THE NICARAGUA CANAL CONVENTION.

At the recent New Orleans convention, which was attended by prominent business men from many sec- goes back into the dateless ages. Isolated references to tions of the country, the main effort was to bring to its application in the East are met with here and there bear upon Congress sufficient influence to secure gov- in the records of western travelers in those parts, but, ernment aid in building the Nicaragua Canal,* such says the Chemist and Druggist, we shall probably aid to be extended in such way as to give the govern- never know the name of its discoverer or the early ment almost sovereign power over the work. Senator history of its introduction. We do not even know Morgan, of the Committee on Foreign Affairs of the with absolute certainty when, and by whom, menthol United States Senate, made the principal speech, in crystals were first brought to the notice of European which he insisted that the bill now before the Senate, pharmacologists. It is said that they have been used providing for the indorsement of \$100,000,000 canal pharmaceutically on the Continent as long ago as the bonds, ought to be passed, and receive the hearty approval of all intelligent citizens. He said the canal company was willing to give to the government \$70,000,-000 of the bonds, in order to lodge the control of the canal in Washington, and thought that the concession of a neutral strip of land along the canal by Nicaragua about 1864 a consignment of the drug was received in would prove to be really the cession of so much terri- London under the name of Chinese peppermint oil, tory to the United States. A strong committee was and passingly commented upon for its curious property appointed to urge upon Congress "to take such steps of solidifying with a fall in the temperature. To the and give such financial aid as will insure the speedy completion of the canal at the minimum cost thereof, tinction of first having called the attention of British taking proper security for any credit pledged or money pharmacists to the valuable properties of menthol. advanced for this purpose, and retaining such control Mr. Mackay is believed to have brought "Po-Ho oil' and supervision of the same as will insure the peaceful with him from Paris, where it was then sold, in the use of this great enterprise to the commerce of the small red-labeled Chinese bottles familiar to eastern world at the lowest possible rates."

To Darken Oak.

gating the material with ammoniacal vapor, which fortune for its first exploiter. But as the drug hapeffectively produces the dark coloring so much desired. pened to have a solid therapeutic value, it had to In accomplishing this, the method consists in placing the material to be darkened in an approximately air- cule, animosity, and unreasoning popularity, just like tight room in which no light enters; or for small work a any new creed or reformer. The commercial history packing box will suffice, the joints or cracks to be well of menthol practically dates from 1878, when an Engpasted over with paper. In this room or receptacle for lish firm in Yokohama made a small shipment of it to depositing the furniture or other articles is placed a London, determined not to rest until they had sucflat porcelain or earthen vessel filled with ammonia, ceeded in securing for the remedy a footing upon the the vessel containing the liquid being, of course, set market. After many months their shipment went on the ground or floor, that the fumes or vapor may back, with a note from the agents, announcing that strike to advantage the articles to be darkened; if the "the stuff" could not be sold here, as no one knew apartment is large, two or more vessels containing am- what to do with it. But the Yokohama firm persemonia may be employed and allowed to remain until vered, and they reaped their reward. Four years later the desired effect is secured. The ammonia does not menthol crystals were the rage of the season, selling at touch the oak, but the gas that proceeds from it acts 60s. per lb. wholesale, and carried about in cone shape in a peculiar manner upon the tannic acid contained in by all persons with any pretense to the possession of a oak, browning it so deeply that a shaving or two may civilized nervous system. actually be taken off without removing the color. The depth of shade depends upon the quantity of ammonia used and the duration of exposure.

A Demonstration of the Cholera Bacillus.

At a recent meeting of the Section in General Medi- even superior advantages for many purposes of the crecine of the New York Academy of Medicine, Dr. E. K. sols as disinfectants. It was discovered that crude car-Dunham gave a most interesting demonstration of the bolic acid made soluble by the action of sulphuric acid comma bacillus of Asiatic cholera. Tube cultures and surpassed in germicidal power an equally strong soluplate colonies of the organism were projected upon the tion of pure phenol, besides which creolin, although screen, and their morphological and biological charac- free from carbolic acid, was proved to be of unmistakters pointed out. The bacilli themselves were shown ably superior disinfecting activity to the latter. Being under the microscope, both alive in a drop of the cul- insoluble in water, however, these cresols were negture fluid and also stained by the ordinary methods. Photomicrographs of the latter were also shown by with resin soap. Although very efficacious, these premeans of the dark lantern. The cultures had been parations were only emulsions; and it remained for the made in the usual way from the dejecta obtained from cresols to be made soluble, as now in the form of lysol, the nine cases of cholera recently observed in New in order that what can be called the ideal soluble dis-York. In two of the cases cover glasses, prepared di- infectant should be made generally available. Lysol is rectly from the intestinal contents, showed the charac- produced by dissolving in fat, and subsequently saponiteristic germ. In the seven other cases cultures had fying, with the addition of alcohol, the fraction of tar been required before the bacillus was found. Cultures oil which boils between 190° and 200° Cent. It is a from some of these cases had been sent to Dr. Petri, brown, oily-looking, clear liquid, with a feebly aromatic director of the bacteriological department of the Im- creosote-like odor. It contains 50 per cent of cresols; perial Board of Health at Berlin, and a letter in reply and it is miscible with water to a clear, saponaceous, had been received from Dr. Petri stating that he could frothing fluid. It shows turbidity when mixed with wooden bird cages, each with a canary bird in it. Imdetect no difference between Dr. Dunham's cultures hard water; but its disinfectant quality is not impaired mediately every one of the 5,040 birds stretched its and those made from the cases in Hamburg. -N. X. thereby. It acts, to all intents and purposes, as a soap; Med. Jour.

Oil of Sweet Almonds.

The United States consul in Liverpool recently re- has given to the service of mankind. ceived orders from government to inquire into the

The medicinal use of menthol in China and Japan end of the last century, but if that statement is capable of proof, the drug must have fallen into oblivion shortly after its introduction, for it was certainly utterly unknown, even by repute, to most persons in the drug trade twenty-five years ago. Somewhere late Mr. John Mackay, of Edinburgh, belongs the distravelers, as a kind of proprietary article. Had menthol been an utterly valueless quack medicine, it would, perhaps, have taken Europe by storm then, Oak for decorative wood work is produced by fumi- and reigned for a season, just long enough to gather a wrestle through the familiar stages of contumely, ridi-

Lysol.

Attention having been drawn by the recent cholera scare" to the popularity of carbolic acid as a disinfectant, notice is being taken in medical circles of the lected until the idea was hit upon of combining them and it is admirably adapted for use in surgical operations. According to German testimony, lysol is one of looking out on green heath and a blue sky. the most precious products of coal tar which chemistry

into briquettes, which are calcined, pulverized, and kept ready for use.

Method of Capturing Mosquitoes.

An ingenious method of capturing adult mosquitoes in the house is in extensive use in some localities in New Jersev. We have not seen it described in print. and mention it here in the hope that it may be new to some of our readers. It consists in nailing to the end, or rather the top, of a stick the lid of a small tin box, such as a yeast powder box. The stick must be long enough to enable the operator to reach the ceiling, and the tin cover of the box is nailed to it in an inverted position. Into this receptacle is then poured a tablespoonful of kerosene, and the mosquitoes at rest upon the ceiling are easily trapped by simply placing this kerosene cup under them and close up to the ceiling. In their endeavor to escape they fall at once into the kerosene and are killed. On the morning of September 25 the writer captured in this way seventy-five mosquitoes on the ceiling of the room which he had occupied during the night. Most of the seventy-five were filled with blood, which, we think, is a sufficient argument in favor of performing the operation before going to bed rather than after arising !-- Insect Life.

Gigantic Steel Works.

The Carnegie Steel Company, limited, was organized last July with a capital of \$25,000,000. Record has recently been filed at Pittsburg. The Bulletin has the following list of stockholders in the new company: Andrew Carnegie heads the list with \$13,833,333, or \$1,333,000 more than the controlling interest. The other large stockholders are: Henry Phipps, Jr., who holds \$2,750,000; H. C. Frick, \$2,750,000; G. Lauder, \$1,000,-000; W. H. Singer, \$500,000; H. M. Curry, \$500,000; H. W. Borntraenger, \$500,000; J. G. A. Leishman, \$500,000; Wm. L Abbott, \$250,000; Otis H Childs, \$250,000; and J. W. Vandervort, \$200,000. There are twenty-three stockholders in all. The works included in the reorganization are the Edgar Thomson, Homestead, Duquesne, Upper and Lower Union Mills, the Lucy Furnaces, Keystone Bridge Works, Beaver Falls Mills, the Scotia Ore Mines, the Larimer Coke Works, and the Youghiogheny Coke Works.

Drake's Columbus Drinking Fountain.

At a cost of fifteen thousand dollars, John B. Drake, proprietor of the Grand Pacific Hotel, and one of Chicago's leading citizens, is just completing in that city a public drinking fountain, which is regarded as one of the most ornamental creations of its kind in the world. The design is Gothic in style, and the material is a fine warm-tinted coral granite from Italy. The structure occupies a space on the north side of Washington Street, between the city and county buildings, and is 32 feet in height. Below the platform is a chamber which will hold three tons of ice. effectually cooling the water, which flows through coils of pipe below and around the ice.

Mr. Drake has long felt that public drinking fountains in the populous parts of great cities would promote the cause of temperance in the best possible way. Let Mr. Drake's good example be followed by citizens of other cities and towns.

Where Canary Birds Come From,

When the North German Lloyd steamer Herrmann unloaded at New York lately, twenty large bundles shrouded in white cloth were carefully lifted from the hold and placed on the dock. From each bundle came a chorus of angry twitterings and chirpings and much fluttering of wings. Each bundle contained 252 little little yellow throat in an effort to outsing his neighbor. They carolled and trilled as merrily as if they were

The canaries are of three grades; the \$2.50 birds, the \$5 birds, and the \$10 birds. The ordinary birds are worth \$2.50. A large, fine bird, or one of particularly handsome coloring, brings twice that price, while a distinguished vocalist will bring \$10. All the birds to be the principal, if not the only, firms in England for the preparation of an absolutely waterproof ce- are males and singers. They come from Germany, engaged in this business. There here are crushed by ment, consisting in the addition to ordinary cement of where they are bred in large numbers. It is probable hydraulic pressure, and from the cake thus formed the acetate or palmitate of alumina. By further adding that all of the 5,040 birds will be sold within a few oil is distilled. The same process is carried on in chromate of magnesia to this mixture, the cement is weeks. This is the busy time in the canary market, and within the past week more than 10,000 of these

manufacture of oil of sweet almonds in England. He repets that two London firms, whom he names, seem Havre; but it is said that there the kernel of the peach made refractory as well as moisture-repelling. The is used instead of the almond, and that, consequently, | idea is that cement of this character would be advan- | birds have arrived, classed as live stock. the oil is cheaper in price and not so good.

become quite common in this city. For invalids and nervous persons our physicians recommend their use. only a little while, owing to our rough pavements and cheaper substance than rubber, which will be more enduring, cost less, and be sufficiently elastic to meet the requirements?

in Scientific American Supplements 683 and 687.

Waterproof and Fireproof Cement,

Herr Alwin Nieske, of Altherzberg, suggests a method tageous for use in very damp situations, or for tanks, etc., underground. The proportion of palmitate of

THE use of rubber tires on private carriages has alumina to be employed will vary according to circumstances, the nature of the mortar or cement, and the Roanoke, Va., has recently built a hydraulic ram character of the work to be done; but 10 per cent of the which yields remarkable results. It is attached to an But the rubber tire is not only expensive, but lasts, palmitate would be a good proportion for any kind of 18 inch drive pipe with a 4 inch discharge pipe, and hydraulic mortar. If the cement is needed to resist weighs aton. This ram, under a head of 7 feet, elevated street railway tracks. Why will not some one invent a humidity, and be at the same time refractory to fire, a agallon of water per second to a height of 34 feet. It is mixture is made in about equal parts of the cement said that during the experiment the ram took in the mortar with the palmitate and a chromic magnesia requisite quantity of air and worked very steadily and prepared with oxide of chromium, 32 to 42 parts; satisfactorily. It has thus been demonstrated that it *Illustrations and full details of the canal and its cost may be found alumina, 18 to 22 parts; magnesia, 18 to 20 parts. The is quite within the range of possibilities to make larger mixture of these earths, wetted with water, is formed hydraulic rams than have heretofore been thought of.

A Large Hydraulic Ram.

Rife's Hydraulic Engine Manufacturing Company,