

Practical Information as to Business Matters and  
Money Making in the Sandwich Islands.

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Special Correspondent of the NEWS.  
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BETTER MONOLITHS

**SCHOOLS AND SCHOOL POLICEMEN.**

There is no place in the world where public schools are so carefully managed as in the Sandwich Islands. These of Honolulu have exceptionally high standards. Japanese women, as well as men, have been imported in large numbers to work on the plantations. Such importations are on the contract labor system, the contract usually being made for three years.

three plantations which have been established have cost, respectively, \$290,000, \$2,000,000 and \$2,000,000. There is no more money for the small capitalist, and a lot of the plantations are now managed by stock companies. It takes a year or more to grow the crop, and only three crops can be made in ten years. Fertilizers to the amount of \$200,000 were used on the cane there last year, and more than half of this fertilizing matter was imported.

MUCH OF THE remainder of the fertilizer came from the guano field of the 15 small islands. If the country is a rich one, and the people are poor, as in Tinian, San Juan and the other islands, the guano is sold to the people of the main islands. In the case of Tinian, it is sold to the people of the main islands, who use it for their gardens. In the case of San Juan, it is sold to the people of the main islands, who use it for their gardens. In the case of the other islands, it is sold to the people of the main islands, who use it for their gardens.

**PORTUNES IN COPPER RAISING.**

The Hawaiians here at Washington say that is the best chance for the large or small investor in Hawaii just now is in coffee lands. There is a large amount of such land on the islands. They lie just above the sugar belt, at an altitude of from 1,500 to 2,000 ft. above the sea, giving the planter the fine climate in the world. Good lands can be bought on the market for \$25 an acre, but the government, which is very anxious to have small investors, is selling to government and to home-makers for from \$10 to \$15 an acre. Fully acres make a

good-sized plantation for one man to cultivate. These workmen are like domestic slaves, and are paid only for the coffee they cut, trim and take to the mill. They begin to hear about the third year, when the plantation owner has to stop. From this point on, the owner, as independent living for the remainder of his life, has to make his own way in the world. It takes some labor, however, to make such a plantation, and a man usually has to wait 25,000 acres. The cost of maintaining a plantation of seventy-five acres for several years, including construction of all the buildings, this means an expenditure of \$1,000 at the start. The fifth year of a plantation of 75 acres in plantation should produce 50,000 pounds of coffee and bring in an increase of \$100,000. The fifth year of a plantation of \$15,000 and the sixth year, according to these figures, \$100,000, and at that time the owner has to stop. The seventh year of the next year will be 500 acres and will have to maintain 500 acres of the land, forcing the purchasing in the plants and tools, the salary of a manager, and will cost 25,000 acres, a paying laborer. Japan has no other means of preparation of the coffee for the market are similar. How then the figures are calculated? The figures are calculated by the department of foreign affairs of the Dominican government. A city agent in the owner at this stage might manage it himself.

the first time, and, moreover, to continue to use the same name. The company was capitalized at \$35,000 a mile, and it has fifteen miles of track. It has co-tailed cars run by mules, and although there has been a general demand that electricity be adopted, the Company will not accede to it. As far as I can learn, the English asked the heg as to the matter from the start. They capitalized the road at \$300,000 and took \$60,000 out of it. They took some of the stock of the managers, sold the remainder and paid a dividend. A man of London and a partner, each of whom gets a good salary by the time the interest on the bonds and the salaries are paid, there is no more to be paid. The company is so arranged that the road could be easily paralleled and a franchise could be secured.

Frank G. Carpenter

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**FITSCURED**

Cheese T. C., Journal of Hygiene.

Prof. W. H. Pinner addresses a lecture at Plymouth, discussing double trouble and secondary infections among influenza patients. His lessons are authoritative. We have heard of cases of "new" influenza caused by the publication of a sensational newspaper article about the epidemic which has been going on since the outbreak of the war. One is inclined to wonder how many read the P.P.A. and Express articles. What advice are people seeking in news to address.

## SCIENTIFIC MISCELLANY.

Am. J. in Agronomy—Standardized Iron and Steel—Sudden Change Diet—An Index of the Nutrient Morphogenesis—Feeding of Crails—A New Simultaneous Center—A Vase's Lightning Guard.

It was only seventy-two years ago—single life-spans!—that Dr. Kitchen wrote that not more than ten astronomers of the age of sixteenth-century Copernicus had been made in 1,565 years, and predicted that future opticians might take a lifetime for perfecting the objectives that sizes. This magnificent, historic Yale-Yerkes object-glass, recently completed, has a light-gathering power about eight times as great as the finest of the sixteenth-century object-glasses. The physicist, this great object-glass, the Lick thirty-inch, is the work of an American optician, made for an American observatory, and this most powerful foreign telescope is that of Palomar with a thirty-inch or less glass of American make. Three such telescopes, with the progress of science in the New World American astronomy, which has yet

such amazing development in 10 years, is as Prof. E. S. Holm points out, scarcely more than half a century old, the first working observatory having been established as late as 1851, although the first college observatory was opened at Chapel Hill, N. C., 1857. With the present superior equipment of apparatus and observers, what may we not expect in the future? The first observatory in Europe was erected at Nurnburg in 1525, the observatory at Greenwich dating from 1675, and that of Paris from 1762.

An international association for testing iron, steel and other structural materials, was decided upon at a congress held at Zurich in 1935, the purpose being to standardize the methods of testing. The association has since been organized, and is to establish a reference library and laboratory at Zurich, the expense to be divided among the various countries in proportion to their production.

[illegible]

trusts in the food, and replacing them from the food and replacing them with pure proteins with salt extractives in water, the merits of sweetmeats, trical's head and legs, unseasoned food and many vegetables being too appreciated in such cases. The secret of the effects of such foods is absence of liability to ferment and generate gases. Experience proves that most of the benefit of a complete change of diet is obtained during a period only, and, indeed, the therapeutic value may sometimes lie in nothing but the change.

A colossal work now being carried out by a committee of the British Association for the Advancement of Science is the preparation of an "Index Animalium," designed to list all the life ever given to animals. Zoologists compute that 250,000 species of recent animals have been named, and the committee will bring the number up to 500,000; while some animals live but as many as twenty different names and the average number applied each species in the British Museum is 10. Assuming that all species known at once (three names each, the complete index will contain not less than 1,650,000 references. Mr. C. Davis, librarian, has been working four years at this task, and will be in the interval examining all lands and all ages, verifying species and dates, and cataloguing by steps.

The alphabetical order of the gonads is the consequence of the fact that the gonads of the same sex are arranged for the convenience of students visiting the British Museum as the work progresses.

A Budapest physiologist finds that gonostion is more rapid in the hysteresis-like than in the usual and the digonostion is active in gonostion in the rest.

The morphological, according to the French work, is most prevalent in Germany, France, and the United States, the number of victims being large also in Russia, Sweden, Turkey and Japan. The victims are mostly young men, who are said to be addicted to the use of the drug. Not less than thirty per cent. of the male population in the present, being men of leisure, eight per cent. merchants, and the smallest number being young men, students, and soldiers. Of the female victims, forty-three per cent. are women of leisure, and ten per cent. are women of moderate means. The victims are mostly morphomorphs, laudanum drinking, opium smoking are the various forms of indulgence, the most fashionable being probably the first named.

A method of growing crystals of most purity and transparency has been described by the French chemist, Dr. Wat-wat. The small crystal mounted in such a manner that it can be continuously rotated in the light, and the crystals in the same manner. When crystals are grown in any at all, successfully in their own color and form, they are the best. Especially fine results were obtained

with potassium and ammonium salts, copper sulfate and sodium chloride.

The stomach bocker of Dr. Max Eichorn is described as about the size of a small peanut, with an open, incised rim. It is easily swallowed, and is drawn up in about five minutes by the silk thread attached; the desired samples of the stomach's contents being thus readily obtained with less discomfort than when the stomach tube is used.

Electrical maintenance crews are working on high-voltage lines, as in Utah's Park. Some locations get extra support as the telephone wires cover a distance of an eighth of a mile, both passengers, however, are reported to be very calm in Mount Kin's, and it is doubtful whether lightning has occurred since those days, at an old station on the mountain side. Kin's huge cap of smoke and hot air is supposed to act as a gigantic lightning guard.

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If it is the enjoyment of good health, and the system is regular, haematuria or other troubles are then not needed. It is sufficient to have the prostate checked out, and may be determined to the most skillful urologist, but if in need of a treatment, one should have the best, and with the most informed everywhere, in that of the Physicians himself and, most varied, good and true, most careful and education.



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 Place of contest of breed will be at the home of W. S. Henderson. Ladies will  
 begin their List of breed before 12 M. on above date.  
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