers. The temperature, though more equable than the surrounding country, is higher in winter and lower in summer than under the same latitudes in Europe. Rice, rye, wheat, millet, tobacco, cotton and hemp are cultivated, but the potato, which was lately introduced into the country, is under a government interdict. Corea is rich in mineral resources.





which were exhibited at the Fair. Kite flying is an amusement which is almost universal. The Chinese, Japanese, and Mexicans excel in kite making and flying, and the Coreans are certainly not far behind them. The kite shown in the cut is of moderate size and is made of sticks covered with varnished paper. It will be noticed that at top and bottom the sticks are bent by strings, so that the part of the kite which is exposed to the wind is convex. One peculiarity of the Corean kite is a hole in the center. At the point where the sticksmeet in the center the string, which is usually colored, is attached. Three guy lines of equal length steady the kite, and by varying their point of attachment almost any angle can be produced and the kite adapted to all winds. The kites are decorated with paint, the ball being the most common object represented. We also illustrate a reel which is used in kite flying. This reel is about seven inches in diameter and is well made. It turns freely on a pointed stick which is thrust into the ground. Like the Mexicans, the Coreans are very fond of kite fighting. They oil the string near the kite and rub on glass in powder. In a kite battle each person tries to drag his glass-covered string over an unprotected portion of his adversary's string, thus cutting the cord and allowing the kite to blow away.

A curious Corean lock is shown in our third illustration. The lock is after the style of a padlock, and is made of brass. The lock is shown open. The key and the internal mechanism of the lock are very primitive. The two lugs on the upper part of the key press the two springs together and allow the bolt to move. The security of the lock depends upon the springs, which snap into place as soon as they have passed inside, thus forming a V inside the case, in a similar manner as they form a Voutside, as shown. Many of the other articles on exhibition showed that the Coreans are handicraftsmen of no mean order, though a lack of proper instruction in regard to mechanical contrivances is shown.

Want of Metric Weights and Measures a Hindrance to Foreign Trade.

In the last published British Foreign Office report (No. 1,300) on the trade, etc., of Bulgaria, it is stated