

**HOPPER FEEDING.**

An Experiment Which Seems to Demonstrate Its Superiority.

An experiment station worker sends some interesting information about a lot of chickens. He says:

"Early in July we had an incubator hatch come off, and the chicks, forty-seven in number, were given to three hens. One, a Brahma, was given twenty, one Orpington hen fifteen and a Barred Rock hen twelve. All were placed on free range. The Brahma was placed on grass and fed nothing but soft food for the first two weeks, the food being equal parts oatmeal, cornmeal and bran, with 25 per cent meat meal. This was fed twice a day and the other two feeds bread and milk. At the end of two weeks we fed two mashas daily, hard grain in morning and sprouted wheat at night.

"The other two hens were put in the middle of a twenty-acre field, and a hopper filled with cracked wheat and cracked corn and coarse beef scraps mixed with the grain was put in each coop. They were only visited twice a week. All the hens were given full liberty after five days, and one result is the cornfield chicks are as wild as partridges; have to crawl up on hands and knees to get even a glimpse of them. Noting that they were growing right away from the others that were hand fed, I went out one evening with a set of small scales and a box to weigh them. The chicks were not selected at all; were just taken from under the hen as I could reach them. Four were weighed from each coop.

Pounds.	Ounces.
4 hand fed chicks weigh.....	0 12
4 hopper fed (with black hen)....	1 12
4 hopper fed (with B. Rock).....	2 6

"What of that as a showing in favor of hopper feeding? The chicks are twenty-six days old. Hopper feeding makes the work twice as easy for poultrymen. We have hoppers here now and have over 1,000 growing youngsters. Since this style of feeding was established here I get up three-quarters of an hour later of a morning and do not have to break my back carrying three or four bushels of wheat at a time to feed in the mornings."

**Some Poultry Evils.**  
George A. Palmer, a prominent English breeder, very truly says:

"The most serious evils of present farm mismanagement are crowding the birds on an acre or two of poultry tainted land just around the homestead that has probably been overstocked with fowl for hundreds of years; in-breeding, which, however useful occasionally in show stock, can only result with utility stock in decreased productiveness, attended by liver disease and tuberculosis; the neglect of pure bred sires, which are just as impressive in the poultry yard as in larger stock; insanitary houses, improper feeding, consisting too often of any odd sack of grain that happens to be about the place or, worse still, solely of purchased corn; the greatest evil of all, setting eggs indiscriminately from the whole flock without the slightest attempt at selection unless it is for the largest eggs, which result in the greatest proportion of infertiles and usually bring out the weakest chickens."

**Feeding For Size.**  
Some may be interested in knowing how we feed for size, says an old breeder. We induce exercise, but feed plentifully and make the diet as varied as possible. Milk, meat, grain and green food form the main basis of our feeding. Skimmed milk at 6 cents per gallon is a cheap food, and we also use quantities of thick sour milk. Practically no corn is fed our young stock until six months old. Bran and middlings are a daily portion of the diet and are kept before the chicks at all times in a dry state, but sometimes we moisten this mixture for a change. Have found whole oats soaked in skim milk a great growth producer, but they should not be fed until chicks reach the age of six weeks. Charcoal, grit and cool water are not forgotten.

**Labor on Poultry Farms**  
The demand for labor on poultry farms is, of course, strictly limited and is confined almost entirely to experienced workers, although on the large establishments a large number of men and women are employed in plucking, dressing and packing, and if this is not skilled labor it is something akin to it and is not the kind of work a person could take to without some experience and practice. There is a good opportunity for young men who are prepared to undergo a thorough training in the management of fancy stock. This branch offers good reward for workers, and progress is made in it entirely through merit. Wages run up to \$30 and board per month.

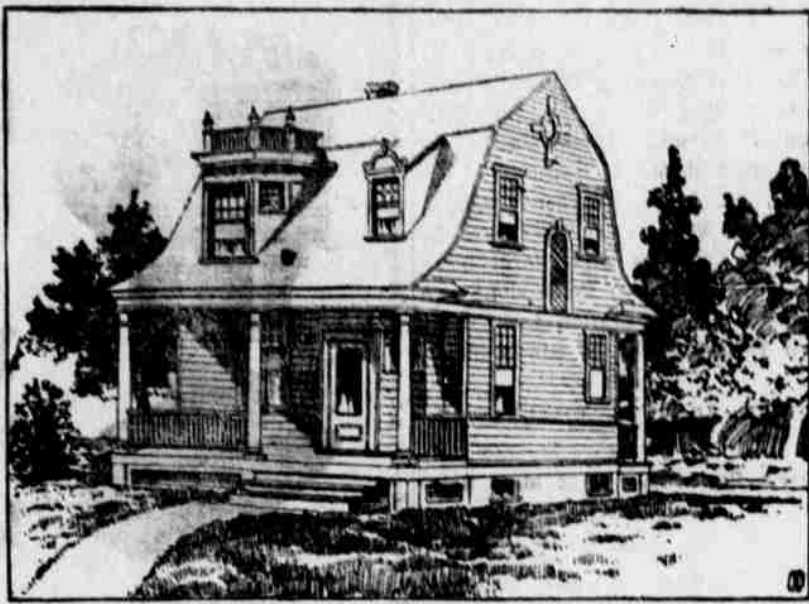
**The Narragansett Turkey.**  
The Narragansett turkey is a native of Rhode Island and Connecticut. It is next to the bronze variety in size, the standard weights being: Cock, 30 pounds; cockerel, 20 pounds; hen, 18 pounds; pullet, 12 pounds. Disqualifying weights: Cock, less than 22 pounds; hen, less than 14 pounds. In plumage color this turkey is black, each feather ending in a broad, light steel gray band edged with black.

Morning Astorian, 60 cents a month. Delivered by carrier.

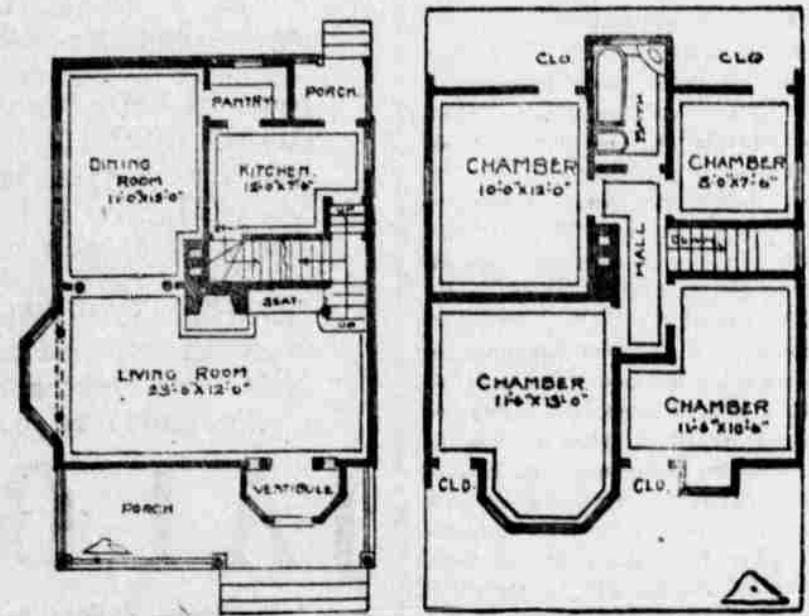
**Artistic Little Cottage.**

It Makes a Very Attractive Summer Residence at a Cost of \$1,500.

Copyright, 1907, by Glenn L. Saxton, Minneapolis, Minn.



PERSPECTIVE VIEW.



This artistic little frame cottage was built as a summer residence near Minneapolis at a cost of \$1,300, exclusive of heat and plumbing. It should not cost over \$1,500 in less favored localities. The striking feature is the large front living room with its open fireplace. It is designed to be finished inside in Norway pine, varnished. There is a small cellar under the kitchen.

GLENN L. SAXTON.

**Cause For Complaint.**  
To cure a severe cold in a fowl, begin treatment with a dose of epsom salts, twenty to thirty grains. For any swelling around the eyes apply melted lard to which has been added a small quantity of kerosene oil. Also give the bird a teaspoonful of this mixture twice a day.



**Forcing For Eggs.**  
Where fowls are given the proper feed and care there will be no occasion to force them for egg production. Where egg forcing feed is given the eggs are seldom fertile.

**Orino Laxative Fruit Syrup** is a new remedy, an improvement on the laxatives of former years, as it does not gripe or nauseate and is pleasant to take. It is guaranteed. T. F. Laurin, Owl Drug Store.

**The Guaranteed Purity of Mennen's Borated Talcum Toilet Powder**

Under the new pure drug law the Mennen Company guarantees every box of Mennen's Toilet Powder supplied to the trade, and each box bears the government serial number 1542, guaranteeing that Mennen's Toilet Powder is made and sold in conformity with the terms of the new law. Doubtless there will still be offered substitutes and imitations described as being "as good as Mennen's." But no one need be deceived by this flimsy excuse for counterfeiting a valuable article. Anyone who has used Mennen's knows that it is absolutely inimitable. There is nothing like it; nothing just as good. To protect purchasers to the utmost, Mennen's Powder is now put up in the "box that fits," a box which cannot be refilled with an inferior substitute. Insist on having Mennen's and only Mennen's as the only protection against imitations and substitutes. Have you tried Mennen's Violet Borated Talcum Toilet Powder? Ladies partial to violet perfume will find Mennen's Violet Talcum fragrant with the odor of fresh-plucked Parma violets. For sale everywhere for 25 cts. By mail, postpaid, on receipt of price. Sample free. GERHARD MENNEN CHEMICAL CO., Newark, N. J. Guaranteed under the Food and Drugs Act, June 30, 1906; Serial No. 1542.

**W. C. LAWS & CO.**

HEATING AND PLUMBING ENGINEERS  
Plans and estimates furnished on application.  
All work done by First-Class Mechanics.

Sheet-Iron, Copper and Tin Work done in a first-class manner, as we do no other work in our shop.

Cures Bilioussness, Sick Headache, Sour Stomach, Torpid Liver and Chronic Constipation. Pleasant to take

**ORINO**  
Laxative Fruit Syrup

Cleanses the system thoroughly and clears sallow complexions of pimples and blotches. It is guaranteed

**CLASSIFIED ADVERTISING.**

**"PHONE IT"**

If you have a want that you wish to advertise step to your nearest phone and "Phone It" to The Astorian. No need of wasting your time walking blocks to do a thing that can be done in your immediate surroundings. Call up Main 661, ask for the want advertisement which is at your service.

**Day or Night**

**HELP WANTED.**

**MALE HELP WANTED—MEN AND** women to learn watchmaking, engraving, jeweler work, optics; easy terms; positions guaranteed; money made learning. Watchmaking-Engraving School, 1426 Fourth avenue, Seattle.

**WANTED—MANAGER FOR CLATSOP,** Columbia and Tillamook Counties. Must have \$100.00 which will soon be refunded. Agents make \$5.00 to \$10.00 per day. Sano Mercantile Co., Portland, Oregon.

**WANTED—COMPETENT GIRL TO** do housework. Call at No. 462 Seventeenth St.

**GIRL TO DO COOKING AND KITCHEN** work in small family; must sleep home.—good wages. 547 Franklin avenue.

**WANTED MEN EVERYWHERE—** Good pay—to distribute circulars Adv. matter, tack signs, etc. No canvassing. National Adv. Bureau, Chicago.

**WANTED—TWO GOOD SUBSCRIPTION** solicitors to work. First class proposition, good pay. Apply Astorian office.

**FOR RENT**

**TWO UNFURNISHED ROOMS FOR** rent—Apply to Gus Savvola, 370, 21st street.

**LOST AND FOUND.**

**LOST—PET CANARY BIRD FROM** 227-10 St. Finder please return and receive reward.

**FOR SALE.**

**FISHING GEAR FOR SALE—SEVERAL** Boats and Nets. Apply to 258 Taylor Street, Uniontown.

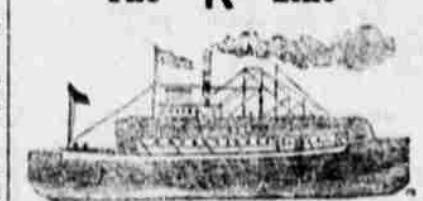
**PROPOSALS.**

**OFFICE OF C. Q. M., VANCOUVER** Barracks, Wash., March 1, 1907. Sealed proposals, in triplicate, will be received here until 11 o'clock, a. m., April 1, 1907, for furnishing fuel, fuel oil, dogfood and mineral oil, at posts in this Department, for the year ending June 30, 1908. Information furnished here or by quartermasters at post. U. S. reserves the right to reject or accept any or all proposals, or any part thereof. Envelopes containing proposals should be marked: "Proposals for—", addressed Sam. R. Jones, C. Q. M.

**PROPOSALS FOR BEEF AND MUTTON—Vancouver Barracks, Wash.,** March 18, 1907. Sealed proposals for furnishing and delivering fresh beef and mutton for six months beginning July 1, 1907, will be received here and at offices of commissaries at Fort Stevens, Ore., Boise Barracks, Idaho; Forts Casey, Columbia, Flieger, Lawton, Walla Walla, Ward, Worden, Wright and Vancouver Barracks, Wash. Until 10 a. m. April 17, 1907 and then opened. Envelopes containing proposals should be indorsed, "Proposals for fresh beef and mutton to be opened April 17, 1907" and addressed to commissary of post to be supplied, or to Lt-Col. George B. Davis, Chief Com's'y.

**MEN AND WOMEN.** Use Big G for unnatural discharges, inflammations, irritations or ulcerations of mucous membranes. Painless, and not astringent or poisonous. Sold by Druggists, or sent in plain wrapper, by express, prepaid, for \$1.50, or 3 bottles \$2.75. Circular sent on request.

**The K' Line**



**Steamer - Lurline**  
Night Boat for Portland and Way Landings.

**PASSENGERS. FREIGHT.**  
Leaves Astoria daily except Sunday at 7 p. m.  
Leaves Portland Daily Except Sunday at 7 a. m.

Quick Service Excellent Meals  
Good Berths.

Landing Astoria Flavel Wharf.  
Landing Portland Foot Taylor St.

**C. M. FOWLER, Agent.**  
Phone Main 2761.

**CANADIAN PACIFIC "EMPRESS" Line** of the Atlantic  
Nothing better afloat than our new express steamers, "Empress of Britain" and "Empress of Ireland" (14,500 tons), Quebec to Liverpool in six days; less than four days at sea. Superior accommodations available. Comfort, elegance and safety. Send for illustrated booklet and sailing list.  
James F. Alyson, Agent Astoria Ore.

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

Telephone 1681 Main. 399 Bond Street.  
**OPEN DAY AND NIGHT**  
**THE ASTORIA RESTAURANT**  
MANG HING, Prop.  
The Finest 25c meal served in Astoria. Your Patronage Solicited.  
Courteous Treatment to All.  
GAME IN SEASON  
ASTORIA, OREGON.

**THE OREGON**  
530-536 Commercial Street, between Eleventh and Twelfth.  
ASTORIA, OREGON.  
MRS. M. NOLAN, Proprietress.  
Rooms Single and Suites.  
Terms, Day, Week or Month.  
Steam Heat, Bath and Telephone.  
Telephone Red 2303.

**BUSINESS DIRECTORY**

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**THE LEYDE.**  
Rooms with or without board; rates reasonable; good accommodation for transients, 14th and Commercial.

**JAPANESE GOODS.**

**INEXPENSIVE**  
JAPANESE FIXINGS, MADE OF BAMBOO, LIGHT, STRONG, HAND-MADE, TABLES, STANDS, CHAIRS, WHAT-NOTS, OCCASIONS, SHELVEING, ETC.

**Yokohama Bazaar**  
625 Commercial St. Astoria.

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

**HOTELS.**

**HOTEL PORTLAND**  
Finest Hotel in the Northwest.  
PORTLAND, ORE.

**LAUNDRIES.**

**BUTTON HOLE AT THE BACK.**

Your experience with it has no doubt led to much vexation, possibly profanity. Broke your fingernail trying to pry it up from the neck-band, eh? You won't have that that experience if you send your shirts to us; we save you this trouble, and danger of tearing the shirt. Try us and see.

**TROY LAUNDRY,**  
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DEPUTY DISTRICT ATTORNEY  
Page Bdg. Room 37.

**HOWARD M. BROWNELL,**  
Attorney-at-Law.  
Office with Mr. J. A. Eakin, at No. 429 Commercial St., Astoria.

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**DR. VAUGHAN,**  
DENTIST  
Pythian Building, Astoria, Oregon.  
**Dr. W. C. LOGAN**  
DENTIST  
Commercial St., Shanahan Build

**WINES, LIQUORS AND CIGARS.**

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

**Eagle Concert Hall**  
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The leading amusement house. Agency for Edison Phonographs and Gold Moulded Records.  
P. A. PETERSON, Prop

**First Class Meal 15c**  
Coffee with Pie, Cake or Doughnuts 10 cents.

**U. S. RESTAURANT**  
434 Bond Street.