CODFISHING.

HOW AN IMPORTANT FOOD the practice gains in popularity, and the FISH IS CAUGHT. New York Cremation Society is now

Characteristics of the Cod Trawl Fishing From Dories-Lines 3000 Feet Long-Cur-· ing the Fish.

The cod along our shores differs a bare, but substantial-looking building. little from that on the Banks, being of of white-washed bricks, with two lofty another species. It is not a migratory smokestacks, and you have a good idea fish, like the mackerel, but lives in great of the building. Neither within nor colonies, having but a limited range. without is there the slightest attempt at Although they may live in very near decoration. All seems cold, austere and waters, it is said that they do not inter- forbidding. The body of Henry Walley was in mingle with those of a neighboring The fish of each has character- cinerated on a recent afternoon. The colony. istics which distinguish it from those of mourners were seated in a row upon

another.

In general, it may be said, that the furnace. The coffin was carried into the cod is of a greenish brown, when fresh rear room, opened, and the body enfrom the water, and is spotted with red- veloped in a sheet soaked in a solution dish yellow. The under part is a silvery of alum, and then placed upon a cradle opaque white, and the fins are of a pale of iron, which was in turn laid upon a green. It can be distinguished from the catafalque of the same metal. This was haddock, with which it often feeds, by wheeled into the next chamber, the its white lateral line. The line on the heavy iron portal swung open, the catahaddock's side is always black. In the falque was placed in the furnace and upper jaw there are four rows of sharp the doors reclosed. Two small, round teeth, in the lower, one row. The scales apertures glowed through the imare small and the eyes large. There are penetrable iron like two lurid eyes of ten fines, three of which are upon the flame. While combustion is taking place and the gases are escaping through back.

I have seen a codfish that weighed the perforations in the retort these nearly one hundred pounds, and have orifices become dull and dark, and it is heard of one caught near by that weighed | not until calcination has taken place that one hundred and fifteen pounds after its they again assume their pristine brillientrails had been taken out. But one ancy. It takes four hours to accomplish of eighty pounds is considered a large this at a heat of 2000 degrees, and, to. one even by fishermen, and an amateur make sure, the remains are left until will go wild over one of twenty. Those morning. When the door is again caught upon the Banks seldom reach opened the body lying in the sheet apeighty pounds, being of a smaller species.

The cod is a deep-sea fish, as indicated by a little appendage, two inches beneath are gathered up and placed in a long, hanging from its lower jaw. This covered tin can and sent to the relatives. is called a barbule. It finds its foods at They appear like extremely fine grayish the bottom, upon sand-banks and around sunken ledges usually at some distance Strangers are shown all that remains of from the shore, although, in cold Mr. Cohen, one of the editors of the weather, it may sometimes be taken by Stants Zeitung, who left his ashes to the fishing from the rocks.

cremation society. As the season advances the cod re-"The putting away of the mortal resorts to deeper water, for it is strictly a mains of a relative is necessarily a harcold-water fish. Its food consists of rowing spectacle," said the attendant, worms, sand-eels, crabs and other small "but after all, the sight of a body undershellfish, but is not over particular as to going the process of cineration is not what it swallows. A great variety of more heartrending than consigning it to articles has been taken from the the grave. It is merely less conventional stomachs of cod-straw, stones, rubber and more unfamiliar. This mode might balls, jacknives, snuff-boxes, nutmegs, be robbed of half its horrors, and the old iron, glass and broken crockery. ceremony invested with a halo of poetic The Indians caught fish with lines made sentiment were the surroundings of a of bark and hooks of bone.

Formerly all cod were caught by means drapery thrown over the bier would conof handlines, and some fish are still ceal the stiff outlines of the dead form taken in this way, especially in the and render it a less repulsive specautumn when they are abundant. The tacle."-New York Press.

most, however, are now taken by trawls, which were introduced here about 1860, and were first used by the French.

A big man walked down Fourteenth A trawl consists of a line about three thousand feet in length, to which are at- street at about 5 o'clock in the afternoon. tached short ones about thirty-six inches He was faultlessly dressed with a flower long, on each of which is a hook. The in his coat lapel and a gold-headed cane short lines are placed about six feet in his hand. His moustache was gray apart, so that each trawl has about five and his face a little flushed. He looked

AGRICULTURAL. The Ceremony of Incineration. As the public mind becomes more familiarized with the idea of incineration TOPICS OF INTEREST RELATIVE

TO FARM AND GARDEN. cremating from ten to twelve bodies

The crematory at Fresh Pond, Long Onions for Poultry. Island, is in its present state far from an People who give their poultry finely imposing-looking structure, but had the hopped onions once or twice a week original plans been perfected it would along with their other food, will find it an excellent preventive to various diseases, especially where fowls are not alowed to run at large and gather food for themselves. When kept in the close

confinement of small ruus, much more attention is necessary in supplying the with a variety than where they have a arger liberty, and for keeping them in good health onions are among the bes things that can be given them. - No. York World. wooden chairs ranged in front of the

A Demand for Big Horses.

Don't be afraid of breeding too lar. horses, says the New York Herald. Th people of the present day want them The best farmers will have them, and the heavy freighters in the cities canno lo without them. The si e of the horse of the future will fix its value. Th boom is up for big ones, so don't neglec to breed them, and afterward to feed them. A big pair of half-breed Norman that are well matched will bring \$500 a quickly as one silver dollar will brin. another. The best horse for the farme to rise is the draught horse. The 140 to 1700 pound draught horse requires no special experience or training to sell, and the farmer has no need of a professiona trainer. A ready market is constantly open for the draught horse. The de mand far exceeds the supply. The farmer can turn them into cash at their real value more quickly than any other pears to be intact, but contact with the class of horses. While cattle, sheep and air causes it to crumble into dust. The hogs have been so depressed the past year ashes which have fallen into the retort or two, the draught horse breeders have met an active demand at big prices; in fact, they are masters of the situation and about the only class of breeders that powder, and are perfectly odorless. can set up their own price, and get it

Value of Ashes.

"How much are unleached hard-wood ashes worth per bushel to use on land which is worth \$150 per acre, and when hay is selling at \$12 per ton?" asks : reader in central Vermont, of the Net-England Farmer, and the following re ply is made: "Ashes vary greatly in their actual value and in their selling price according to the kind of wood burned and their freedom from sand, earth and charcoal. The best hard wood ashes often contain nearly ten per cent. of potash while those from some of the softer woods may show less than three per cent., though it is claimed by some that soft-wood ashes are not so inferior as many believe, but being lighter

than those from hard-wood ashes they

Harrowing.

Old Cure for Pneumonia.

An article in the Medical Record deals

to promote the elimination of the pcison-

critical time, relieves me hanically the

pressure on the heart. Dr. Maragliano

bled twelve cases of pneumonia of aver-

ounces on the fourth or fifth day of the

provement in the circulation, the pulse

diminishing in frequency and becoming

are easily lost by being blown away while burning. The ashes from small twigs are much richer than those from the trunk of the trees. It is estimated that average ashes will contain from tou: to five pounds of potash in a bushel of forty-eight pounds, and that compared

POPULAR SCIENCE.

Mercury may be purified by the simple aspiration of air through it. Electric targets for small-arm practice

are giving much satisfaction in Italy. Vulcanized asphaltum pavement is being introduced in the City of Mexico. Silesia intends establishing a zoological station for the observation of fresh water fauna.

London air has an unusually large amount of carbonic acid in it during the winter. The isolated electric light instalations

in the Madrid theatres are almost total failures. A soap mine has been discovered near

La Mesa, south of Imuris, State of Sonora. Mexico. A six weeks' electrical exhibition is

proposed to be held in St. Louis next September. Capitalists in Zurich and Basle intend utilizing the falls of the Rhine for elec-

trical purposes.

Professor Eaton, of Yale, advocates the storage battery system for street railways as being much safer for the public. In the Berlin Observatory a series of astronomical panoramas have been prepared to explain the phenomena of solar eclipses.

It is believed that the electrical equipment of the Department of the Interior can hardly be equaled in the world for they lose it. - Globe-Democrat. safety and efficiency.

Professor Ayrton estimates that the oower wasted at Niagara Falls exceeds that which could be produced by the annual consumption of 150,000,000 tons of coal.

In the country districts of Sweden electric lighting is rapidly increasing. Farmers are putting in independent instalments worked by turbines at very small expense.

A scientist, who claims to have discovered the secret of petrifying wood on a large scale, says that by means of his process the largest wooden buildings may be petrified.

The microscope often reveals impurities in diamonds, particles of organic matter and bubbles of gas being common. Quartz, chlorite, pyrite, hematite and topaz have also been seen.

Recent developments tend to show that the chief cause of the burning out of dynamo armatures is the insecure fastening of the wire to the core, and the consequent chaffing of the insulation due to the movement of the wire. It is reported that Dr. Eisenmann, of Berlin, has invented a piano which, by the aid of electro-magnetism, can sustain, increase and diminish sound. Another novelty will be that by moving the electro-magnets the timbre of the tone is changed-for example, from that of a violincello to a piccolo. ayings.

A fine quality of iron ore has been discovered some forty miles west of Havana, Cuba, not far from the port of Manil, and found to test some sixty per cent. in iron. The first cargo of this mineral is now loaded, destined for Birmingham, Ala., was in the presence of Inspector of

WOMAN'S WORLD.

PLEASANT LITERATURE FOR FEMININE READERS. Ladies' Hair.

Long and thick hair is so scarce among ladies that when one comes to have her head washed who has a full suit she is always the subject of remark and envy. Not more than one in ten ladies have full suits. Some who had long and thick hair as children have lost most of

it through carelessness. The hair will fall out if not kept clean, and many find that, after reaching a certain length, it breaks off. However, if a lady has just enough hair to hold a switch the hairdresser will do the rest. Style, moreover, has favored the short haired, for less and less hair has been worn lately. From the immense waterfalls to the present scanty head-dress is a wonderful change. Switches are universally worn, but in constantly decreasing size. Still a woman with long hair is to be envied, for her hair will always look natural. A switch needs refreshing because, without the natural oil of the head to keep it bright, it will look different from the wearer's own hair. Some sleep in their switches so that they may take the oil from the head, but this is bad for the

A Faithful Feathered Pet. The keenness of vision and the perscalp, making it too hot and causing the ceptive faculties of the carrier pigeon hair to fall out. So many ladies wash have been noted in song and prose, but their hair so seldom that I do not wonder it is doubtful whether the most fanciful writer ever suggested the probability

other day.

pened, however, and a bird owned in

the distinction that belongs to the

friends, who are pigeon fanciers, sent a

large number of carrier pigeons to Rich

The pigeon is named Favorite, and it

has a very good record as a fast and sure

racer. Haupt was much astonished,

Vivid Writing.

A Nurse by Instinct.

Grandmother Chapman, of Vassar absence of nine months, This has hap Mich., the daughter of a Penn Yan, (N Pittsburg by Mr. Hermann Haupt, of Sarah street, south side, is entitled to Y.) physician, is a nurse by instinct and ambition. Her remedies are so mild that if she does not cure, she is certain not to injure her patients. Four years ago, feat. The Disgatch, of Pittsburg, says owing to the lack of sewers, there was that one day in June of last year Mr. an epidemic of diphtheria in the village of Vassar, which has 2000 inhabitants. Haupt and several of his south side The physicians were successful in many of the cases, but notwithstanding their mond, Ind., on a trial trip. They were all excellent flyers, and had been away knowledge and skill, quite a number of beloved children died. One child was pronounced fatally sick by two doctors, cn a good many excursions of almost that distance. Among others Haupt sent the one which only returned the and the parents were so told. The parents sent for Mrs. Chapman at once. She responded with alacrity, for it tickled her vanity to be called in after two popular physicians had given the child up. She soaked the infant's feet in hot water with a large quantity of mustard stirred

therefore, that Favorite did not return the next day, but he was even more astonished when he saw the bird alight in it, and applied a mustard plaster to its chest. The child was wrapped in a and walk into its own coop the other wet sheet taken out of warm water, with day. Haupt thinks that somebody plenty of clothing to keep out the air caught the pigeon and locked it up, with completely. In half an hour the child breathed easily, and the next day it ate a view of keeping it, and he values Favorite now more than ever. its meals and played. Mrs. Chapman's remedy for burns is one that is availa-Longest Aqueduct in the World. ble in almost overy house. She applies The longest aqueduct in the world is

common baking soda wetted with cold water. This takes out all the fire immediately, and slight burns can be cured in fifteen minutes with it. -- St. Louis Star

Wife and Steamboat Captain. Captain Mary M. Miller stood up and

The reservoir is an ancient lake basin cut out by glacial action, and the site a was sworn in approved style the other picturesque Welsh village. Nature's day in Louisville, Ky. Captain Mary original rampart has been restored by a mass of solid masonry 1172 feet long and



AN HONEST DRUGGIST,

when asked for the best blood-purifier, always recommends Dr. Pierce's Golden when asked for the best blood-purifier, always recommends Dr. Pierce's Golden Medical Discovery, because he knows it has by far the largest sale and gives the best satisfaction to his customers. Golden Medical Discovery cures all humors, from a common Blotch, or Eruption to the worst Scrofula. Salt-rheum, Scaly or Rough Skin, in short, all diseases caused by bad blood are conquered by this powerful, purifying, and invigorating medicine. Great Eating Ulcers rapidly heal under its benign influence. Especially has it manifested its potency in curing Tetter, Eczema, Erysipelas, Bolis, Carbuncles, Sore Eyes, Scrofulous Sores and Swellings, Hip-joint Disease, "White Swellings," "Fever Sores," Goitre, or Thick Neck, and Enlarged Glands.

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more asthetic nature. Even a thiu

too.

Happiness in Doing Good.

every month.

hundred hooks. Attached to each end of to be about fifty years old, and has been the line by a rope is a buoy, sometimes | taken for a prosperous New Yorker. He only an empty powder keg or a mackerel was extremely dignified. Nobody kit. In the head of the buoy is a pole would have suspected from his walk three feet long upon which is a small that he was drunk. His inebriety was fing to attract the attention of the owner of the sort which does not extend below the neck. His legs were perfectly sober. when in search of it. To each end of but he removed his hat and made a the line also is fastened a small anchor. stately bow to an old darky who was The hooks are baited with squid, passing in a coal cart. A red handkerherring, or other small tish, if they can be secured. Each fish will bait four chief about the colored man's neck had apparently led him to believe that an hooks. If these cannot be obtained elegantly attired lady was going by in a clams are used. Squid bait is considered the best, and great quantities are landau.

Just above G street a poor, measly caught in weirs on Cape Cod, and many vessels resort thither in summer to secure | cur dog lay on the pavement in the sun. a supply for their trips. To bait a trawl The big man stopped and looked at him. The dog feebly wagged his tail, but was requires from an hour and a half to two either too poor or too lazy to get up. A

sympathetic and benevolent look came When it is ready it is placed in a tub made of a half-barrel. The long line is into the big man's face. Out from his trousers' pocket he pulled a roll of bills. coiled up in the centre, and the bait lies It was three inches thick. There were next the sides of the tub. One man tens and twenties, and there must have uses from two to six trawls; which are often set in the afternoon and visited been hundreds of dollars in the roll. Carefully picking out a dollar bill he laid very early the following morning, and it on the pavement just by the dog's perhaps once or twice more in the course of the day. nose. "Here, poor doggie," said he, "go buy yourself a bone," and as he passed on

The process is somewhat as follows: When one buoy is reached, the end of down the street his face was radiant the trawl to which it is attached is drawn with the consciousness of a good deed up and then hook after hook is examined. done. - Washington Post. and the fish, which have been caught, are taken off. By means of trawls a man may catch more fish in a single night, than by a week's hard work with hand lines.

Of course they are not all cod. This mainly with the results of the recent exis a hake, that a haddock, the next a periments in pneumonia of the Italian dogfish, and the next a halibut. The unphysician Maragliano, who proposes to expected is quite likely to come to the revive the old plan of blood letting when surface upon one of the many hooks. It the heart is on the point of breaking may be some hideous fish, or some un- down. couth object which has long been lying It is certain, as the Medical Record

in its oozy bed. says, "the management of the affection I have described trawl-fishing as con- of the present day is far from satisfacducted by one or two men in a dory at tory." Pneumonia appears to be an infrom one to five miles from the shore. fectious disease, depending upon the

Schooners of from ten to twenty tons presence of micro-organisms. The first make trips off shore to a distance of practicable measure for combating it is from twenty to a hundred miles. They take a supply of ice as well as of bait, ous matters from the blood, which ocand run into Boston or some other port casion the most fatal symptom of sudonce or twice a week and sell their fish den heart failure on the patient. Blood to dealers, who supply the trade all letting sufficiently practised at the over New England.

Larger schooners visit Georges Banks, the Western or those of Newfoundland, and may be gone three or four weeks, | age gravity, abstracting from five to ten bringing their tish to market on ice, or they may be gone from four to six disease, the venesection being repeated months dressing and salting their fish once. He found that there was an imon board.

The process of curing fish has not changed for two hundred years. In fuller, and the twelve cases all recovdressing them several men are engaged. | ered. This is strong evidence of the The cutter cuts the throat and rips value of bleeding.

The Italian physician's plea for the reopen the fish; the header breaks off the head takes out the entrails, saving the vival of blood letting is that its judiciof the vessel. The amount of salt used in Gloucester in a single year amounts to more than a hundred thousand hogs.

When a schooner arrives at port with

by Pensacola, Fla. It is said that there with potash salts as now sold in the is some 100,000 tons lying upon the sur- newing her license as a commander of market they should be worth about face at the mine, which can be brought steam craft on the Ohio and Mississippi twenty-five or thirty cents per bushel, to the coast at small expense.

the phosphoric acid they contain add It is claimed that lighting trains by ing to their value. It is also believed electricity has been a rather costly cx- best skill and judgment, and without that ashes have a beneficial effect upon periment, and the results have not been some soils, independent of their contents altogether as satisfactory as was ex- the duties required of her as master by of potash and phosphoric acid. The pected. At the commencement of the the laws of the United States. Captain run the light furnished is all that could be Mary is the only woman who has ever chemist can determine the amount of valuable manurial substance in a given desired, but after the current has been in been licensed as the commander of a sample, but he cannot say what effect operation several hours the light gradu- steamboat in this district. In fact, but the sample will have when applied to a ally becomes dim and insufficient for gen- two women captains have ever been certain soil. That is a question which eral purposes. Whether the motion of the farmer must himself answer, by ex the train has any effect on the battery has Mary and the other a Southern lady who periment and intelligent observation." not been determined.

The Speed of Thought.

Both in the preparation of the soil for Some of the readers have no doubt the crops before planting and in giving the earlier cultivation afterward, the frequently made use of the expression "quick as thought," but have any of harrow can be used with profit to a more or less extent. For fining the surthem ever stopped to consider how quick face of the soil it is one of the very best thought is? A writer in the Nineteenth Century has made some interesting calimplements we have, and, with the large number of different kinds sold under culations regarding the comparative length of time it takes to call to mind tain Mary is the old river man's second this name, we can secure an implement adapted to almost any kind of work and various every-day facts.

in almost any kind of soil. The im-It takes about two-fifths of a second to call to mind the country in which a having accompanied her husband on provements made upon the old A harrow, are giving us the square, Scotch, vibratwell-known town is situated, or the language in which a familiar author tain's health failed she took the helm of ing, flexible, and smoothing harrows, to which may be added quite a list of wrote. We can think of the name of next month in half the time we need to then, and ran her successfully. Capspring, disc and cutting or slicing harthink of the name of last month. It tain Mary is, of course, popular with her rows. In this line of implements there takes on the average one-third of a would certainly seem to be a full supply. so that no matter what kind of soil the second to add numbers consisting of one farm is composed of, a harrow can be digit, and half a second to multiply them. used with profit on nearly or quite every Such experiments give us considerable farm. But with the spring, disc and insight into the mind.

cutting harrows, they will do much bet-Those used to reckoning can add two to three in less time than others; those ter work with some soils than with others. One will be best in one kind of familiar with literature can remember soil, and the other in a different soil. more quickly than others that Shakes-Some are better for some kinds of work. peare wrote "Hamlet. It takes longer and some for others. to mention a month when a season has

been mentioned than to say to what It is best to have the soil prepared in a thoroughly fine condition before planting month a season belongs. the seed, and to keep the soil in a good The time taken up in choosing a mo-

tilth until the plants have made a suffition, the "will time," can be measured cient growth to be able to commence as well as the time taken up in perceivusing the cultivators. Weeds are much ing. If I do not know which of two more easily destroyed when young than colored lights is to be presented and after they get a good start to grow, and must lift my right hand if it be red and if the soil is prepared in good tilth be- my left if it be blue, I need about onefore planting the seed, in a majority of thirteenth of a second to initiate the corcases the harrow will be found the rect motion. I have also been able to cheapest and best implement to use in register the sound waves made in the air destroying the weeds. by speaking, and thus have determined

The disc, spring or cutting harrows that in order to call up the name beare good implements to prepare the soil longing to a printed word I need about in a good tilth for seeding oats, grass or one-ninth of a second, to a letter oneother small grain; or when oats are sown sixth of a second, to a picture one-quarter on corn-stubble or land that has been of a second and to a color one-third of a planted in the fall. They are good 1msecond.

plements to cover the seed, sowing the seed broadcast and then covering them | a word, but we are so used to reading with the disc or cutting harrow. The same applies to sowing wheat in the fall.

Steamboats Irwin Dugan, and was rerivers. She merely took an oath to faithfully and honestly, according to her

concealment or reservation, perform all licensed, one of them being Captain

runs a boat on the lower Mississippi. Both of them are careful and capable commanders, but Captain Mary is interesting for other reasons than her professional ability, as she is young and good looking, and as shrewd at driving a bar-

gain and as stern in the discharge of her duty as she is fascinating. When not on the river her home is in Portland, where resides her aged and invalid husband, Captain "Natural" Miller. Capwife, and, she has a stepson as old as herself. She learned the river from

many of his trips, and when the Capthe old City of New Orleans, his vessel crew, both on deck and in the office. She has saved many a poor deck-hand's head from a stroke with a club in the

hands of a hot tempered mate. Captain Mary has been a licensed commander for three years. The Captain is without a vessel at present, but she expet is a berth in a short time.—New York Press. hands of a hot tempered mate. Captain

Cuban Country Folk.

The country people of Cuba live in thatched houses of three or four rooms with dirt floors. The leaves of the royal paim are used for thatching, and the bark for the sides of the house. One room is used for the kitchen. They have no stoves or fire places. In the center of TJACOBS OI the kitchen is a table about three feet high covered with dirt. On this they TRADE make the fire and do the cooking-each utensil having a small fire under it. The

smoke escapes through the doors and windows. The babies live mostly on the dirt floors, consequently they are not very clean or prepossessing. The dogs and pigs seem to be perfectly at home with the children. On the rafters inside the room tobacco is hung to dry. The family all sleep in one room.

A letter can be seen more quickly than They are very hospitable; they meet you on the threshold with the salutation : aloud that the process has become quite 'Mi casa estu a su disposesion !"-the automatic, and a word can be read with house is in your possession. The woman

120 feet thick at the base. The water passes into the aqueduct through a tower, where it is strained of all organic impurities.

No Chemicals.

IN THESE DAYS when food adulteration is so common, it is a comfort to find an article for the table that is thoroughly reliable. Walter Baker & Co.'s breakfast cocoa is eminent in this limited class. No chemicals are used in its manufacture and it is absolutely pure. It forms moreover a delicious and healthful drink, as refreshing and more nutritious than tea or coffee, and free from the injurious effects that those beverages sometimes produce. And it is very cheap withal. The house of Walter

Baker & Co. has maintained for more than 100 years a great and honored repute by the excellence and puri y of its manufactures.

THERE will be about ninety vacancies this year at the United States Naval Academy.

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NEURALGIA,

MARK

BRUISES.

past five months have been as well as I ever was-all from the effects of Swift's Specific. JOHN RAT. Ft. Wayne, Ind. Jan. 8, 1889.

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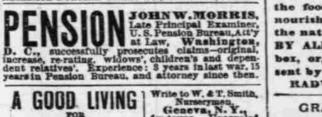
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