THE BIG SUNFLOWER

THIS VALUABLE PLANT HAS GREAT ECONOMIC VALUE.

All Its Parts, From Stalk to Seeds, May Be Made a Source of Revenue to Cultivators—It Is Logically Our National Flower.

The sunflower might be a most appropriate choice for the national flower of our country, since it originated here in the regions of the great plains. Specimens of it were taken to Europe by the early Spanish explorers, and it was first cultivated in the old world in the gardens of Madrid. The plant was utilized by the American Indians long before the days of Columbus. Champlain, when he visited Georgian bay in 1615, found the aborigines there growing it and using the oil made from the seeds on their hair. It was raised chiefly for the sake of the food which its seeds supplied. To so high a point had it been developed by the natives on this continent that during the three and a half centuries which have elapsed since its adoption by the white men it has not been improved to any extent, merely retaining the original size which distinguished it from its wild original.

In Russia the plant is of great economic importance, its seeds being eaten in immense quantities, raw or roasted, just as we eat peanuts. The oil obtained by pressing the seeds is also widely used as an article of diet. The stalks and oil cakes make excellent fodder, the leaves are employed as a substitute for tobacco, and the fiber of the stalks has a high value. The oil of the sunflower is widely employed in Russia, where the frequent religious feasts restrict the use of meat. There are three principal varieties cultivated in the czar's territory—one with large white seeds, which are said to yield the most oil; one with smaller black seeds, which are sweeter and considered the best for eating, and an intermediate form with striped seeds, used both for eating and the production of oil.

The sunflower has assumed a greater economic value in Russia than in any other country. Even by the upper classes the seeds are much eaten, the larger and finer ones being equal to most nuts in palatability and wholesomeness. While the poorer and less perfect seeds furnish an oil which is somewhat turbid and bitter, the better ones yield a superior quality that is said to compare favorably with the olive oil of commerce. The stalks and straw of the sunflower are highly prized as fuel, being in some parts of the empire the only available substitute for wood to burn. Sunflower oil seems to have more of the general properties of olive oil than any other known substitute. Of late years, when purified, it has been used extensively to adulterate olive oil. It is of a pale yellowish color and decidedly palatable. In a crude state it is used by painters, but to no very great extent, being mixed with cheap paints and prepared stains, but it does not equal linseed oil for varnish. The cake left after the extraction of the oil by pressure is extremely rich, being equal in this respect to the maize cake or linseed cake. Branches and stalks of the plant are used for fodder and are highly nutritious.

One of the many ways of utilizing the seeds is practiced in the poorer districts of Europe, where a fair kind of bread is made from them. Many cheap cigars are made from the leaves of the plant. When properly cured the leaves make fair wrappers for cigars, and they are employed to a greater extent than is generally thought. Pulverized and used with an equal quantity of tobacco the combination is not so bad for pipe smoking. The sunflower gives a peculiar aroma to the tobacco which is much liked by some smokers. Cheap cigarettes are often adulterated with sunflower leaves. In China the fiber of the stalks, which is fine, silky and very strong, is woven into silk fabrics, and it is believed with the proper machinery it might be utilized with much profit in this country.

It is an interesting fact that the variety of sunflower most grown in this country is called the Russian. Farmers say that nothing fattens chickens so quickly as the seeds of this plant, which seem to encourage hens to lay. Paper has been made from the stalks, but in the treeless region where the sunflower is most extensively grown their highest value is for fuel.

Though the economic value of the sunflower has been but recently a subject of discussion, its aesthetic value has long been recognized. In Kansas the borders of wagon roads and railroads are frequently lined for miles with the blossoms, which in August and September, when the flowers are in full bloom, are a feature of the prairie landscape. These are not the large flowers grown in our gardens for ornamental purposes, but are a smaller variety, which grows wild.—New York Herald.

Nelson's Right Hand.

Nelson's attachment to his friends was as ardent as his courage. When he was presented to King George III. at his levee, his majesty congratulated him on his great actions. After this eulogium he condoled with him on the loss of his arm. Nelson turned around to Captain Berry, who had been the companion of many of his exploits, and introduced him to the king with this remark: "My loss, I assure your majesty, is not so great as you imagine for here is my right hand."

The Morning Astorian prints all the local and telegraph news.

THE MORNING ASTORIAN
QUICK RETURN COLUMNS

The supplying of any want that may arise in domestic or commercial life may be readily and quickly accomplished at a nominal cost by the publication of the want in the "Want Ad." columns of the Morning Astorian.

A necessity which may arise for buying or selling horses, carriages, furuiture, pianos, real estate, sewing machines, bicycles, safes, watches, jewelry, typewriters, or thousands of other articles, can be met at once by the insertion of a suitable advertisement in the morning Astorion.

To secure help of any sort, or situation of any kind, to find lost articles, to secure board or boarders, lodging or lodgers, borrow money, obtain any kind of security; any of these wants may be supplied by using the "Want" columns of The Morning Astorian.

Rates For Classified or "Want" Advertisements

ONE INSERTION ONE CENT A WORD
Count Six Words to a Line.

THREE LINES THREE DAYS, 30 CENTS
20 Cents a line a week.

"SITUATION WANTED"

For the benefit of persons out of em ployment, ads under the head of "Situation Wanted" will be printed three days free of charge.

WANTED.

BRANCH MANAGERS WANTED; $20 cash weekly; live at home; experience unnecessary; no canvassing; enclose stamp for particulars. Aluminum Hanger Co., Chatfield, Minn. 6-5-30t.

WANTED—100 LBS. CLEAN RAGS. Address "C," Astorian Office.

SITUATIONS WANTED.

SITUATION WANTED BY MIDDLE-aged German-American lady, as housekeeper. Enquire "H.," Astorian Office.

LOST AND FOUND.

LOST—BROWN BEAD PURSE; FINDER enquire Astorian Office.

LOST—SILK UMBRELLA. PEARL AND silver handle; initials L. M. W. on handle; $2.00 reward. Return to M. C. Wood, at Foard & Stokes Co. 6-7-3t.

FOUND—A PIECE OF NET IN THE river. Owner apply at De Force Oil Works. tf.

LEFT ON CALLENDER DOCK THE 23D of May, a ladies' silk umbrella. Leave at Astorian office and receive reward. 6-6-3t.

FOR RENT—HOUSES.

NICE ROOMS AND BOARD FOR GENtleman and wife or single.—Enquire Astorian Office. 4-25 tf

$500 FOR 6-ROOM HOUSE; PANTRY, basement; large atic; corner lot; on Seventh street, south; also good single buggy for $12. 6-7-3t.

FOR SALE.

FURNITURE, STOVES, CARPETS, etc., at less than half price you have to pay elsewhere; we also buy and sell everything. Astoria Commission & Auction Co., 365 Commercial street.

MUSIC TEACHER.

WANTED—THREE MUSIC PUPILS. Inquire at Astorian office.

MANDOLIN LESSONS GIVEN—MRS. C. D. Stewart, 127 Seventh street.

B OKERAGE.

C. J. TRENCHARD
Real Estate, Insurance, Commission and Shipping.
CUSTOM HOUSE BROKER.
Office 133 Ninth Street, Next to Justice Office.
ASTORIA, OREGON.

NOTICE FOR PROPOSALS.

CHIEF QUARTERMASTER'S OFFICE, Vancouver Barracks, Wash., May 23, 1906. Sealed proposals, in triplicate, will be received at this office until 11 o'clock a. m., June 10, 1906, and then publicly opened, for the construction of post exchange and bowling alley at Fort Columbia, Wash. Full information will be furnished on application at this office, and at the office of the Quartermaster, Fort Columbia, Wash. The U. S. reserves the right to accept or reject any or all bids or any part thereof. Envelopes containing proposals should be indorsed: "Proposals for gymnasium and bowling alley at Fort Columbia, Wash.," and addressed to the Chief Quartermaster, Vancouver Barracks, Washington.

TREASURY DEPARTMENT, OFFICE of the Supervising Architect, Washington, D. C., May 5, 1906.—Sealed proposals will be received at this office until 3 o'clock p. m. on the 11th day of June, 1906, and then opened, for the construction of a gangway at the Columbia River Quarantine Station, Astoria, Oregon, in accordance with drawings and specification, copies of which may be had at this office or at the office of the Custodian of the Columbia River Quarantine Station, Astoria, Oregon, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,
Supervising Architect.

BUSINESS DIRECTORY

RESTAURANTS.

FIRST-CLASS MEAL for 15c; nice cake, coffee, pie, or doughnuts, 5c, at U. S. Restaurant. 434 Bond St.

Mon Fong Restaurant

Noodles and Chop Suey.

MEALS OF ALL KINDS

OPEN DAY AND NIGHT
74 EIGHTH STREET

BEST 15 CENT MEAL.
You can always find the best 15-cent meal in the city at the Rising Sun Restaurant.
612 CommercialSt.

WOOD YARDS.

WOOD! WOOD! WOOD!
Cord wood, mill wood, box wood, any kind of wood at lowest prices. Kelly, the transfer man. 'Phone 2191 Main, Barn on Twelfth, opposite opera house.

HOTELS

HOTEL PORTLAND

Finest Hotel in the Northwest.
PORTLAND, ORE.

LAUNDRIES.

The Troy Laundry

The only white labor laundry in the city. Does the best work at reasonable prices and is in every way worthy of your patronage.

10th and DUANE Sts., Phone 1991.

HOUSE MOVERS.

FREDRECKSON BROS.—We make a specialty of house moving, carpenters, contractors, general jobbing; prompt attention to all orders. Corner Tenth and Duane streets.

PROFESSIONAL CARDS.

OSTEOPATHISTS.

DR. RHODA C. HICKS
OSTEOPATH
Office Mansell Bld. Phone Black 2065
573 Commercial St., Astoria, Ore.

DENTISTS.

DR. T. L. BALL,
DENTIST.
524 Commercial St Astoria Oreson.

DR. VAUGHAN,
DENTIST
Pythian Building, Astoria, Oregon.

Dr. W. C. LOGAN
DENTIST
78 Commercial St., Shanahan Building

ATTORNEYS AT LAW.

CHAS. H. ABERCROMBIE,
Attorney-at-Law.
General Practitioner, Notary Public.
Rooms 35-36—Phone Main 2951.
Page Block, Cor. Commercial & 12th St.

WINES, LIQUORS AND CIGARS.

THE CHINOOK BAR
416 BOND ST.,
ASTORIA, OREGON
Carries the Finest Line of
Wines, Liquors and Cigars
CALL AND SEE US

THE SAVOY
Popular Concert Hall.
Good music. All are welcome. Corner Seventh and Astor.

New La Tosca
263 ASTOR STREET.

I. N. VANCIL & CO,
CHOICE WINES, LIQUORS AND CIGARS.
Furnished Rooms, Day or Night.
LOGGERS' HOME.
ASTORIA, OREGON.

Eagle Concert Hall
[320 Astor St.]
The leading amusement house.
P. A. PETERSON, Prop

Agency for Edison Phonographs and Gold Moulded Records.

CITY ADVERTISEMENTS.

NOTICE.

Notice is hereby given that the Common Council of the City of Astoria has declared its determination and intention to improve Kensington avenue, from a point 10 feet east of the center line of Eighth street to the west line of Eleventh street, excepting the south half of the street between Eighth and Ninth streets. Said improvement shall be made by grading said street to the established grade to the width of 25 feet through the center thereof.

In maters of detail said improvement shall be constructed according to the plans and specifications therefor to be prepared by the City Surveyor as hereinafter provided and general ordinance No. 1901 and any matter of construction and drainage found necessary to make the improvement safe or substantial shall be done by the contractor whether specified or not, without extra charge.

The City Surveyor has been directed to make and file with the Auditor and Police Judge of the City of Astoria plans and specifications for the construction of said improvement and estimates of the costs and expenses thereof.

That the costs and expenses of constructing said improvement shall be defrayed by special assessment upon the lots, lands and premises benefitted by the same, which said lots, lands and premises are included in the special assessment district including all lots, lands and premises so benefitted to-wit:

Lots 5, 6, 7 and 8 in block 120; lots 5, 6, 7 and 8 in block 119; lots 5, 6, 7 and 8 in block 118; lots 1, 2, 3 and 4 in block 137, and lots 1, 2, 3 and 4 in block 136, all in that part of the City of Astoria, as laid out and recorded by John McClure and extended by Cyrus Olney, in Clatsop County, State of Oregon.

OLOF ANDERSON,
Auditor and Police Judge of the City of Astoria.

NOTICE.

Notice is hereby given that the Common Council of the City of Astoria has declared its determination and intention to improve Grand avenue, from the west line of Eleventh street to the east line of Sixth street on the established grade thereof, and to the full width thereof.

Said improvement shall be made by grading said street to the full width thereof, and to the established grade and by constructing sidewalks 8 feet wide on both sides of said street, and by macadamizing said street from curb to curb, with crushed rock to the depth of 9 niches with the construction of gutters on each side of the street.

All material used shall be good, sound red or yellow fir or lumber, and the decking on the sidewalks shall be two-inch lumber.

In matters of detail said improvement shall be constructed according to the plans and specifications therefor to be prepared by the City Surveyor as hereinafter provided and general ordinance No. 1901 and any matter of construction and drainage found necessary to make the improvement safe or substantial shall be done by the contractor, whether specified or not, without extra charge.

The City Surveyor has been directed to make and file with the Auditor and Police Judge of the City of Astoria, plans and specifications for the construction of said improvement and estimates of the costs and erpenses thereof.

That the costs and expenses of constructing said improvement shall be defrayed by special assessment upon the lots, lands and premises benefitted by the same which said lots, lands and premises are included in the special assessment district including all lots, lands and premises so benefitted to-wit:

Lots 5, 6, 7 and 8 in each of blocks 71, 72, 73, 74 and 75, and lots 1, 2, 3 and 4 in each of blocks 86, 87, 88, 89, 90 all in that part of the City of Astoria as laid out and recorded by John McClure, and extended by Cyrus Olney in Clatsop County, State of Oregon.

OLOF ANDERSON,
Auditor and Police Judge of the City of Astoria.

NOTICE.

Notice is hereby given that the Common Council of the City of Astoria has declared its determination and intention to improve Eleventh street from the south line of Franklin avenue to the north line of Harrison avenue. Said improvement shall be made by grading said street to the established grade with a sub-grade of 9 inches below the established grade, with a 12-inch crown from curb to curb, and by constructing cement sidewalks on both sides of the street, five feet in width, with a 6-inch cement curb, and that a two-foot park space between the property line and the outer edge of the sidewalks, and with a park space of three feet between the inner edge of the sidewalks and the inner edge of the curb, and by filling in and macadaminz said street from gutter to gutter with crushed rock to the depth of 9 inches, with a 12-inch crown in the center.

In matters of detail said improvement shall be constructed according to the plans and specifications therefor to be prepared by the Citp Surveyor as hereintafter provided and general ordinance No. 1901 and any matter of construction and drainage found necessary to make the improvement safe or substantial shall be done by the contractor whether specified or not, without extra charge.

The City Surveyor has been directed to make and file with the Auditor and Police Judge of the City of Astoria, plans and specifications for the construction of said improvement and estimates of the costs and expenses thereof.

That the costs and expenses of constructing said improvement shall be defrayed by special assessment upon the lots, lands and premises benefitted by the same which said lots, lands and premises are included in the special assessment district including all lots, lands and premises so benefitted to-wit:

Lots 1, 2, 3, 12, 13 and 14, and W. 1-2 of lot 4, and W. 1-2 of lot 11 all in block 70; lots 1, 2, 3, 12, 13, 14, W. 1-2 of lot 4, and W. 1-2 of lot 11 in block 91; lots 3, 4, 5 and 6 in block 71, and lots 3, 4, 5 and 6 in block 90, all in that part of the City of Astoria, as laid out and recorded by John McClure and extended by Cyrus Olney, in Clatsop County, State of Oregon.

OLOF ANDERSON,
Auditor and Police Judge of the City of Astoria.

"THE MILWAUKEE"

"Pioneer Limited," St. Paul to Chicago; "Overland Limited," Omaha to Chicago; "Southwest Limited," Kansas City to Chicago.

No train in the service of any railroad in the world equals in equipment that of the Chicago, Milwaukee & St. Paul Ry. They own and operate their own sleeping and dining cars and give their patrons an excellence of service not obtainamle elsewhere.

Berths in their sleepers are longer, higher and wider than in similar cars on any other line. They protect their trains by the Block System. H. S. Rowe, General Agent, 134 Third street, Portland, Ore.

Acute Rheumatism.

Deep tearing or wrenching pains, occasioned by getting wet through; worse when at rest, or on first moving the limbs and in cold or damp weather, is cured quickly by Ballard's Snow Liniment. Oscar Oleson, Gibson City, Ill., writes, Feb. 16, 1902: "A year ago I was troubled with a pain in my back. It soon got so bad I could not bend over. One bottle of Ballard's Snow Liniment cured me." Sold by Hart's drug store.

"PaleBohemian Lager Beer"

THE BEER FOR THE HEALTHY WEALTHY AND WISE

on draught and in bottles

Brewed under sanitary conditions and properly aged right here in Astoria.

North Pacific Brewing Co.
ASTORIA, OREGON.