THE ALBERT STAR.

THE ALBERT STAR. SUGARS! **435 BARRELS REFINED** Ex. Standard Granulated, White Ex. C. Yellow Ex. C, Powdered Paris Lumps. At Lowest Wholesale Prices. F. P. REID MONCTON, N. B.



HILLSBOROUGH, N. B., WEDNESDAY, JULY 11, 1894.

CORAL, AND HOW IT IS of this pretended flower, in short, was of the Middle Ages. Before the six FORMED. the animal, which advanced and issued teenth century they were controlled by

out of its cell. Interesting Facts About the Varie-"Old beliefs die hard and Peyssonel's ties That Make Ornaments and discovery was treated with only scant

had a monopoly until the trade was Form Islands. courtesy. Reaumur especially did all thrown open by the Revolutionary he could to oppose the acceptance of Government in 1793. The British con-Less frequently now than formerly, trolled it for a short period about 1806 but still occasionally, we see as a Peyssonel's conclusions. He even connow they are again in the hands of the descended to irony and wrote to the French, although worked mainly by breastpin a graceful sprig of coral mounted in gold. More frequently we discoverer thus: "I think as you do. Italians, who pay heavy dues. see it used as a necklace, for children, that no one has hitherto been disposed especially Italian children in strings to regard the coral as the work of an of coral had its center at Marseilles be tore the French Revolution; now it is threaded coral beads. Its brilliant animal. We cannot deny that this almost exclusively in the hands of color and high polish catch the eye idea is both new and singular; but the Italians centered at Naples, Rome and very quickly and with a glance away coral, as it appears to me, never could Genoa go the thoughts at a speed far outstrip- have been constructed by sea nettles or ping famed electricity to Mediterranpolyps, if we may judge from the manthe water about 30 to 130 fathoms ean stores, where the coral came and ner in which you make them labor." deep, the most suitable being about 80 to those balmy islands of the southern Peyssonal persisted and demonstrated fathoms. The boats are chiefly of

seas which have been raised from to hundreds at Marseilles the truth of ocean's depths by the labor of the red his discovery. Still, acceptance came coral's relatives. not. Even that able patriarch of botan-The word "coral" is Greek in its ori- ical study, Bernard de Jussien, hesitat-

gin and signifies "a daughter of the ed. Disgusted and harrassed, Peyssea." The very name by its poetry sonel gave up his investigations, acindicates the high value which the cepted a post as naval surgeon in the Greeks must have attached to it. Or-Antilles in the West Indies and thus pheus speaks of it in his "Hymns." disappeared. His manuscripts are The Romans also held it in high esteem. preserved in the library of the Museum Ovid alludes to it in his "Metamorpho- of Natural History at Paris, still unses," showing the ancient belief that it published. was soft in the sea and hardened when

At length Reaumur and Jessien, led brought into the air. by Trembley's observations on fresh

The ancients believed it to have val- water hydra, conducted similar ones uable medicinal properties, and mys- on the sea anemone and a kindred zooterious virtues. Priests and soothsay- phyte. They thus found that the soers declared that it was acceptable to called marine plants were really anithe gods, and even now among some mals and Peyssonel was vindicated, Eastern nations it is usual to place a but he was far away in an obscure post

few branches of coral in the graves of in the West Indies. Since that time Visitors to the big Midwinter Fair their dead to protect them from the there has been no hesitation in acceptin San Francisco have been able recently to enjoy among the Midway at- baleful influence of the evil genii. In ing that fact that the red coral is an tractions, a very effective illusion, ac- Italy at the present day a coral neck- animal production. complished by the use of a giant mir- lace is regarded as a preservative from "Corallium Rubrum," of the family the padrone throws his engine overthe "Evil Eye." ror set at an angle upon the theatre Coral "is and has been from remote | ture which produces the red coral, is a stage. The illusion is called "The

Molasses and Sugar. the Italian republics. Charles V, o Spain, secured the Tunisian fisheries,

No. 9.

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and Throat.

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J. L. BRAY, Proprietor. wheel. Boarding House, these traveling whirlwinds in their re-166 Main Street. gular journey across the country. If Moneton. N. B. Permanent and transient borders accomo-

times very highly prized for jewelry, colony, not an individual. While each When the curtain rises a comely personal ornamentation, and decorative individual polyp of the colony is free young woman appears to float into purposes generally. About the begin- to act in certain directions, "sua

WEDNESDAY, JULY 11.

Beautiful Things.

Like crystal panes where heart fires glow

Beautiful faces are those that wear-

Whole-souled honesty printed there.

Beautiful eyes are those that show,

Beautiful thoughts that burn below.

Beautiful lips are those whose words

Yet whose utterance prudence girds.

Work that is honest, brave and true,

Moment by moment the iong day through.

Beautiful hands are those that do

Beautiful feet are those that go

On kindly ministries to and fro-

Ceaseless burdens of homely care

With patient grace and daily prayer.

Beautiful lives are those that bless-

Where that old sod shanty is.

He got froze to death: that's his

All the sunflowers are. He came

Maybe twenty years ago.

Well, one time the boy an' him

Got caught out, an' I suppose

He wrapped all his clo'es on Jim,

To this country-I don't know-

From Vermont-and took that claim.

An' laid down with him, an' froze.

That's the way we found 'um-Bill

Dead an' Jim all right-an' so,

Boys felt kind of sorry, though.

-+++

A Stage Illusion.

Never missed 'm much, but still

Whose hidden fountains but few may guess

Old Bill Williams.

Old Bill Williams he lived there,

Grave out by the ploughing, where

Silent rivers of happiness,

Down lowliest ways, if God wills it so.

Beautiful shoulders are those that bear

Leap from the heart like songs of birds,

It matters little if dark or fair-

view suddenly from the back of the ning of the Christian era a great trade spoute," it yet contributes to and dewas carried on in coral between the rives nourishment from the combined stage, and remains poised in midair. floating from side to side as if resting Mediterranean and India, where it was colony called the polyidom. It is a before the surface of a lake. After a highly esteemed as a substance endow- veritable social commonwealth. In it the rope, he judges of the state of the ed with mysterious sacred properties. the central hard substance, which we few minutes her arms and legs go through a number of complicated but It is remarked by Pliny that, previous may call the skeleton, is unjointed, graceful gyrations, and her body as- to the existence of the Indian demand, more or less branched and densely calsumes a variety of postures. She the Gauls were in the habit of using it careous. It is of a red, pink, and very dances, and finally turns a complete for the ornamentation of their weapons rarely a white color, and it is finely of war and helmets; but in his day, so grooved on the surface. This calcaresomersault in midair. The somersault is executed slowly and puzzles the great was the Eastern demand, that it ous axis is covered with a bright red spectators, for it is readily seen that was very rately seen even in the re- coenosarcal (common flesh) crust or gions which produced it." The button bark which is studded by the openings the body of the performer has no sup-

of office worn by Chinese mandarins for the individual members of the are generally large spheres of good col- colony. These individual members ored coral. The inhabitants of India (polyps) are milk white in color, with woman athlete, but a reflection of her and Central Asia prize it next to pearls eight tentacles edged with fringe and for personal ornaments, while among capable of being drawn completely into the negroes of Central Africa it is the within the fleshy bark. favorite ornament.

The polyps communicate with each What is this coral? Perhaps we had other through the coenosarc or combetter first answer the general question. mon flesh, which is traversed by a sys-What is coral? Speaking generallytem of tubes. "The alimentary fluids coral is a calcareous substance secreted elaborated by the polyps pass into the by certain zoophytes, belonging to the branches of the secondary and irreguclass Actinozoa, to form a hard structure of the nature of a skeleton. the great parallel tubes which extend "Whether this skeleton be continuous from one extremity of the organism to or discontinuous, of conspicuous dimen- the other, serving the same purpose to sions or simply of miscroscopic spicula, the whole community. When the exit constitutes what is known properly tremity of a branch of living coral is as the 'coral' or 'corallum,' and the torn or broken, a white liquid immeanimals which produce it are so-called diately flows from the wound, which 'caralligenious zoophytes.'"

mingles with water and presents all The orders which supply the coral- the appearance of milk. This is the makers are Zoantharia, the Rugosa, fluid aliment which has escaped from and the Alcyonaria. The first of these the vessel containing it, charged with in a slight rotary current. The revolv- includes the Madrepores, the Brain the debris of the organism."

The simplest illustration we can give the east, its motion and size constantly second order is wholly extinct but sup- for such a composite structure is the increased by the sucking in of warm plies many fossils. Third gives us Red tree, suggested by the name "arbores-Coral, Sea Pens, Sea Shrubs, Organ-pipe | cent," which is sometimes applied to it. The corallium extending its

Members of the first and the third of branches in every direction, bearing a year's. these three orders are the producers of upon its central skeleton a multitude the coral reefs about which, with the of living organisms strongly reminds permission of the editor, I will speak us of a tree with its branches, leaves in a subsequent paper. The red coral and flowers. The analogy is still fur-

Thus the real causes of our great of the Alcyonaria must occupy our at- ther carried out by the name applied storms lie in the conditions met by tention now because it is the "precious to its method of reproduction-gemmation, or budding.

Even in popular papers of this kind There are still some mysteries conthey are cold enough and meet with it is well to be as accurate as possible nected with the reproduction of corals, African coast; Trapani and Messina in enough moist, hot air in their course in our science and therefore we must but the investigations of Mr. Lacaze- Sicily; Naples, Genoa and Leghora in they are set spinning with a velocity give as simple and yet clear idea of the Duthiers have gone far to throw light Italy. The coral is sorted into (1) dark

Having arrived at a convenient spot of the gorgons or sea shrubs, the crea- board. The rope supporting it is liberally paid out, so that it may float freely on the waters. One end is fast ned to the centre of the wooden cross; the other is coiled round the capstan of the fishing boat. Seated on the gunwale the master throws one leg over the side the rope passing across his thigh, which is covered with a small piece of leather. According to the varying pressure of ground he is fishing and determines the proper moment for abandoning the engine to the weight which tends to drag it downward. The moment comes. He calls to the man at th capstan to let go; away flies the engine to the bottom, where it quickly entangles itself in the projections and fissures of the rock. Now comes the tug of war.

cross over the capstan.

then they passed to the French, who

The preparation and manufacture

The fishing grounds are generally from two to ten miles from land and

Italian build, good sailers and ranging

in size from sixteen tons, with a crew

of ten or twelve men, to boats of five

or six. Their rig is the broad lateen

sail of the felucca and a jib or staysail.

The capstan, which is a very strong

and ponderous one, the fishers and the

crew occupy the stern, while the for

part is given up to the padrone or man

ter. The "engine" consists of a wheel

without the circumference having a

"As the boat flies onward the men toil at the lumbering capstan to haul in or let go the rope according to circumstances; half naked in the geare and glow of the Mediterranean sun, with the bead-drops trickling down their swarthy bodies, they ply their unremitting toil. Again and again the engine is brought to the surface, and the broken coral collected from its meshes. The weight is enormous, and as the capstan raises it through the opposing waters the men are compelled to exercise ali their strength, under the stimulus supplied by the blows of the padrone liberally rained upon them. lar network system, in order to reach They would, indeed, sink under the toil if they did not incessantly recruit their energies by eating, without interrupting their task, however, the supply of biscuit placed within their reac so that it may be justly said: "Th coral fisher is always devouring. The expression has become proverbial. It may readily be imagined that none but the lowest characters take such work, so that there is another saying-"Only a thief or a murderer turns coral fisher." But even these begin their task with an invocation and dedicate the first fine branch to the Blessed Virgin.

First-class hands make from \$80 to \$120 for the season of six months; inferior men get about half that amount. The larger boats get from 650 pounds to 850 pounds in six months' fishing, the smaller from 300 to 500 pounds in

The waste of such a method of fish ing must be enormous. Imagine the unwieldy engine crashing through a forest of such resplendent beauties as gladdened the eyes of Marsigli and Peysonnel

When the ceral is gathered together it is claused from shells and paravites and carried to the markets, the chief of which are Bona ane La Calle, on the or rotten coral, the roots of the poly

M. McLEOD. CUSTOM TAILOR. Dealer in Foreign & Domestic Tweeds, Diagonals, Worsteds, Meltons, Overcoatings, etc. Perfect Fit Guaranteed. - - A Call Solicited. Main Street, Moncton, N. B.

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What He Needed Most.

coral" of commerce.

Coral, etc.

It was at dusk, and I was hungry tury. Theophrastus (died B. C. 287), is unisexual; in others they are both enough to eat a sandwich. I'm not Pliny, the Roman philosopher who per- male and female and then the branch driven to that verge very often, but ished at the destruction of Pompeii, in is bisexual. Again, but very rarely, trade was bad and receipts had been A. D. 79, and Dioscorides, a great polyps are found uniting both sexes.

avenue, and I met a benevolent-looking Christian era, wrote about coral under say, its eggs become embryos inside old gent, who looked me all over, and this supposition and the belief was per- the polyp. The larva remain a certain in response to my appeal he gave me a petuated by Tournefort and Reaumur. time in the general cavity of the polyp, coin, saying: "You have evidently The Count de Marsigli (1658-1730), an where they can be seen through its seen hard luck. I can see that you are eminent naturalist, crowned this old transparent body. In due time they in need. Here, take this. It will satopinion by discovering the "flowers of pass from the mouth of the mother and isfy your most urgent wants." As he coral." He received a branch, fresh then resemble a little white grub or pressed his contribution into the palm from the sea and placed it in sea water. worm, egg-shaped and fitted with cilia of my hand visions of roast beef and

charlotte russe arose in my feverish coral sprays completely covered with motion is backward, with the mouth brain. I had not possessed a whole white flowers, each about a line and a half dollar at one time for many days half in length, supported on a white morphoses. Into thess, however, we and at a street-lamp I paused, full of calyx, from which eight rays of the expectancy, intoxicated with anticipasame color issued, these rays being of tion. There in the solitude of the quiet equal length, and equidistant, and the street, in the pallid gaslight, shaking whole forming a very beautiful star, with nervous excitement, I opened my resembling in color and nearly in size hand. Great Jupiter Olympus! It was

the clove pink.

"It was an achievement to see the coral in bloom, although wrong deduc-Colors from Coal Tar. tions were drawn. In 1725 Peyssonel. Coal tar, formerly considered a waste a young French physicial deputed by and a regular nuisance to gasworkers. the Academie des Sciences to study is now utilized as one of the most corals in 1723 announced that Mar-

valuable color producers. Chemists sigli's flowers were animals. He says: have extracted from it sixteen different "I put the flowers of the coral in vases shades of blue, the same number of full of sea water, and I saw what had various tints of yellow, twelve of orange, been taken for a flower of this pretendnine of violet, besides numerous other ed plant was, in truth, only an animal,

colors, shades and tints. A late like a little sea-nettle or polyp. I had magazine writer in summing up an the pleasure of seeing the feet of the article on "Uses of Coal Tar," savs: creature move about, and having put "The amount of coloring matter stored in coal is so great that one pound of the coral in a gentle heat over the fire, bituminous variety will yield sufficient all the small animals seemed to expand. magenta to cover 500 yards of flannel.

The polys extended his feet, and showaurine for 120 yards, vermillion for 2560 yards and alizarine for 255 yards ed what M. de Marsigli and I had taken

upon it. He says that the polyps of Coral was thought to be a vegetable the same colony are in some cases all production, even down to the last cen- either male or female and the branch a dollar a ton. It is used for lime. naturalist of the second century of the "The coral is irriparous; that is to He wrote-"next morning I found my which enable it to swim freely. Its behind. After a short life of liberty it fixes itself and enters upon its meta-

cannot enter in an essay like the present. Before long its phases of development are ended and it posesses the power of reproducing new beings by gemmation-budding. Then the polypidom is built up and there exists a

prey for the engine of the coral-fisher. How long a time is necessary for the growth of a coral sufficiently large to we do not yet know.

the vase full of water, which contained and never in a northern aspect. It is fair Caucasian as to the dark-skinned

found attached to rocks embedded in a daughter of the Moor. muddy sea bottom, in which it flour-The polys extended his feet, and show-ed what M. de Marsigli and I had taken for the petals of a flower. The calyx ishes more than in a clear or sandy bed. With simplest skill, and toil unweariable,

pidom, which are covered with deposits and parasites, this being worth barely (2) Black coral; coral which having been loosened and having fallen into the mud has been blackened by the sulphurous exhalations. It is used for mourning ornaments and fetches from a dollar to a dollar and a half a pound. (3) Mass coral-the natural coral just as it is dredged, refuse mixed with finer sorts. It fetches, in bulk we might say, from five dollars to eight dollars or nine dollars a pound. (4) Picked coral-the best branches, carefully selected. This will bring from twenty-five to fifty dollars per pound. (5) White coral, which being a rarity fetches fancy prices. Fancified names are given to the color, such as "froth of blood," flower of blood," "first blood," second blood," etc.,

Coral is worked by first cleansing it with lime and then turning it on horizontal disks. resembling the lathes employed by opticians in shaping glass, by means of a paste made of emery and water. The turning process is repeated several times, finer paste being used each time.

The cutting of coral "pearls" with facets is a simple and very rapid operation. The branches are broken into be entangled in the meshes of the net small pieces by making notches with a sharp file and then being snapped asun-The chief habitat of the coral which der. A hole is made in one end with supplies our ornaments is the Mediter- a vertical drill and a handle being fitranean, although Professor Mosely re- ted the fragment is rounded on a grindcords a fishery at San Jago and also at stone. The polisher then produces St. Vincent in the Cape Verde Islands. facets on a revolving metallic disk The best grounds in the Mediterranean | with emery paste and gives a final pollie along the coasts of Tunis, Algeria ish. Necklaces of such pearls are not and Morocco, but red coral is also uncommon. Minute fragments under found near Naples, Leghorn, Genoa and the name of seed coral are also threadlonia in Spain and Provence in France. cheaper kind. After all the prettiest "It is said that it attains greater per- form is that of the natural branches or fection in the east than in the south | twigs in a plain setting and then you and that it is rarely found in a western have a decoration as becoming to the see us when in Town.

"Millions of millions thus, from age to age,

MONCTON, N. B.