Oil; From Cocoanuts

ily supplied by the tree of the trop-ical forest. The cocoanut was both stationary and removing all danger meat and drink for the natives of the of superheating. In five or six tropics, for the milk was sweet and hours the water content has been resatisfying, while the white meat of duced to the required 5 per cent, the cocoanut furnished the oil to supply energy to the body. The leaves for shipment to the mills.

of the cocoanut tree were used for The modern mills for extracting coing of fans, baskets and other hand-craft products, and the wood of the means of which about 60 per cent. of rafts.

of the seas, and never is sandy beach cess slow and inefficient.

the West Indies.

lippine Archipelago. In the Phil- wooden vice screw. are exported to all parts of the protein content, is used by the Philip

Of Recent Development

Singapore and the people of Manila hasten fermentation. as good as that produced in other districts. By 1905 the Philippines Oil For Soap Making

established in the United States and in ballast. It was not thought feas-Europe to handle copra, because it ible to ship vegetable oil in these

000,000 bearing cocoanut trees, pro-ducing nearly 1,000,000,000 nuts per annum, of which nine hundred mil-vegetable oil sufficiently to pump lion are made into copra. A cocoa- into the storage tanks. In 1908 the and palm will yield from 25 to 30 exports of Philippine cocoanut oil to nuts each year, and they are taken this country amounted in value to from the tree, when fully mature, almost \$32,000,000. about once every three or four months. The nuts are collected in Prominent in Other Oriental Lands sheds and the outer shell or fibre is torn away from the hard shell of the nut by means of a tool similar to the plowshare. The nut is then split open with a large knife or bolo, and piles near the drying or smoking the halves, with the meat exposed, India, and although prepared by naare placed over fires, on racks constructed of wood, and are allowed to remain there until the meat drops them for a month or more on from the shell. Where sun drying is practised, the halved nuts are allowed to remain subjected to the sun's rays for a period of about six days, or until the meat loosens from

Preparing the Copra

drying. The copra, cut into strips, large companies, which are introducts placed in trays in an oven heated ing more modern methods for handby a stream of hot air. Heat is ling the nuts.

In the days when men, like the maintained at 130 degrees to 140 de-birds, took no thought of what they grees Fahrenheit for five or six should eat or wherein should they be hours. In some cases the trays are clothed, their simple wants were eas- kept in motion, thus securing a more

roofing the dwellings, or for the mak coanut oil from copra have installed tree was used for making huts or the oil content is extracted by modern machinery, but the' method in The cocoanut tree is a great lover vogue is rather crude and the pro-

so devoid of soil that the cocoanut The nuts are halved, where the tossed up by the friendly breaker fresh cocoanuts are used, and the cannot find a rooting space for the whole meat grated by means of steel treelet incased within its protecting burr driven with pedal attachment. The grated meat is transferred to the Stately cocoanut palms, towering caua, or steaming kettle, where it is from 60 to 100 feet high, are found mixed with one-half its volume of on every coral islet of the warm belt water and steamed for from two to of the Pacific, as well as on the san- four hours by the application of didy beaches of the East Indies, the rect heat from burning shells and torrid coasts of tropical American husks. The steamed meat is then places and on the fertile shores of placed in rattan bags, which are sus-It is fond especially of the innum- tween two heavy pieces of wood, and erable islands that make up the Phil- pressure is applied by means of a

ippines, the cocoanut, except being The gata, or white emulsion of oil, merely a source of food for the na- water and cellular tissue obtained, tives, is fast developing into the lar- is returned to a second caua, where gest industry in the islands, and the water is evaporated and the celthousands of tons of dried copra and lular tissue coagulated into a brown millions of gallons of cocoanut oil mass. This cellular tissue, of high pine dwellers as a food. The oil is ladeled into earthenware vessels, and in the Olympic Games at Antwerp the small solid particles remaining by John Murphy of the Multnomah are allowed to settle out. No filter- A.A.C. In the final tryouts held at Philippines were not utilized in a basket in order to disintegrate it and record made last year. To win

JOHN MURPHY

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OOST A MAN IN TH' PAPER
ME'LL FERGET IT IN TWOMS - BUT PRINT SOMETHIN'
DON'T LIKE 'N HE'LL KNOCK
PAPER FER TWO YEARS 'S
INST THERE WUZ AN EDITOR
WHO STARTED OUT TO
LASE EVERYBOON OR BUST."
HE GUSTED!

In Ceylon a great deal of the copr is made over drying kilns, some what like the tapahan of the Philip The modern method is that of oven pines, the hands of syndicates and

WHO SETS A NEW MARK WHEN GENERAL U.S. GRANT FELL INTO THE ST. LAWRENCE RIVER

Tumbled Into the Water at Pullman's Island Opposite Alexandria Bay-Other Early History of the Thousand Island Territory-A Southern Romance of the Seventles

(The Observer in Clayton on-the-St. Lawrence)

How many of my readers have even heard or read of the time when General Grant tumbled into the river at Pullman's Island, opposite Alexandria Bay? Very few, probably, but several reputable persons who claimed at the time to have been witnesses declared it to be a fact, and, although great efforts were made to suppress knowledge of the humiliating accident to the great commander from going abroad, the news leaked out to be tattled about the surrounding country, and to appear in more or less exaggerated form in partisan newspapers that were glad of an opportunity to belittle the general on account of his political faith. olitical faith

When at the time of the construction of the Thousand Island House at Alexandria Bay in 1872, Staples, its promoter and builder, made his famous prediction that he would live to see the shores and islands from Alexandria Bay to Clayton the location of a great summer city, the lands on which are now located Thousand/Island, Westminster, St. Lawrence Park and Fine View were cow pastures, the only buildings on the site being farmers' residences. Round Island, or Frontenac, was cultivated as a farm, and Murray Hill and Grenell' Parks were jungles of underbrush inhabited by every species of ferocious man-eating insects, known to this northern climate.

With the completion of the Thousand Island House, the Rome, Watertown and Ogdensburg railroad placed a boat on the river, the J. H. Kelly, afterwards renamed Islander, which was burned a few years ago, to run from Cape Vincent, then the only railroad terminal along the river, to Alexandria Bay, the only stop between those ports being Clayton and passengers from along the river shores on Wellesley Island from the present location of Thousand Island Park and along the river desirous of connecting with Cape Vincent trains, were taken out in row boats to mid-channel, where the steamer would be halted and muscular deck-hands would lift the traveller and baggage on board.

The first cottage to be constructed along the river was a small affair owned by the late D. C. Porter, of Clayton, and used by himself and family as a week-end resting place, and that is still standing, being used as a kitchen attached to a cot-Prior to the late eighties, the vast ing process is resorted to. The press the Harvard Stadium, Cambridge, groves of the cocoanut palm in the cake is shaken through a bamboo Mass he bettered his own higo jump cottage at Frontenac.

commercial sense, but about that is then allowed to ferment for a per-time a British firm in Manila brought iod of three days, with occasional This year he cleared the cross bar over samples of dried copra from stirring and turning of meat to when it stood at 6 feet 4 1-4 inches. Sociated with nor making acquaintances with others was suggestive of somewhat mysterious romance as viewed by senti and Cebu were shown the process of After the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the fresh cocoanuts into indicate the first ferm and converting the fresh cocoanuts into indicate the first ferm. In the first ferm and converting the first ferm and copra. The idea spread rapidly in apparatus consisting of a heavy rol- the world. Few artificial drying grets and tearful scenes in plenty. A daughter was born to the islands, but due to a lack of pro- ler working back and forth over a apparatus are used, however, and them there, and not long after the child was adopted for a time per organization and supervision, the fit surface, and is then repressed, product did not measure up to the The process of fermentation and restandard of other districts and the pressing is carried on daily for from Philippine goods were not considered five to seven days.

Java, the copra driers use zinc sheets had eloped; the woman being the daughter of an old aristocratic to protect the nuts from the fumes former slave owning family, and the man a former northern and smoke of the fuel pot, thus re-ducing the amount of foreign mat-war and that her masculine relatives had threatened to kill

produced 17 per cent of the copra in the world's market, and by 1911 the various pressings of fermented meat, is classed as rancid oil for soap-making hot air which circulates about the trave. As alsowhere, however, the trave, as also the fining has third of the world's supply. Since that time the industry has grown by leaps and bounds, and from one mill leaps and bounds.

in 1913 there developed in 1918 over 30 of them, with a daily capacity of 1,300 tons of cocoanut oil, or an annual consumption of over 800,000 tons of copra, if run to full capac
Where the oil is extracted.

Samoa was the first country to take decisive steps to standardize and improve her copra exports, and today the industry has been placed to know where, but probably taken away by the mother.

Samoa was the first country to take decisive steps to standardize and improve her copra exports, and today would be considered as very ordinary if located today the industry has been placed on a firm footing, and regulation.

Where the oil is extracted. annual consumption of over 800,000 tons of copra, if run to full capace. The exports of cocoanut products of the cocoanut products of oil pressed from the Philippines are in the form nuts and shipped in barrels or tank steamers, or "copra" or the dried cocoanut meat, from which the oil can subsequently be extracted. A number of oil-extracting plants have been subsequently be extracted. A number of oil-extracting plants have been being entirely free from color.

Where the oil is extracted from the Philippines and shipped in barrels or tank steamers carry their targoes of American fuel oil and percolar troleum from the Pacific coast to subsequently be extracted. A number of claracter of the office of oil-extracting plants have been placed on a firm footing, and regulations met resting place, and in 1872 invited General Grant, with whom he had been acquainted from boyhood, to become his guest for a time. The news of the arrival of the famous commander at Pullman's Island home took passage on wings of wind and a multitude of that familiar type of free-born Ameritary for the trees, being used.

Siam is supplied with many cocoanut groves, and the industry has been placed on a firm footing, and regulations met resting place, and in 1872 invited General Grant, with whom he had been acquainted from boyhood, to become his guest for a time. The news of the arrival of the famous commander at Pullman's Island home took passage on wings of wind and a multitude of that familiar type of free-born Ameritary functions are ever ready to grovel in the dust at the feet of family five time.

Siam is supplied with many cocoanut groves, and the industry has been placed on a firm footing, and regulations met resting place, and in 1872 invited General Grant, with whom he had been acquainted from been departed in barrels or tank steamers. A number of tank steamers at the feet of family five defect of the trees, which issues only fully many than the cocoanuts, which fall from the trees, being used.

Siam is supplied with many cocoanut gro

proper precautions are taken to pro-as to almost make prisoners of the Pullman family and guests. Everything imaginable in or on which the crowd could take tect the trees from pests, but in the absence of such regulations these has been discovered that the pulp left after the oil has been extracted is a very valuable stock food and can also be used as fertilizer and this by product commands a good price.

As a stock food it compares favorably with glutten feed, though it compared that the pulp tanks because of the fear of contamination from the residue of the fuel oil in these absence of such regulations these passage across the waters was there; steamboats, sailboats, row boats, sail and rowing scows, punts and even slab rafts constructed and manned by neighboring farmers' barefoot boys whose legal guardians, joining in the wild rush to extend well-ambique both the smoke kiin and the sun methods are employed, and some As a stock food it compares fayorably with glutten feed, though it
contains less carbohydrates and more
fat, ash and fibre. The oil is used
for many purposes, including cooking or for salads, the making of fine
scape, etc.

There are at the present time in
the Philippines approximately 40,obol, 000 bearing cocoanut trees, producing nearly 1,000,000,000 nuts per

with live steam, ewabbing them up
with the coprament itself, until all
trace of the fuel oil has disappeared.
To handle these bulk shipments
it has become necessary to construct
vegetable oil tanks at San Francisco
and Seattle, into which the ships can
dump their cargoes. As this oil becomes a solid, resembling paraffine,
when subjected to cold weather, it
is sometimes necessary to run steam
pipes into the ship's hold to melt the

MICKIE SAYS

Water craft the general arose from his seat on the piazza to silently greet the visitors by simply lifting his sfik hat, probably
from the gaping curiosity seeking crowds that would be equally
entertained if a dog fight were going on in the vicinity.

There were several different versions floating about a few
days later of how the general come to take an involuntary bath
in the mighty St. Lawrence, the most likely one of which was
that one day when the crowds had become thinned out, he
walked down to where several rowboats were tied to the
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water craft the general arose from his seat on the piazza to sitently greet the visitors by simply lifting his sfik hat, probably
the cocoanuts.

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days later of how the general come to take an involuntary bath
in the mighty St. Lawrence, the most likely one of which was
that one day when the crowds had become thinned out, he
walked down to where several rowboats were tied to the

dock, to place his foot on the gunwale or edge of one, that like a circus jackass side-stepped from underneath its would-be rider, and the general descended between the boat and dock to make a loud splash in the waters. The ladies on the plazza creamed and the musculine population of the island fran-ically rushed to the rescue of the victim of misplaced confitically rushed to the rescue of the victim of misplaced confidence, who, landed on the dock, with clothing dripping, presented a sorrowful aspect of humiliating defeat that the momentary fright of the witnesses was succeeded by merry peals of laughter in which the general himself joined, and who was warned against the possible repetition of such disaster by Mr. Pullman, who said, "General, you have led the greatest armies of modern times to victory, but allow me to caution you to not recklessly again seek open conflict with one of these rowboats, for they are as treacherous as untamed army mules, and they are liable to bring defeat to you at any time."



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C. H. Easson, General Manager. Toronto, June 16th, 1920

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