The following particulars conserning the use of oil at see are given in the Eprtl Atlantic Pilot Chart for Nove

The use of mineral oil is not recommend ed, while the importance of carrying a supply of animal or vegetable oil to be used in emergencies cannot be overrated.

Capt. E. I. Arey, of the schooner Jenny A. Cheney, writes "I used oil with very satisfactory results during the late severe hurricane of Aug. 25 in latitude 31 ° north, longitude 79 west. The wind having carried away the mainsail, I bent a storm trysail and continued under fthat sail until it also blew away. During this time the vessel was shipping large quantities of water, the sea being very irregular, nearly every one breaking. After the sails were blown away, finding it necessary to do something to save the ship and crew, took a small canvas bag and turned about five gallons of linseed oil into it and hung it over the starboard quarter. The wash of the sea caused a little of the oil to leak out and smooth the surface so that for ten hours no water broke aboard. I consider that the oil used during the last and heaviest part of the hurricane saved vessel and

Capt J. H. Parke reports that in 1876, " while in command of the Carrie E. Long, from Sicily to Portland, Me., laden with salt, the ship would have foundered had not used kerosene oil. The ship, lying to under fore and main lower topsails, did very well until the main lower topsail blew away. This caused the vessel to fall off in the trough of the sea, which boarded her and did great damage. The ship was put before the wind, but leaked so badly and the seas still breaking on board so that the men could not work the pumps, it was evident that something must be done to keep her from foundering. Having picked up two barrels of crude oil on the voyage east I poured this down the closet pipes. This calmed the sea so much that we could go to the pumps and had no trouble afterward. The waves were clearly seen to break all around the oil-covered spot. fully believe had I not used the oil the vessel would never have stood it, and at least I should have had most of the crew washed overboard. It is my opinion that crude oil is better than kerosene, but the latter will do in an emergency."

Capt. Dawson, master of the British ship Halloween, states that when he was in command of the British bark Zenobia, on a passage from India to London, in February, 1872, off the Western Islands, he encountered a terrific gale with immense sea; wind between E. by S. and S. SE. The Zenobia was deeply laden and labored very heavily, and it was feared that she would go down, so seventy tons of her cargo (seed) were jettisoned. As she still continued to labor heavily, and there seemed but little chance of saving her, two canvas bags, filled with oil and pricked in a number of places, were hung from the weather cathead. As the vessel drifted to leeward the oil spread and enveloped her in a smooth belt. After this she rode easily, the surface of the water being perfectly smooth. The oil used was a mixture of parafine and calza.

Capt. Robinson, of the English steamer Sussex, furnishes the following report on the use of oil at sea: "In the month of January, 1885, during the prevalence of the heavy gales in the North Atlantic, I used oil bags several times, and found that with a heavy sea on the quarter of the ship they were comparatively useless, as the sea would throw the bags on deck as fast as they were put over. I am of the opinion, however, that in running before the sea, or hove to, head to sea, they are invaluable.' In his experiments with the bags he used a heavy, greasy oil, similar to lard oil, and found that as long as the sea was astern, and he could leave the oil behind, the seas would not break over the stern. He has not tried it hove-to, but invariably found that it would not work satisfactorily in a quartering sea. Capt. Robinson thinks that oil would be of great benefit for small vessels in crossing a bar in a heavy sea. Being put over the bow it would greatly smooth the waves.

Capt. Childs of the schooner Ed R. Emerson reports that on Oct. 4, latitude 40 ° 16 N. longitude 68 ° 24 W., he passed close to a wreck, bottom up, newly coppered. Although it was blowing hard, the sea for a mile to windward of the derelict was quite smooth, the surface of the water being covered with oil, which had evidently formed part of the cargo.

Capt. Brooks, of the English steamer crossing the Atlantic we experienced its chemical characteristics the rare elestrong westerly gales, accompanied with very high seas. I had it in my mind to put the ship head on, but having heard that oil thrown on the sea would calm it. I determined to use it. Having plenty of kerosene oil on board, I poured some on the deck. The water coming on board washed it overboard, and immediately the seas became much less, and we ran on without danger until the storm abated. I recommend that all shipowners and masters should have on board their vessels a sufficient quantity of oil, independent of their usual stores, for the express purpose of saving lives and property on such extreme occa-

sions." Capt. Johnson, master American barkentine Jose R. More, reports when bound to the North coast of Cuba, in latitude 28 ° 10 N., longitude 73 ° 30 W., he encountered the October hurricane of 1884. The wind increased rapidly to hurricane force, blowing from N.N. E. to N. and back to N. N. E., falling berometer and heavy sea; the vessel was put before the wind and scudded under lower foretopeall. The waves increasing in violence and size, threatened (after one had been taken on board) to poop the vessel, making their position a most dangerous one, as the decks were filled with water, and it was considered expedient to bring by the wind. Two gunny bags nearly filled with oakum were placed, one on each quarter; on the cakum was poured paint oil, which dripped in the sea. The effect was immediately apparent, the waves no longer breaking in the vicinity of the vessel or giving cause for apprehension.

The master of the British steamer Elstow reports the following gale in which he used oil with good effect: The Eistow left had served in the Crimean and Indian mu-Cape Henry on Jan 23 for Sligo. On Jan. tiny campaigns, and also in China and Af-27, on the eastern edge of Newfoundland ghanistan.

Robertson had ready for use oil bags of canvas, punctured in the bottom and sides with large needle holes. Six of these filled with boiled lineeed oil were hung over-two

in the bow, two in the waist, and two over the stern-and allowed to drip is the This had a wonderful eff of on the high seas, taking the dangerous ourl of them, and preventing so much water from coming on board. Before the oil bags were placed over, the vessel was taking water in over the stern, and also in the waiet. Several other vessels that left Cape Henry or the Atlantic coast, and pursuing the same route at this time, were never afterward heard from, One of these vessels, the Ben Tower, a steamer, foundered or the 29th, about 200 miles to south and east of the Elstow. The officers of the Elstow attribute the saving of the ship to the use of the oil.

SCIENTIFIC AND USEFUL

Dr. Brock, of St. Louis, says that asphaltum varnish is the best disinfectant he knows of : it will destroy all germs at once, and no household insects will approach an article of furniture whose interior has been painted with it.

Genuine cod liver oil gives with aqua regia a dark greenish-yellow liniment which becomes brown in half an hour. White seal oil and even a mixture of equal parts of that oil and cod liver oil give merely a pale yellow liniment.

From the solar eclipse of September 8, the central line of which passed over a part of New Zealand, near Cook's Strait, it is expected that the cause of the cerona will be disclosed through the labors of Australian astronomers.

For turning and drilling wrought-iron and steel one ounce of a mixture of soft soap with half its weight of pearl-ash in about one gallon of boiling water is in everyday use in most engineering shops. The work, though constantly moist, does not rust.

To cure the gout, the leg or arm afflicted is encased in plaster of Paris, and cocoaine chloride in from one-twelfth to one-fourth of a grain doses, dissolved in water and administered hypodermically, it is said, will cure morphinism, alcoholism, etc., within ten days.

Mr. Delaunay, of Paris, a specialist in earthquakes, predicts many during the next year when the sun and moon are simultaneously nearest the earth. He foretold the earthquakes in South America in 1877. those in the Indian Archipelago in 1883, and the more recent ones of Spain.

It is reported from North and Central Sweden that this year migratory birds have left in large numbers at an unusually early date. Between August 16 and 18 thousands of wild foul were seen passing over Stockholm, their progress lasting for several hours at a time. A severe Winter is anticip ated in the North of Europe. The Autumn has been very cold in Norway.

been made in Germany to ascertain the relative strength of iron and steel girders. The soft-steel girders proved to be 22 per cent. and hard-steel girders 66 per cent. stronger than the iron girders; and it is remarked that it seemed pretty well established that the strength of steel girders is about the same for the two flanges if made alike in

Regarding human locomotion. a first communication has been submitted to the Academy of Science, Paris, by MM. Marey and G. Demeny. They began with the action of springing or jumping, because, if not the most usual, it is regarded by them as by far the simplest action, and much less intricate than the motions of walking and running, in which the body executes complicated movements in the direction of the three dimensions of space.

The new metal gallium melts at 81.1 degrees Fahrenheit, so that it liquefies when held in the hand. It is hard and resistant. It can be cut, and it possesses a slight malleability. When fused it adheres readily to glass, on which it forms a beautiful mirror, whiter than that produced by mercury. It oxidizes but very superficially. when heated to redness in the air, and does Nymphaea, writes: "About four years | not become volatile. Unlike lead it acquires ago I was in command of the steamer Nu- only a very slight tarnish on exposure to phan, of 1,280 tons, loaded with a cargo of | moist air, and is a highly crystalline metal. kerosene oil and bound for India. While Its specific gravity is a little under 5. In ment gallium shows the greatest analogy to the abundant element aluminum.

> The tall cliff called the Monk, which lately rose out of the sea just south of the Farce Islands, and was a prominent landmark to sailors, has fallen away, leaving only a dangerous reef upon its site.

The native who carried from the field the body of the Prince Imperial, when he lost his life fighting in South Africa, was presented with a diamond ring and pensioned by the Empress Eugenie.

The gambling tables at Monte Carlo are about to be made the subject of diplomatic action on the part of an international Commission. The report of the Commission states that between the years 1877 and 1885 1,820 people—more than the whole population of the "kingdom" of Monaco-have committed suicide consequent upon losses at the gambling tables of Monte Carlo.

It appears that Victor Hugo's father was, during the French regime of Jeseph Bonsparte in Italy, the General who was the military governor of the province of Aveline, and, as such, ordered the hanging of "Fra Diavelo," as the brigand Colonel, Michael Pozzo, was called. This took place in 1806, when Victor Hugo was a little boy, living with his father in Italy.

Private John Burke, who has just been discharged from the Suffolk Regiment, is supposed to have been the oldest soldier in the British army, having enlisted in 1847. He had six good conduct stripes, and was refused the seventh on the ground that six was the maximum number allowed. He

more infallible than the habit of living uncarpeted bedroom. It is penalble new " from hand to mouth," in buying at retail, in small quantities and at a high price, articles that are in common use, and that may be bought more cheaply in larger quantities. | been weaned from, abject aderation of Brus-Of course, there are people so poor that they cannot at any rate not without marrifice in But even on this side of the Atlantic, where other directions—buy anything which they progressive ideas are more apt to flourish, do not immediately need; and there is folly | the recognition of the advantages of movable in making too great as well as too little pro- carpets has come very slowly, and it is only vision for the future. But we are now after some 20 years of discussion that comspeaking of wise and possible economy, not | men sense has gained the upper hand, that of unwise and impossible.

numberless. We select a few. When you of carpeting. go shepping, madam, how many spools of white cotton thread do you buy ? One ? Then you waste your money. You sacrifice a fraction of a cent on each spool; and at any good store you may purchase twelve spools for the retail price of eleven.

A little thing, you say ? True, but you callothers, you will find that the aggregate mooney in the course of a year is ten, thirty or fifty dollars.

And you, sir, -do you not buy a single newspaper every morning or evening, and pay for it at a rate much above that for subacription by the week, month, or year ?

There is a very large saving possible to those who buy groceries systematically at wholesale. Probably few families that can at any time spare the money for a whole barrel of flour buy that necessary article by the bag of twenty-five pounds. For a the very best groceries, where the poor are best accommodated, the loss from buying in small quantities is never less than five per cent., and is sometimes three or four times

But how many families reflect that the sugar bill is a larger item in household expense than the flour bill, and buy sngar also by the barrel? Coffee and tea are in constant use, and there is a considerable saving in buying five or ten pounds of either, as compared with buying one pound.

In the same way there is economy in buy ing brooms by the dezen; toilet and laundry soap by the box ; pens by the gross, paper by the ream and envelopes by the half thousand; potatoes by the barrel; and so on through a long list of articles in everyday use. Of course, one cannot buy hats, boots and clothing at wholesale, except in rare cases, with economy.

Carpet Conservatism.

Floors from all ages must have been a prolific source of discomfort and expense, but it was reserved for the latest civil zations to conceive the idea of covering them up in such a way that it should require the energies of a strong man to uncover them again. There will be an astonishing number of the true spriit of hospitality. main force, and nailed so securely that even | and for a time the inhabitants (f the galan earthquake would have left them undis lery will have some difficulty in knowing turbed, became so popular that it required the names of those who are speaking. But ple weep at his extravagance; with a mortar revolution to make them unfashion- among the new and the young men will be keeper will be willing that his in able. Probably even the unen ightened a sprinkling of very old heads. In addition respect his prudence rather the Frenchmen of the twelfth century would to Mr. Gladatone, there will be Mr. John ertly at his estentation. have looked upon the first importers of East- Bright, who is now 73 years of age; Mr. Experiments on an extensive scale have ern carpets into Europe with horror if they Talbot, "the father of the House," who ascribe to them as great a potential could have foreseen that civilized progres. has represented Glamorganshire for 55 possesses. No doubt they go has sion would ever have reached such a stage years, and is verging on 85 years of age, the want of beauty and constitute

There is hardly any mark of improvidence left off fainting with histor at the little of an for the most prejudiced of her kind to admit that there are advantages painted and washed floors, and little by little she has sels, Kidderminster, and tapestry carpets. new houses are built especially with the Illustrations of what may be done are view to the use of rugs, squares, and strips

Choice Recipes.

BREAD AND JAM PUDDING. -Line the bottom and sides of a basin with slices of bread; mix a pot of jam with a little hot water, put a layer of jam in the basin, then a layer of bread, then more jam; continue cially cultivate is manner. A little thing, you say? True, but you a layer of bread, show a plate this until the basin is full; then put a plate this until the basin is full; then put a plate on stationery are value. on the top. Turn out the next day and on stationery are vulgar, serve with custard round it.

BEEF CAKES -Chop up some beef that is partially smoked, pork fat, and season with salt, pepper, and onions, mix well and form into small cakes. Fry them light brown and serve with a good gravy made of soup stock thickened with brown flour.

BAKED HASH. — Use a cupful of any kind with reserve, an acquaintance of of cold meat chopped rather coarse, a cupful of cold cooked rice, a generous cupful of milk, an egg, two tablespoonfuls of butter, one teaspoonful of salt, and one-eighth been forgotten. of a teaspoonful of pepper. Put, the milk on the fire in a frying-pan, and when it has become hot add all the other ingredients except the egg. Btir for one minute, then remove from the fire and add the egg, well beaten. Turn into an escallop dish and bake in a moderate oven for twenty minutes. Serve in the same dish.

SPICED TRIPE. - Spiced tripe can be pre- create in the mind of your hosten at pared at home and be ready for use in a few | desire that you would go. days. Take fresh tripe, and cut it in pieces four or five inches square; put a layer of tripe in an earthen jar, then sprinkle a few cloves, allspice, and some black pepper over it, then another layer of tripe and spice, and so on until the jar is full. Cover it closely and set in a cool cellar, or, possible, in a refrigerator. This is a relish for tea. When served cold, with potato code of courtesy: Put everybody salad, also cold biscuit, butter, and chooo- level as yourself and put yourself in late, it makes a refreshing meal.

The Edinburgh Medical Missionary Society reports the opening of its hospital in Haugchow. Many Chinese officials were present, and a number of the mandarina subscribed liberally toward the building. A large ward for opium patients was filled and yet know nothing of its going on the first day.

Carpets fitted to the floor, stretched by new men in the new English Parliament, of devotion to them as to equip whole houses and Mr. Cabel Wright, who enters on a of that fascination which we die with thick, immovable floor coverings. But Parliamentary career as member for Leigh erted by persons who cannot can the French, after all, have never adopted with 75 years behind him.

Never send a visiting and he

A wound to a man's vale manent scar, Cross your t's in welling but your letters.

In the best appointed house economy prevails. Walk as if you were conscion body has a soul in it, Speech of one's self ought b

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and well chosen. Perfect machinery works mind does a perfect hostes.

It is good to travel, "Head youth have ever homely with "Shun the wretch who goes about riddles and making puns," Never forget that your rhouse

matter of national concern. At home, as abroad, what we the

A gentleman will never admit the maladies in conversation Half the failures in life are spurring one's herse to last

strength. A married lady should treat an A rudely arrogant speech often n

the mind long after an unjust w .. A high-bred lady," says Thick

the most complete of all Heaven's in this world." When you meet a lady in the must not walk with her, unless the

or indirectly) invites you. In making calls never stay so low

There is nothing so centemptible which animates the poor creater struggle to keep up appearance. Truth is the best policy. Every

feels flattered by the reflection think him too clever to be cajoled. In these words is comprehended

body's place. Good humored gossip is the mit i ary conversation, but no well bed will indulge in the gossip that pont privacy of domestic life and either or misrepresents.

You may learr the grammardal may be precise in your knowledge rules of etiquette, and utterly is

Louis XII. said that he had nite courtiers laugh at his avaries the

"Wonderful power of mannen!

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