Goose-Necked Barnacles.

ago at the beginning of April that a

friend called at the office to tell me

earlier than usual, so off we went, and

less than an hour after we were stand-

ing with bent heads examining the big

log which was covered with the curious

It was an odd sight. The short log

was almost wholly covered with a wrig-

sea water in which they had lived and like them?"

The Times Nature Club

It was somewhere about two weeks ers who have written for the pages are

that there were some goose barnacles Easter. Perhaps some of our young

washed up on the shore at Ross Bay, people will find some new treasure in

very good also, and the stories of oth-

I hope there will be some more ac-

counts of rambles in the woods after

Nothing But Weeds.

"Uncle Jack," said Ronald to Mr.

OBSERVER.

helping the general interest in it,

scription of the skunk cabbage.

so that by it insects may be tempted to visit them, and help in forming the seeds. You have noticed that after a while

which before were upright when the flowers were expanded, lower themabout twelve days, while the seeds are the varied soils and climates of the ripening. When the seeds are mature they rise up straight again; and in members of this order in every part of HON. W. TEMPLEMAN place of the golden blossoms you see round fluffy balls, exceedingly delicate each other. It is the dominant order of washed up on the shore at Ross Bay, and suggested that we should take a walk out to see them. It happened that very afternoon that I finished my work ing sound." Ing sound." T. D.'s letter from Nelson, B. C., was very interesting, as was also the de-scrintion of the skunk cdbhage ture, formed out of the rudiments of the ruff or calyx at the back of each dear old land he may never see again. flower. A breath is sufficient for its dispersion, and, carried along by the winds of heaven, the seed furnished mean, insignificant weed which we pass the discussion in the House yesterday gling, squirning mass, unsightly and Grantham a few days ago, "our teacher ures seemed ta be dead, but others were still moving about, reaching to the full think they are pretty, but Dad says ion to secure the dispersion of the seed

You have noticed that after a while the golden flowers of the dandelion dis-appear. The stalks that bore them, which before were unrefett when the elves and lie close to the ground for turn, have made it better suited for all

was annost wholy overed with a wing-gling, solution may covered with a wing-geose-necked, and they were clinging of flowers on the one head. One sort to the log as thickly as they could stick, and also clung to each other, as shown in the illustration. Some of the creat-ures seemed ta be dead, but others were the may covered with a wing solution with the set of the may cover the set of the may and its two and the set of the may and the set of the set o still moving about, reaching to the full think they are pretty, but Dad says lon to secure the dispersion of the seed perfectly formed, and its type of structure is more highly organized than only on ary days, when them freely upon every breeze. You have often, I am sure, cent trees. It has a pedigree that goes which was now far from reach. Some of the longest were some eight inches in length. They really were not necks, but seemed more like stems, for there was litle sign of life in that part. With-in the cell, however, there seemed to be farther back into the mysterious past department of Inland Revenue for a might say, and is the newest and fresh-est of all God's works; that on which in the cell, however, there seemed to be an intelligence, for the feathery cirri They went in together and this is Some of you, too, I daresay, continue the old custom of splitting the hollow He has been working, from the first He has been working, from the first simple beginning of flowers on the upon the market of Canada for many earth until now, to achieve the highest perfection of flower-life. Think of the honor which God has thus bestowed

THE CITY TREASURY

Electric Light Telephone and Gas Companies and Indian Reserve Lands Liable.

solicitors and the city barrister read at 70 cents and No. 2 grade at 80 at a special meeting of the council held Thursday evening, several addi-we could not properly safeguard the tional sources of revenue are available to the city. These include electric and of alcohol, and the consequence is telephone poles and wires, and gas that we have put on the market to mains and also all land in the Indian day an alcohol at 65 cents per gallon. reserve leased to any one not an official "Now I have said that the price of wood alcohol up to the period of the of the Indian department. In the case termination of the last contract was of the leased land on the reserve it is \$1.29 per bulk gallon. During the held that the value of the lease can last year the price of wood alcohol, be assessed, although the land itself particularly in the United States, has cannot be. The poles and wires of United States, until one year ago, the the electric light and telephone com- manufacturers had to use wood alcopanies and the mains of the gas cos- hol pure and simple, or if they used pany are held to be real property and ethyl alcohol they had to pay a duty as such are assessable. The opinions Canada has been far in advance of the of the city's legal advisers were reis expected will be concluded within ture it. They have done so, and they a short time.

from the city solicitors in which they ing it at 40 or 45 cents a wine galhad sent to W. J. Taylor, city barrister, straight up from its roots, because the lasking his opinion on the matter and blossom is the most important part of it. It is this which forms the seed, also a reply from him bearing out the one would imagine. At the price at contentions of the solicitors.

come more luxuriant when the seed is provements.

day night's meeting was that all poles, lated spirits placed upon the market wires and pipes when placed in the by the department for a long time, No. bitterness of its stem and leaves. These ground as well as all machinery come 1, with 75 per cent of grain alcohol, has within the meaning of the term "real been sold to manufacturers and others which prevents most animals from property," and should be so assessed. who enter into a bond that it shall be asting them. Then, too, there is the Ald. Pauline brought up the point used only in their business and not be Ald. Pauline brought up the point used only in their businses and not be thick, long, carrot-like root which goes that the provincial government was at sold or transferred to others. The oth far down into the ground, and takes such a firm hold of it, that it is diffi-companies and if the city should do so at large without any restriction whatit would mean double taxation, but City Solicitor Mann said that if the that an alcohol containing 50 per cent government taxed machinery the city of wood alcohol was a perfectly safe could not, as dual taxation was not article to place on the market so far as allowed. The province, however, al- the revenue was concerned. This, Mr. ways stepped in and collected taxes Chairman, is the situation at the pres from any source that the city was not ent time. We hope in the future t evying upon, such as the poles, wires make considerable progress in and blossoms. This root also contains and gas mains, which were now under ing the price of methylated spirits. Up

The letters were referred to the city think it will be possible considerably

WHITE PASS EMPLOYEES

tances. You can trace up its his- Local Engineers Preparing Bcats for Opening of

upon a humble wayside weed!

MORE REVENUE FOR

enclosed a copy of a letter which they lon, which, being one-fifth or one-

whether the fixtures of corporations the market price in Canada to-day placed on the public streets are real being, I think, something like 50

GO NORTH ON MONDAY

Navigation.

The dandelion belongs to the largest. third week in May.

FLOWERS OF BROAD LEAFED MAPLE

were extended now and then in the vain what Uncle Jack read: search for food and drink. We each cut off a cluster, severing the stem of one in order to get the ones that were adhering to it. I carried mine is called a composite flower, made up home wrapped in a newspaper and as of a great many little flowers of the their necks. by cutting the hollow stems soon as possible after arriving obtain- same kind, forming a cluster or bou- into little round bits. ed a pailful of sea-water from the quet. Each of these separate florets, ed a pairful of sea-water from the quet, Each of these separate notes, beach and put the clustre in. In a few when you examine it by a magnifying the dandelion crowns a tall naked stem holding it up to the sun, while all the minutes the appearance of the wonder-ful things changed, just as the sea-ful things when the tide comes in weed changes when the tide comes in the barnacles commenc-glass, is as perfect as in it works the only one. It has all the parts for pro-ducing seed, just as you see in the wild rose or lily. The dandelion produces so soon some of them were extending the beautiful feathery cirri which can be ance, and so attract insects, which debeautiful feathery cirri which can be seen slightly extended in the picture. Light in brilliant colors, to feed upon This was sent out like delicate fingers the small particles of honey which they find at the bottom of each tiny flower-from the kind of situations in which ends they were withdrawn into the shell carrying with them any living ing powder from one to another, that ends they were withdrawn into the shell carrying with them any living particles that had come within their reach. It was the barnacles' method of looking for food. It was graceful, and altogether beautiful, so different from the regulsive appearance when out of when out

curling noward, were again withdrawn as no insects are abroad at such times, the honey is by this wise plan preservand the operation repeated. whole of that part of the pail within

The next day I took them out and photographed them, as seen in the illustration. Not having time to develop them myself I left them at the pho- dew, or the too great heat of the sun. tographer's with instructions to take a print. When I called for it he asked what kind of flower I had been photographing. Someone else suggested that had been studying comparative an-

The goose barnacles are not very common on the shores, except when they come in from the deep sea on a floating log or the bottom of a ship. There are plenty of the acorn barnacles which, in habits, resemble the goosenecked variety very clasely. When the young are first hatched from the egg they are able to swim around, having little hook with which to anch themselves to anything. They are very small but they have eyes and no one would guess that they were barnacles. the being a short time in this form they change their nature and become fixed to a rock or log, or some other suitable substance. Sometimes they cling to the back of a whale or the bottom of a ship. Where they once anchor they remain for the rest of their

lives. Very soon after the shell begins t form the eyes disappear, s creature that once was free and able to see what was going on in its part of the vorld, becomes fixed like a plant and loses its power of sight.

aBrnacles can live out of the water for some time, but if they are washed up to a point where the tide never comes, they die and are eaten by the crows or some other scavenger of the RAMBLER.

Appreciation. Nature Club Editor: The columns of your club are certainly not losing interest, and cannot fail to be very instructive when well informed writers continue to contribute information for other's sake. The different articles on which may be studied in connection with museum specimens, are

The golden head of the dandelion is not what you would fancy it to be at curls. And the girls will still adorn the water. We could hardly leave the small pail, for the thing seemed so wonderful. The for the thing seemed so wonderful. The tect their honey from being washed come more luxurian ripened and shed, Several ed for their use afterwards. That is were doing the same thing at the same the reason why flowers close up and time, and all clinging to each other. During the whole time their position is to sleep as it is called The dande-lion usually opens between six and was changing so that they fished the seven o'clock in the morning, and closes about the same time in the evening. And this opening and closing of the flowers has always some relati other to the necessity of guarding the honey in them from the rain or the

CLUSTER OF GOOSE NECKED BARNACLES.

According to letters from the city at the present time we sell No. 1 grade

The whole matter was brought to the attention of the council in a letter the attention of the council in a letter

Briefly the questions asked were henceforth to supply wood alcohol, m. The section referred to gives tha grain alcohol as compared with the

Mr. Taylor's opinion read at Thurs- States. Of the two grades of methy-

The taxation of the portion of the cheap wood alcohol, after the termin ndian reserve leased to outside parties tion of our contract, efforts were made r various uses was also dealt with to remove some of the cost of denaturn the letters, the view taken being ing, which I think is quite feasible. The hat the value of the leases could be wood alcohol now mixed by the departassessed, although the land could not ment is all brought to Ottawa, upor

assessor for his guidance in preparing to reduce the cost of denaturing before this year's list.

When the steamship Dolphin leaves Seattle on Monday she will carry four facture of alcohol simply for the purpetals which have given the flower the Victorians, who are going to Skagway name of dandelion — a French word meaning the teeth of a lion? These teeth are always five in numbers; and the White Pass river service. They are Alex. Bertram, chief en-the wite the manufactures of the result. They are Alex Bertram, chief en-they teell us that is contemplates the appointment to prepare for their season's work on the White Pass river service. They are Alex. Bertram, chief en-they teell us that is contemplates the appointment to prepare for their season's work on the White Pass river service. They are Alex. Bertram, chief en-cause it is more service. They are Alex to the result. The value of the result o

teeth are always five in numbers; and they tell us that each of these strap-shaped yellow leaves was once a round flower of five petals, like a wild rose or a wild apple blossom. The teeth indi-cate the divisions of the old parts of the flower. It is those curious birth-marks and relics of old states left be-hind in its advancing stages, and still preserved in the plant, which invest the hind in its advancing stages, and still start being made with a fresh and endless interest. The boats are being made ready for the opening of navigation which is anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it anticipated to take place about the start being made ready it at th States is considerable. In the first day night.

valuable medicine by doctors, but which most creatures dislike so much that they will not touch it. what it is? This is a new question which moderin science teaches us to ask. Until a short time ago everybody took it for granted that a dandelion ated what it is now, and had never changed since its creation. But a new er and truer view of nature has taught us that it has a long history of its own. That history leads us through a serier of wonderful changes. The dan its present shape by the force of cirtory from a simple form of its first stalk, to the existing composite form of all its flowers, coiled and compress in its blossoms the traces of its earlier stages. Have you ever noticed the little teeth, like those of a fine saw, at the end of the yellow strap-shaped

column of the stem at the top into four

You notice further that the flower of

and furnishes it with a store of nour-

ishment sufficient to make it last over

the drought of summer and the frost of

winter, and all the unfavorable condi-

tions of the weather, until a suitable

time comes for it to put forth its leaves

bitter principle, which is used as a

How did the dandelion come to h

was always a dandelion; had been cre-

lelion has been slowly moulded into

ed into one general head; and it bears

ers, arranged at intervals along the

ever becomes of the individual plant; Besides this protection from danger, nature has given to it another in the are full of a disagreeable milky juice, cult to pull it up entire. This root fixes it so that it cannot be easily moved,

MANUFACTURE OF **DENATURED** SPIRIT

GIVES INFORMATION

ments to Inland Revenue Act.

year or two. The department makes methylated spirits. It has kept this years, has been mostly of two grades, one being 50 per cent. wood alcohol and 50 per cent. grain alcohol, and the other being 25 per cent. wood alcohol and 75 per cent. grain alcohol. The cost of the grain alcohol as purchased by the department from distillers has been about 41 or 42 cents per gallon, at the strength used for methylated spirits. Up to the present time the cost of wood alcohol to the department has been \$1.29 per gallon. We have put these two grades of methylated spirits on the market for a number of years at \$1.10 per gallon and \$1.25, the latter being the price of alcohol containing 50 per cent. wood alcohol. During the past year we have reduced these prices until United States for many years in this respect; but two years ago the United are placing on the market to-day a denatured alcohol of which about 90 sixth less in bulk than the imperial which the department will be able

very little above those in the United to the time that we could procuse which freight has to be paid, and I

Mr. Foster: Where does the minis ter get his wood alcohol? Is any of it made in Canada?

Mr. Templeman: It is all made in Mr. Foster: I mean is any of nade in Canada that is not made under the supervision of the department? Mr. Templeman: There is no supervision, we are taking that power now. Wood alcohol, as a substance by itself, is made by the manufacturers of alcohol, by charcoal manufacturers and it and place it on the market. We have to restriction over its manufacture. We now take control over the manupose of safeguarding the lives of peo-

There is, I think, a small tax, some-thing like seven and a half cents per bushel, on corn used in the production of alcohol. The distillers in the United States are located in districts where corn is grown in large quantities, and where coal for fuel is practically at their very door. It is a question wheth-their very door. It is a question whethdenatured alcohol, we would be able to remove that disability, so far as concerns alcohol used for denaturing pur poses. That might be practicable without at all affecting the revenue or changing the taxes. There are many disabilities but these are probably the principal ones. The price of coal is another. When I ask distillers why they could not sell alcohol as cheaply as it is sold in the United States they aid that in southern Illinois, I think Peoria is the centre, they are near the corn fields and the coal fields and have facilities for producing alcohol at very low price. We are at present very much handicapped by reason of the excessive price of wood alcohol. I look forward hopefully to the possibil-so of \$210,000. They provide \$70,000 for uced price. At the same time the great object the people have in mind possible to produce alcohol in Canada nuch more cheaply than at present, it would have to be produced at one-half the price of to-day before it could be sold in competition with gasoline and petroleum. The officials of the depart-ment have been in communication with the officials of the department in Washington with respect to the oper-ation of their law, and their information is that it has not been successful in regard to the distillation of alcohol a small still, and under the supervision of excise officers distill his own alcohol from corn stalks or other similar waste voted against this by-law. The higt products of the farm. However, this as not been accomplished in the United States. Our department have serious danger to the revenue unless the work is carried out under the closest supervision. Germany is always pointed to as the country that has suc-ceeded in producing denatured alcohol for fuel purposes, for driving motors, A year ago, when the question was before the House, I read some of the reports in regard to the success of this alcohol in Germany, including the report prepared by a commission of the mperial parliament to investigate this For estion in regard to the effect of tax- Against aying alcohol on the industries of Freat Britain as compared with the freer alcohol of Germany. I learned hen, and I believe it is the fact, that Germany encourages by a subsidy the reduction of alcohol on the farm. Ger- Major many also imposes a tax upon petroleum. It encourages the production cents or 7 cents a gallon. I do not think that policy would be acceptable in Canada. Then Germany has very cheap labor. The inauguration of the alcohol industry in Germany was due to agrarian politics. There were very ADOPT ESTIMATES large areas of poor land and many poor people, and they were encouraged o go on these lands to grow potatoes and manufacture alcohol. It was not altogether a question of producing the settlement of poor lands in Saxony and other provinces of Germany. A large quantity of alcohol is used in Germany for fuel and light purpos which is made from potatoes. I do not think we desire conditions in this country which would enable us to the same measure of cheap alcohol: I will not be able to produce alcohol to compete with the present price of pe-troleum and gasoline in Canada.

TEES BRINGS NEWS

Southern Cruise—Orion Takes Six Whales.

Clayoquot and nine other points of call on the West Coast in two days and fifteen hours the steamship Tees, Capt. freight to pick up.

From Sechart whaling station the has arrived on the coast from her ment which he declared lost. Ald. Fulskins and will take on her hunters for called. This was done and Alderr others; it is free to any person to make to meet the schooner returned to the city.

Better luck than she had previously was able to hunt this week and six that it contemplates the appointmen

been on a tour of inspection, W. Clarke be done on Monday evening.

place, I think the corn imported into Canada comes directly from the corn producing belt and has to pay freight. **ARE ENDORSED**

RECEIVE APPROVAL

In Small Vote the Result is **Decisive in All** Cases.

The four by-laws submitted to the ratepayers on Thursday were all safe majorities, although the ough the total vote was very small, less than one-fifth of those whose names were on the list turning out. These by-laws mean an exp ditional equipment for the fire brigade, and \$50,000 for sewer extension The I pass no opinion as to the possibility of that. The use of alcohol in compe-tition with gasoline or petroleum is not likely to become general in Canada for some time to come. While it may be noesible to provide a some some time to come. While it may be all the measures are safe beyond questio The vote on the three measures submitted by the council is taken as expressing the confidence of the people in that body this year.

One of the reasons given for the size of of the by-laws, although the council and the school board each did their be enlighten the people regarding them. For example, 88 people voted against the sewer by-law, which does not increase the city's debt charges a single cent. The in regard to the distillation of alconol by farmers. All the denatured alcohol put on the market in the United States in the last twelve months has been from the grain distillers. It was ex-nected that there would be such a thing as agricultural distillers, that any far-mer might have a license, might have a small still, and under the supervision of excise officers distill bis correction of the cost, while in the former the city pays nothing. The money voted is to be used for completing sewer work now under way, and providvoted against this by-law. The high pressure by-law was perhaps the least understood of all the measures submitted, watched it with interest; we would this problem successfully before ven-turing along a line in which there is serious danger to the mean of the others. There was quite the large vote against the school and fre

The total number who voted was \$58 out of a total possible vote of about 4,800. The result of the vote is in detail as follo Sewer Loan.

Against Blanks and spoiled for by-law School By-Law Andra artisticie Blank and spoiled Majority ty for by-law Additional Fire Protect For

Against Blank and spoiled for by-law High Pressure By-Law.

FOR PRESENT YEAR

cheap fuel, it had something to do with City Council Completes Consideration of Budget-Tourist Association Vote.

The civic estimates have at last been understand that unless our farmers are passed. This was done at a special prepared to grow potatoes at a price of meeting of the council held Thursday about 10 cents or 12 cents a bushel they evening when the routine portion of the by-law containing the estimates was gone through and items adopted without change. The only opposition manifested to any portion of the bylaw or any of the items was in re-OF THE ALLIE I. ALGER gard to the grant of \$4,000 to the Tourist association. Ald. Fullerton took objection to this grant and was supported by Aldermen Gleason and Norman.

After the other business of the council had been disposed of, the consideration of the estimates was taken up and all went along swimmingly until the time arrived for the adoption of Completing a very smart trip to the report of the committee of the whole.

At this point Ald. Fullerton moved Townsend, arrived in port yesterday afternoon. Although bad weather was adoption of the report that vote No. experienced during the greater part of 62, that of \$4,000 to the Tourist assothe trip the steamship made excellent time between ports having only a few passengers and a small amount of Mayor Hall-You're determined to go on record.

Ald. Fullerton-Yes I can do so now Tees brought news to the effect that the whaler Orion had sighted the sent.

southern cruise with a catch of 138 lerton demanded that the names be the northern hunting. The Jessie, which has been expected for some time at Banfield, has not yet shown up. R. Hall, who went up on the Tees to meet the schooner returned to the Mayor Hall-You can also record m

as voting against the amendment. The by-law was then given its third experienced this season greeted the reading after the advisability of doing Orion during the few days that she so was discussed, owing to the fact Marchant, customs inspector, who has this can be done, but this will likely

75 YEARS WITH ONE FIRM.

Mr. George Ashworth, of Rawtenstall, Mr. George Ashworth, mapleted his S6th Lancs., who has just completed his S6th Lancs, who has just completed his S6th Wool ted his 86th Lancs., who has both download for Messrs. Hardman Brothers at Newhallhey Wool-len Mills, Rawtenstall, for a period of 75 years, and is still in the same employ-ment. He is now engaged as foreman fulling miller at these mills

THE BASEBA **SEASO**N

COMPOSITION OF MAJOR LEA

Players Who Will Matches Dur Summ

On Tuesday last bo

and National leagues son and are now on of 154 games for eac hampionship of the r After the finish of th league the winners of play a series of sever the championship of pended is a list of t league and the name representing the vari teams in the leagues. National I

The National Leag third season promises one than last year, a made despe have strengthen their team making Chicago's pa pionship much harde this the case with the burg and Philadelph propose to have a loc nant. The second divis year-Brooklyn, Cinc and Boston-also pr easy meat for the l for the 1908 battle al o strengthen, as will many additions to an teams, Following is a rect roster of the te start in the 1908 cam order in which they i The Chicag

President-Charles Manager-Frank L Catchers-Kling, M Pitchers-Lundgren, bach, M. Brown, Fra bin, Walsh, Donahue Infielders-Chance, Tinker, Hoffman, Zin Outfielders-Sheckar Howard. The Pittsbu

President-Barney Manager-Fred Cla Catchers-Gibson, Schriver, H. Smith. Pitchers-Phillippe, Camnitz, Willis, Mad brand, Otey, Adams, Infielders - Swac Wagner, Storke, Sta Outfielders-Clarke,

Wilson, Neighbors, The Philadely President-William Manager-William Catchers-Dooin, Pitchers-Richie, C

Moren, Sparks, C. Infielders-Bransfie

lin, Grant, Courtney Outfielders-Titus Osborne, Deininger, The New Y President-John 7

Manager-John J. Catchers - Bres James, Curtis, Snot Pitchers-C. Math Ginnity, Taylor

Beecher, Malarkey, Infielders-Tenne Nicklin, Bridwell. Outfielders-Don mour, Evans, O'Bri The Brook

President-Charl Manager-Patrick Catchers-Bergen, Hurley,. Pitchers-Scanlo

ett, Pastorius, Bell Holmes. Infielders-Tim

Lewis, Sheehan, Outfielders-Luml

Burch. The Cincin President-Augus Manager-John G

Catchers-Schlei, Pitchers-Coakley Campbell, Hitt, Ur Carthy, Ragan. Infielders-Ganzel Lobert, Hulswitt. Outfielders-Mitch

McGilvary, O'Neill, The Bost President-George Manager-Joseph Catchers-Bowern

Graham, J. C. Ball, Pitchers-I. Youn fer, P. J. Flahert Ferguson. Infielders-McGar

Dahlen, W. Sween Outfielders -Browne, Kelley, 1

The St. President-Stanle Manager-J. J. M

Catchers-Noonal Hostetter, Bouches Pitchers-From Beebe, Raymond, lee, Lush, Rhoade Infielders-Kone Byrne, O'Rourke. Outfielders-Mu Barry, House, Sh The teams will above given, alth an experimental

The official umpi of Chicago: Rol Thomas, Canada; Newark, N. J.: York; Charles Ri and Frank Rudde

Americ That the race of an League in its as hard, if not 1907, is an assur strengthening pi een subjected i predicted that at