POULTRY DEPARTMENT

PROTEIN THE MOST IMPORTANT PORTION OF RATION

By Thomas J. Keenan.

The importance of protein in the ration is readily apparent when it is understood that no other food ingredient can possibly replace the delicate tissues of the body which are constantly being destroyed by every movement of the fowl. Protein can replace carbohydrates in the ration, the functions of which are to produce bodily heat, energy and fat; but carbohydrates cannot replace protein. However, it must be remembered that while protein can be used as a fuel for the body it would be uneconomical to do so, to say nothing about the effect upon the health of the fowls in feeding such a ration.

Protein is not the name of any single substance, but for a large group of substances that have certain characteristics in common, the most important of which is that they all contain a goodly supply of the element nitrogen. For this reason these substances are also known as nitrogenous materials. The most important protein substances found in the fowl's body are lean meat, all kinds of tendons, nerves, skin and brain in addition to which, the white of the egg is almost pure protein.

As the nitrogenous foods are the source of flesh formation, it would appear that the greater amount of protein fed, the greater would be the growth and weight of the fowl. However, this is true only up to a certain limit, for the reason that when the feeding of protein becomes greater than the requirements, the elimination or waste also increases. The need of a full supply of protein is generally conceded, but that there is a limit to the quantity which can be economically used is overlooked by many poultrymen. The excessive use of this element will increase the cost of the ration from 25 to 50 cents a hundredweight and will not increase the production of meat and eggs, but to the contrary will work as a detriment by putting the hens out of commission after a season's laying.

The fact that fowls when fed a high protein ration, void large quantities of undigested protein, led to experiment along these lines to determine how much protein could be placed in the ration without waste, with the result that the general consensus of expert opinion allows a range of from 10 to 15 per cent when there is a full supply of the other nutrients. As it is impossible to have all the protein digested, a ration made up of grain, feeds and meats carrying 15 per cent protein as a maximum, will produce eggs economically with less strain on the hen, while a higher percentage tends to enrich the manure pile rather than fill the egg basket, and while manure is a valuable by-product, the increase in price of the ration would be out of all proportion to the grain in fertilizing element in the manure.

Ordinarily the feed rations of most farmers are deficient in protein, since most of the farm grown foods (aside from the leguminous crops) are deficient in the supply of this substance. Corn, wheat, oats and similar grains contain the elements that produce the yolk of the egg and provide the hen with heat and energy, but they are lacking in the protein elements that form the white of the egg, thereby necessitating the addition to the laying ration of something besides grain. Skim milk, meat scraps, ground bone and fish scraps are rich in protein content, and one or more of these materials must be provided during the season of the year when free range conditions do not provide bugs, worms and things of kindred nature.

Housing and Care Of Belgian Hares

By L. F. Saunders.

There are many novel varieties of rabbitries, from the Coal Cellar, to the more ostentatious buildings designed for fanciers. If you are lucky enough to have a disused outhouse or stable there will be little expense in building. The hutches can be made single or uniform size, or in tiers of two or three, according to height, those built in tiers are recommended. Allow me to state, here if the rabbitry is situated in a stable the whole of the building should be used, fumes rising from horses, or cattle, not only make it very difficult to keep the rabbit in good coat, but is positively dangerous.

Belgians need more room than most other varieties, owing to their restlessness and the exercise required to produce the long slender shape.

Without question the open front hutches are the correct thing. A point which makes a rabbitry not only pleasant to its owner, but also impressive to visitors is uniformity.

For general purposes, hutches should be made as follows, in tiers of three, six feet in length, two feet two inches wide and 20 inches deep. The floor should have a two inch slope from each end to the center at which point insert a 14-inch piece of inch mesh wire, for convenience of cleaning, this can be made stationary or in a frame to slide out.

In case of shortage in room a partition can be put through the center and two nice breeding hutches made. When used for young or exhibition stock, a hurdle should be put across the center for them to jump over.

The most convenient door is the sliding door and should be made of one-inch mesh wire with one or two inch frames.

To make a good outside hutch at little cost, purchase a piano case, cut off the backs as follows: Do not force off the boards but cut one inch from top and one inch from bottom, divide down the center and you have two folding doors. When placing in the partitions place them three inches back from the front of case, it will afford five good hutches, allowing the top deck full length of case for youngsters and four hutches underneath for breeding hutches. Make the doors of two-inch frames with wire mesh fronts. Cover the top, leaving a few inches on top to overlap each edge to prevent rain beating down side and front. Paint it white, instead of black, as some advise white throws off the rays of the sun.

Raising Squabs For the Market

By H. Denlinger.

In practically all cases pigeons intended for raising marketable squabs are kept in confinement in warm, but well ventilated, lofts or houses. These will run about 10 to 12 feet square, with outside flies, where the pigeons may get sunlight and exercise. Tiers of orange boxes are arranged along the inside walls, and in these the old birds build their nests and rear the young. The feeding of the old birds during this time is most important. Nothing but the soundest and sweetest grains can be used. Hard milling wheat, freshly ground corn, kaffir corn, Canada field peas and German hemp seed are among the grains commonly used. Plenty of fresh water must be provided with charcoal, grit and ground shell. Lettuce for green feed during the open season should be supplied.

The old birds feed the squabs from the time they are hatched until they are ready for market at four weeks of age. At first the little birds are fed a milky secretion, or preparation which comes from the crop of the old bird, and is called "pigeon milk." This milk gradually thickens as the little squabs grow older, until at length they are fed the clear grain and water, at the age of about three or four weeks.

If the old birds are properly supported with the right kind of grain and other accessories, the squabs will be plump and round and weigh on an average 11 to 16 ounces each when dressed.

The fact that squabs require such careful attention and feeding to bring them out, makes them cost a little more than some other classes of poultry, but the price is by no means prohibitive, especially in the summer season. They ought to get into more dinner parties and could be used more in hospitals and sick rooms to the decided advantage of the patients. Leading physicians and scientists have declared that there is more of that lifegiving property called "protoplasm" in the squab than in any other fowl, and for this reason, and because the squab is so easily digested, it has been highly recommended for the sick and convalescent, especially in cases of anaemia.

Oregon College Hens Are Great Layers

Fifty hens at the Oregon station have a year's laying record of 10,650 eggs, an average of 213 eggs per hen. On the basis of a full year's laying, beginning with the first eggs laid by each hen, the average will be about 220 eggs per hen. The best ten of the 50 hens averaged 255 eggs each.

These results show clearly that by proper methods of breeding and care such as are easily within the reach of the poultry keeper, the egg production of the country could be doubled. The general average production is about 80 eggs per hen, and by proper selection and management may be brought to twice that number.

Distance records are likewise encouraging. One of the station hens has maintained slightly more than the 200 per year average for four years, having laid 819 eggs during that time. The college hen C521 that broke the world's record last year by laying 303 eggs in a year has this year broken the two-year record by increasing the total for the two years to 505 eggs. There is no known two-year record equaling this anywhere, and for sustained laying it is fully as important as the 300-egg record for one year. Her earlier record has not been reached, either at the college or elsewhere, so far as reported, and it will probably stand for another year.

The highest record made this year at the international egg-laying contest at the Connecticut Agricultural college was an average of 208.8 eggs per hen. This splendid average was secured from ten hens as against 50 in the Oregon station flock. There were 800 fowls entered in the contest, among them being representatives of the famous English flock of Tom Barron. The highest individual record of the 800 hens was 263 eggs, which is surpassed by six hens out of 550 at the college.

QUESTIONS ANSWERED

Jaundice in Hens.

To the Editor—The droppings of my old hens are white and watery, and when they get sick their combs turn yellow, they will neither eat nor drink, though they will live a month if I stuff feed down their throats.

E. E. S.

This is caused by a diseased condition of the liver and gall, particularly the latter. Authorities have recommended purging the bird by giving one half to one grain of aloes in a little water and a complete change of feed, giving as much variety as possible. An over-fat condition and a long continued feeding of a simple ration have a tendency to bring on this trouble.

Chicken Trouble.

To the Editor—Can you tell me what to do for my hens? They break out in sores on the head and mouth and eyes. Am feeding corn chop only.

E. A. K.

Perhaps they scratch in musty or moldy straw and litter and the mold spores cause the trouble, or add to it. Corn chop alone is not a suitable feed for hens; they ought to have some wheat or wheat products with it. Also, green feed. Keep chicken house clean and free from vermin. Bathe the sores with a teaspoonful of creolin in a pint of water. Treat them every other day until better, then less often. A little vaseline may be applied after treatment.

Cause of Poor Hatches.

The cause of poor hatches is a much discussed question, which depends on a great variety of circumstances. A poor hatch is more apt to be due to the condition of the eggs previous to hatching than to incubation, although improper handling of either factor will produce the same results. When eggs fail to hatch, see whether the breeding stock is kept under conditions which tend to produce strong, fertile germs in the eggs, if the eggs have been handled properly before incubation, and whether the conditions were right during incubation, as judged by the time of the hatch.

A daily temperature record should be kept of each machine. The operator can thus compare the temperature at which the machines have been kept, which may prove valuable in the future work, especially if the brooder records can be checked back against those of the incubator.

Hens Eat Stone Coal.

To the Editor—Is stone coal beneficial to hens, or does it in any way prevent their laying? My hens look well, but have not laid for some time and have had free run to the stone coal. I notice they have eaten a great deal of it.

B. B.

Stone coal is not injurious to poultry and will not prevent their laying. They eat it for grit. Pure clean gravel or crushed granite, that can be purchased at seed stores, is the best grit for poultry. Keep plenty of granite and oyster shell before them and they will not eat the coal.

Soft Shelled Eggs.

When fowls produce deformed or soft shelled eggs they should have all stimulating food withheld from them for a time. Hard grain should take the place of soft food and some Epsom salts, about a teaspoonful, added to every pint of drinking water supplied until a cure is effected. If narrow perches are used, replace them with wider ones.

This Is Some Egg.

Tangent, Or., March 3.—To the Editor—I have a Brown Leghorn hen 2 years old that has laid an egg measuring 6⅛ by 7⅝ inches in circumference.

MRS. A. R. HATHAWAY.

Healthy Fowls Pay.

In breeding for eggs, the main requirement is first class, healthy, vigorous stock. Such fowls, well managed and properly fed can not help but produce eggs. We must have vitality and constitutional vigor in fowls that are to be any good as egg machines or as breeders. Only first class stock should be kept for such purposes.

Teaching Poultry In the Schools

The basic principles of poultry culture have been more or less a feature in institutions of learning in this country, and especially in the agricultural colleges and industrial schools, it has remained, however, for Idaho to institute poultry clubs in the public schools, and just now some effort is being made for district poultry shows to be given under the auspices of these clubs, with a "round-up" exhibition for each county, at which the winning birds from the district or local show are eligible, which in turn again sends its blue ribboners to a state show. By the law of elimination only the best birds will thus find a place. Hence to win at the state fuctions will mean an honor worth having. The boys and girls who are in these clubs are being given practical instruction in the work that most of them will follow in after life, hence Idaho is creating a race of poultry fanciers who will be heard from when they have grown to be men and women.

Poultry Don'ts.

Don't keep the mongrel stock.

Don't hatch your next winter's layers after June 1.

Don't allow the male birds with the flock after you are through hatching.

Don't compel the hens to make their nests in the weeds and under the buildings. Provide one nest for every four hens.

Don't allow the nests to become filthy.

Don't set hens where other hens can lay in the same nest.

Don't wait till ready to go to town before gathering eggs.

Don't keep eggs in a damp place.

Don't keep eggs in a kitchen or near a fire of any kind.

Don't sell eggs that have been gathered from a stolen nest. Such eggs should be used at home.

Don't wash eggs.

Don't expose eggs to the sun's rays when taking them to town.

Don't sell eggs case count, but demand that your eggs be candled.

Don't hold eggs over three days in warm weather.

Don't market eggs that have been in the incubator.

Don't keep eggs in a tight vessel of any kind.

Don't market small or dirty eggs. Use them at home.

Don't keep eggs near oil, onions, etc., as they readily absorb odors.

Table Scraps.

The value of table scraps in feeding small flocks cannot be overstimated. Many of the phenomenal egg records made with bunches of a dozen to 25 hens have been made possible by reason of feeding liberally with table scraps—bits of meat, gristle or fat, skins of baked potatoes, bits of bread, leaves and tough ends of celery, and all such fragments that remain after a meal. Such feed, chopped fine in an ordinary food chopper, and mixed with a well balanced dry mash, cannot be beaten for forcing egg production in small flocks.

Buy Near Home.

If you decide to depend on birds then buy from someone as near home as possible. We have had some very good hatches from eggs shipped several hundred miles and again we have had some very poor ones from the shipped eggs.

Guide to Feeding.

If chickens do not show signs of hunger and appear listless when the operator enters the brooder house or yard it is a good indication that too much food is being given them or that they lack exercise necessary to good digestion and assimilation of the food.

SHORT STORIES TELL DELAYED NEWS

Resume of the Events of Friday Afternoon and Night Paragraphed for Quick Digestion by Journal Readers.

Pacific Coast.

More than 100 representatives of organized and unorganized labor and women's clubs appeared before Governor Johnson at San Francisco, to appeal for a pardon for Richard "Blackie" Ford and Herman Suhr, serving life terms in Folsom prison for alleged murder in connection with the Wheatland hopfield riots in August, 1913.

Five of the 11 boys who participated in Wednesday night's break from the Preston school of industry at Ione have been captured. The other six are still at liberty. A posse of 14 officers from the state institution, aided by officers of Amador, Calaveras, El Dorado, Sacramento and San Joaquin counties are scouring the country looking for the remaining six.

Posses from the sheriff's office of Alameda county, Cal., are searching the hills in the lower part of the county for Peter Tosti, cattle thief and escaped convict from San Quentin, who is reported to have returned to his old haunts.

While performing a serious operation on a patient at San Francisco Dr. Henry H. Harp, a pioneer San Francisco physician, dropped dead of heart disease.

Revenging herself for alleged slanderous remarks she attributes to Erick H. Lurchs, business manager of the Germania, a newspaper, Mrs. Richard Fast horsewhipped Kurchs before a roomful of people in the newspaper office at Los Angeles. Lurchs swore to a complaint charging Mrs. Fast with battery.

Police of San Francisco and officials of the Pacific Navigation company are completely mystified at the disappearance of H. S. Fraser, believed to be a wealthy resident of San Diego, who was missing when the steamer Yale arrived at that city. An investigation has been started and it is said that foul play is feared.

Refusing to give any reason of her act, Mrs. Anna Myller of Los Angeles, shot herself in the abdomen and is dying at the Central Emergency hospital. Mrs. Myller registered at the Hotel Turpin February 27. Pawn tickets for diamonds and a watch, together with a life insurance policy for $1000 in favor of her daughter, Helen Myller of Buccaunan, Mich., were found.

More than 1,000,000 persons have seen the Panama-Pacific exposition, it was announced by Frank Burt, director of concessions and admissions.

One dead, two seriously injured and ten suffering injuries of more or less seriousness, is a total of a railroad wreck which occurred on the Santa Fe at Elsinor, Cal. The dead: E. Broderick, Los Angeles; fatally injured, Conductor W. Haynes; unidentified woman.

Frank Williamson, 28, of Huntington Park, Cal., was fatally injured and Miss Bess Hartman, 26, was seriously hurt when a Salt Lake railroad train crashed into their motorcycle at Bell station.

Eastern.

Charles D. Hilles, chairman of the Republican national committee, presided at a secret conference at New York of Republican leaders. Among those present were Henry Joy of the Packard Motor company, William N. Wood of the American Woolen company, and John R. Grundy, a woolen manufacturer of Philadelphia.

The state comptroller of New York began an investigation of the New York commission to the Panama-Pacific exposition at San Francisco. The comptroller wants to know what has been done with $350,000 spent by the commission.

Coroner Phelan was a witness at the trial at Bridgeport, Conn., of Mrs. Helen Angle, charged with the murder of Waldo R. Ballou, millionaire clubman, whose battered body was found in front of her fashionable apartments in Stamford several months ago.

Investigation was in progress of four fires at Kansas City last night in barns at the local stockyards in which 400 mules and horses purchased by the British government were sheltered. None of the fires did any material damage.

The federal grand jury summoned Congressman Joseph Cannon before it and told him that an investigation led it to believe there was no ground to charges of fraudulent voting at the election last November.

Judge Swann of New York postponed until Monday the hearing of the pleas of Frank Abarno and Charles Carbone, indicted for attempting to dynamite St. Patrick's cathedral. Meantime he will investigate the charge made by the two men that they were made the victims of a police "frame-up."

Executive.

The international situation was canvassed by President Wilson and his cabinet. While the cabinet members were reticent, an air of optimism prevailed, and it was stated that it had been decided there was no need for immediate action on any phase of the situation. The next move, it was said, is up to England.

Rumors that there were developments in the direction of peace were again circulated in diplomatic circles in Washington. Diligent inquiry, however, failed to reveal any known basis for them.

Preliminary meeting of the Rural Credits commission authorized by congress has been called by Senator Gore.

RAILROAD NEWS

Traffic to the Exposition Is Said to Far Exceed the Expectations.

Train Service Increased.

Indications that the expected heavy travel from the east to this coast induced by the expositions has already begun to exceed expectations are conveyed in information just received by H. E. Vernon, general agent of the Santa Fe. That road's California Limited, which usually runs in two sections daily in January and part of February, was run in eight sections on March 1, with the opening of the reduced fare season. Five sections were run March 2 and four March 3.

Many Retired on Pension.

Fifty-five veteran employes of the Pennsylvania railroad lines were retired on pension February 1, according to a bulletin just received by J. S. Campbell, agent for the system in Portland. Five of these had served continuously for more than 50 years.

Strandborg Receives Presents.

After W. P. Strandborg was appointed publicity agent for the Portland Railway, Light & Power company, he received many congratulatory letters and tokens. Perhaps the most unique of these was a dozen eggs. A woman whom the Order of Muts had helped during a period of temporary distress sent the eggs to Strandborg with the explanation that she had no flowers and that flowers were more suitable for mortuary purposes than for a time of such rejoicing, anyway. Mr. and Mrs. Strandborg have been breakfasting in luxury ever since.

A. B. Jackson, general agent of the North Bank and Burlington roads at Spokane, was in Portland today on his way home from a two weeks' vacation at San Francisco. He is accompanied by Mrs. Jackson. This is the first vacation the Spokane official has taken in 12 years.

L. C. Gilman, president of the North Bank road and the Great Northern Steamship company, is on his way home from San Francisco, where he welcomed the steamer Great Northern on its arrival from Honolulu.

President Franklin T. Griffith and Vice-President F. I. Fuller of the Portland Railway, Light & Power company went to Mount Angel today to participate in the golden spike celebration marking the completion of the Willamette Valley Southern into its southern terminus. The traction company's interest in the event is primarily through its guarantee of the bond issue which allowed the completion of the line southward from Oregon City. Traffic arrangements also bind the two companies together, the business originating on the new line mostly going out over the P. R., L. & P.

The Portland Transportation club will have a "ladies' night" program at its club rooms in the Multnomah hotel next Tuesday night.

N. Olness, a moving picture producer of Portland, has arranged to bring a troupe of actors from San Francisco on board the steamer Great Northern, arriving March 16, for a series of photoplays in which the new vessel will be the background. The films will include also the celebration at Astoria and Flavel.

New Orleans has 49 groceries run on a profit-sharing basis.

Vital Statistics
Marriages, Births, Deaths.

MARRIAGE LICENSES

Charles F. Greenberg, San Francisco, Cal., legal, and Eugenia Olsen, St. Johns, legal.
Van Scott Barbour, 141 Russell st., 21, and Daisy Hansen, 357 E. 75th st. N., 18.
Tyrrell Dreyer, New Grand hotel, 24, and Johanna Fransted, 222 Lovejoy st., 27.
Firman Smith, Rainier hotel, legal, and Bessie Dewey, Rainier hotel, legal.

W. G. Smith & Co. Wedding and Visiting cards. Third floor, Morgan bldg.

DRESS suits for rent, all sizes. Unique Tailoring Co., 309 Stark st.

BIRTHS

CLEVELAND—To Mr. and Mrs. Charles E. Cleveland, 569 East Fifty-ninth street, North, February 9, a son.
FELLNER—To Mr. and Mrs. John Fellner, 732½ Fourth street, March 2, a daughter.
JORGESON—To Mr. and Mrs. Charles C. Jorgenson, 771 Missouri avenue, February 23, a son.
LAGSTRUAD—To Mr. and Mrs. Samuel E. Backstruad, 423 Flint st., February 17, a daughter.
DALY—To Mr. and Mrs. John F. Daly, 625 Haley st., February 25, a son.
NEWTON—To Mr. and Mrs. Earl D. Newton, 260 Graham ave., February 3, a son.
BECKHAM—To Mr. and Mrs. Julius B. Beckham, 293 Sacramento st., February 18, a son.
SCOTT—To Mr. and Mrs. Bennett E. Scott, 762 Michigan ave., February 22, a daughter.
DOLLAR—To Mr. and Mrs. Smith L. Dollar, 1217 First st., February 23, a daughter.
BELL—To Mr. and Mrs. Ole Bell, 486 E. 12th st., February 25, a son.
SOUDERS—To Mr. and Mrs. Thomas R. Souders, Kendall, February 27, a daughter.
MOORMAN—To Mr. and Mrs. Wm. Moorman, 409 Morris st., March 3, a son.
SCOTT—To Mr. and Mrs. James S. Scott, 883 DePauw st., March 3, a son.

DEATHS AND FUNERALS 75

THOMPSON—In this city March 5, 1915, Hattie Mae Thompson, aged 22 years, beloved daughter of Mr. and Mrs. Nels Thompson, 397 Monroe st., sister of Mrs. Nellie Krueger and Grace Thompson. Funeral services will be conducted tomorrow (Sunday), March 7, at 2 p. m., from Pearson's undertaking parlors. Friends and acquaintances respectfully invited. Interment family plot Riverview cemetery, Los Angeles, Cal., papers please copy.

TAYLOR—The funeral services of the late Robert A. Taylor will be held Sunday, March 7, at 2:30 o'clock p. m., at the residence establishment of J. P. Finley & Son, Montgomery at 6th. Friends invited. Interment at Mt. Scott Park cemetery.

TRUE—In this city, March 4, John B. True, aged 65 years 8 months 21 days. The funeral services will be held at Holman's funeral parlors, at 2 p. m. tomorrow (Sunday), March 7, instead of Saturday as previously announced. Interment Lone Fir cemetery.

WATZ—On March 5, Florence Watz, aged 26 years, beloved wife of Karl Watz of Carson Heights. Announcement of funeral later.

SOMMERS—In this city, March 5, Alfred H. Sommers, aged 21 years, of 430 East Yamhill st. Announcement of funeral later.

NICK—Samson Nick, Baby home, March 1, 52 days; broncho-pneumonia.

BODLEY—Charles E. Bodley, 1330 Williams ave., March 3, 32 years; syringomyelia.

BURELBACH—Johanna Burelbach, Mt. View sanitarium, March 2, 36 years; maniachal exhaustion.

BROUSE—Alfred H. Brouse, 732 E. 59th st., March 2, 62 years; chronic nephritis.

MARTIN & FORBES CO., florists, 247 Wash. Main 269, A-1269. Flowers for all occasions artistically arranged.

CLARKE BROS., florists, fine flowers and floral designs. 287 Morrison st.

CLARK'S Flower Shop—Funeral designs, flowers. 420 Wash. Main 3771.

FUNERAL DIRECTORS

A. D. KENWORTHY & CO. Calls promptly answered in all parts of city. I. O. O. F. bldg., Lents. Tabor 5267.

PEARSON Undertakers. East 1050. 269-271 Russell st.

F. L. LERCH, leading east side undertaker, E. 11th & Clay. B-1883, E. 731.

SKEWES Undertaking Co. Main 4152, A-2221. Cor. 3d and Clay.

ERICSON RESIDENCE UND. PLS. M. 6133, A-2235. 445 Mrs.

Hamilton E. 80th and Glisan. Funeral services. Tabor 4313.

R. T. Byrne Williams and Knott. East 1115, C-1943.

FUNERAL DIRECTORS (Continued)

A splendid residence undertaking establishment, with private driveway. J. P. FINLEY & SON, Montgomery at Fifth.

MR. EDWARD HOLMAN, the leading funeral director, 220 3d st., corner Salmon. Lady assistant. Phones A-1511, Main 507.

F. S. Dunning, Inc. East Side Funeral Directors. 414 East Alder sts. East 52, B-2525.

Dunning & McEntee Undertakers. Modern in every detail. 7th and Pine. Main 430, A-4558. Lady assistant.

Chambers Co. Killingsworth ave. and Kerby. Woodlawn 3306, C-1133. Lady embalmer.

A. R. Zeller Co. 592 Williams ave. East 1088, C-1088. Lady attendant. Day and night service.

Walter C. Kenworthy 1533-1534 E. 13th. Sellwood 71, B-1122.

MONUMENTS

PORTLAND MARBLE WKS. 264-266 4th st., opp city hall. M 5564, A-1514.

BUSINESS PROPERTY 66

SACRIFICE business property, also stock of groceries and furniture of 8 housekeeping rooms; $2500 cash and $2500 in trade or mortgage at 6%. Owner, 310 West 8th st., Vancouver, Wash.

GENERAL REAL ESTATE 62

FOR SALE—1 acre with water and 2 room house, near car. Phone B-1697 or Tabor 270.

FOR SALE—HOUSES 61

Chance of a Lifetime

5 room modern bungalow, worth $2400. If sold this week can be had for the RIDICULOUSLY LOW PRICE OF $1875.
The owner is forced to sell at once. 50x100 lot, sewer and street impts. In. House is brand new, never lived in; attractive terms.
LOCATED AT 936 EAST 18TH ST. N.
Irvington Car to Prescott st.
Owner there daily.

WHY PAY RENT
When you can own a new, modern home in one of the choicest districts of Portland; an especially attractive 6 room house, sleeping porch, bath, fireplace, all built-ins, hot and cold water in bedrooms, hardwood floors, cement basement, close to Peninsula park. I will sell you this on monthly installments like rent if desired. Phone Main 1028.

ROSE CITY PARK HOMES
Deal direct with the owners, the original platters of this beautiful part of Portland. Call on our realty department, cor. 4th and Stark.
—HARTMAN & THOMPSON—

HAVE YOU ONE HUNDRED DOLLARS?
If you have, I will sell you a dandy little home of 5 rooms in good district, close to car line. House has modern conveniences, such as fireplace, buffet, Dutch kitchen, electric lights, window shades and everything needed. Price $2150. Payments, $21.50 a month. Call mornings and evenings. Tabor 3983.

Best in Richmond
New 8 room house, 1140 Clinton st., full cement basement, furnace, fireplace, oak floors, fixtures, shades, everything built in, hardsurface streets, all double constructed, plate glass windows, large attic. For price and terms, phone owner, Tabor 3449.

A Bargain
6 room modern bungalow; 3 more rooms can be put in attic. Double constructed throughout. Cost over $3000 to build. Lot 50 by 100. Paved street. On carline. Price $3800. 216 Panama bldg.

TWO bungalows, $1950; new and modern, Dutch kitchen, electricity, bath, patent toilet, large corner lot, block and one half to car; the actual cost. This gives a home and an income. Phone Tabor 5415.

HOME FOR THE OLD FOLKS, $850.
Two lots, 5 room house, all fenced, large bearing fruit trees, berry bushes, on the peninsula; $25 down, $10 monthly. Fred W. German Co., 914 Chamber of Commerce.

SNAP.
4 room, modern bungalow, corner lot, near car, 20 minutes out. Terms. $1600. Inquire 1602 E. Hoyt. R. H. Drake. Phone Tabor 6330.

ATTRACTIVE, new, modern 8 room house, cor. E. 46th and Thompson sts. Block north of car. Open Saturday and Sunday afternoon. Owner. Main 4326.

LET US BUILD YOU A HOME
On your lot or ours; by your own plans or ours; pay us like rent.
THE OREGON HOME-BUILDERS.
1330 Northwestern Bank Bldg.

ROSE CITY PARK BARGAIN.
New 5 room bungalow, hardwood floors, Dutch kitchen, cement basement, modern throughout. See owner, 518 E. 45th st., N.

$20 down, $15 monthly, including interest. Modern 5 room house, large attic, ¼ acre land. 6653 82d st., S. E. $2000. Tabor 2984.

FOR SALE—1¼ acres of land, 4 room bungalow, modern, bath, fireplace, near Rigler station, Oregon City carline. Phone Oak Grove, 1-J.

BIG BARGAIN.
New bungalow, modern throughout, Rose City Park. $2100. By owner. Tabor 2564.

FOR SALE, CHEAP—Partly furnished cottage, etc., 2 large lots. 1025 E. 30th N., near Alberta.

NEW modern house, never occupied, 31st and Yamhill, block Sunnyside car. Tabor 3199.

$50 CASH, BALANCE LIKE RENT.
New, modern 5 room bungalow. Close to car. Owner, Sellwood 2204.

SNAP FOR CASH.
Modern 5 room bungalow. Owner, Sellwood 2204.

IRVINGTON home, 6 rooms, modern, for sale reasonable; 637 E. 11th. N.

FOR SALE—LOTS 16

ROSE CITY PARK LOTS.
Deal direct with the owners, the original platters of this beautiful part of Portland. Call on our realty department, cor. 4th and Stark.
—HARTMAN & THOMPSON—

$3000 CASH for ½ block in Rose City Park, 2 corners and 6 inside lots, 50x105 feet. Must sell at once. Phone C-3218.

BUY from owner, lots 8-9, block 80, Rose City Park, 80x100 ft., $750 cash. M-350, Journal.

I HAVE a good lot for sale cheap. U-405, Journal.

TWO Riverview lots cheap for cash. 216 Panama bldg.

LOT on St. Johns carline cheap. Box 96, Camas, Wash.

ACREAGE 57

FOR SALE—10 acres, part in cultivation, bal. mostly in grass. Good house, barn, hen and hog house, well, bearing orchard and small fruit. ½ mile from school, 3 miles from electric station. $1600, $600 cash, bal. at 6 per cent. This includes 1 mare, cow, chickens and household furniture. P-113, Journal.

CHICKEN and fruit ranches near Portland; Gresham district, electric station ½ mile. New subdivision. Sunshine Valley orchard tracts; best soil, free wood; elegant location. Prices only $75 to $150 per acre in small tracts; easy terms. Frank McFarland Realty Co., 309 Yeon bldg., Portland, Or.

Gibson Half Acres
Good soil, city water, close to carline, easy terms; will build to suit purchaser. Phone Marshall 1585 or Sellwood 476. John H. Gibson, owner.

LAND BARGAINS.
20 acres, near Rainier, all tillable, $750, $100 cash, bal. 6 per cent.
40 acres, near Ridgefield, good black soil, $2500; easy terms, $500 cash.
NELSON BROS., Lewis Bldg. M. 7591.

ONIONS CELERY ASPARAGUS
A beautiful 2 acre tract, over ½ cleared, nice building spot with trees, near Tigard; $675; $100 down, $12.50 per month, including interest. Fred W. German Co., 914 Chamb. of Com.

$150 CASH.
5 acres, part in cultivation, bal. easily cleared, $150 cash, bal. to suit. Security Development Co., cor. 4th and Pine sts.

FOR SALE—4 acres of land, 4½ miles east of Vancouver, Wash., on Mill Plain road. Price $75 per acre; part time. J. H. Roe, Route 4, Box 64, Vancouver, Wash.

IF you desire to buy, sell or exchange property between Milwaukie and Oregon City, call or write Milwaukie & Suburban Realty Co., Milwaukie, Or.

5 ACRES on car line, with creek, fine garden truck soil; $150 cash, balance $10 per month. Security Dev. Co., 4th and Pine sts.

$5 MONTHLY—$0 by 200 in cultivation; with new house; $650. A. C. Maresteen, 202 Wilcox bldg. Main 3517. Tabor 1770.

53 ACRES, best of land, Willamina, 3 miles; Sheridan, 5. No waste land. $45 per acre. Linn Jones, Sheridan, Or.

SUBURBAN ACREAGE 76

FOR sale or trade, 2½ acres, fenced, cultivated and in fruit, new 8 room house, 6 finished, furnished if desired, good well and outbuildings, close to station. Oregon Electric, 25 minutes from city. Want 30 to 40 acres with house, barn, etc. Bangs, 147½ N. 6th st.

FOR SALE—FARMS 17

BACK OF VANCOUVER
120 acres, $17 per acre, 7 acres cleared, 4 room house, small barn, chicken house, smoke house, etc., nearly all tillable; chickens and small tools go with the place; 1¼ miles to the railroad, price for the entire place, $2000, $500 cash, balance 3 to 5 years, 6%. You know what will happen when completion of the bridge, and you will have to hurry to get this one. Fred W. German Co., 914 Cham. of Com.

HERE'S a bargain: 40 acres, 16 in cultivation, 2 acres bearing orchard, new house, barn and outbuildings, stock and farm implements, $2700; no trades. Further particulars, write Box 95, Gates, Or.

122 acres, 18 miles from Portland, partly cleared. House, barn, good spring. $3000 cash, balance terms. Lewis, 151 Grand ave., N.

TO avoid foreclosure, will sell 160 acres for $8 per acre; improved 75 acre farm, city limits of Vancouver. $100 per acre. B-380, Journal.

WHEN you answer these Want Ads, mention The Journal.

FOR RENT—FARMS 14

$10 PER MONTH—Four acres, all kinds of small fruit, 5 room house, party furnished, barn, 35 minutes' ride from city. Phone Marshall 4116, or call 773 Roosevelt.

WHEN you answer these Want Ads, mention The Journal.

FARMS WANTED RENT OR BUY 38

WANT farm suitable for dairy on shares or care. N-804, Journal.

HOMESTEADS 47

HOMESTEADS.
Big Indian reservation to open 750,000 acres for settlement; fruit, timber, farm lands; send 25c with this ad to Wenatchee, Wash., Daily World, Dept. G., for reliable data about this great region.

EXCHANGE—REAL ESTATE 24

A Few Bargains, Sale or Exchange
10 acres, all under cultivation, good house, barn and outbuildings. Considerable personal property. Take grocery store or residence as part or full payment.
13 acres, 10 under cultivation, small bldgs., 6 miles out. Take city property or rooming house.
20 acres, 17 under cultivation, new house, comfortable outbuildings, team, wagon, cow, hogs, chickens, etc. Will take larger farm or city property.
32 acres, good buildings, 20 acres cleared, in thickly settled locality, all good soil. Small farm close to city or good city property.
40 acres, 28 under cultivation, new barn, good 8 room house, running water. Will take city property.
160 acres fully stocked, fine spring and trout stream. Will trade for small ranch close in or city property or hotel.
320 acres, 180 under cultivation, good soil, running water, fair buildings. Want apartment house or small farm or would take unincumbered city property.
What have you? The above are all in Clarke county within 12 miles of Vancouver.
Thompson & Swan
512 Main st., Vancouver, Wash.

EXCHANGE EQUITY.
Equity in well improved small farm for stock of groceries or other merchandise, in Portland, or suburban town. Address Box 26, Beaverton, Oregon.

COTTAGE, 5 rooms down and 2 upstairs, bath. Thoroughly modern, furnished 7 room house. Hawthorne district for equipped farm near Portland. No agent. Wdin. 1392. 1710 Patton ave.

80 ACRES, cleared, seeded to grass; all fenced and level, clear of incumbrance. Will trade for bungalow close to Hawthorne ave. Main 3770, after 6 p. m.

WHAT HAVE YOU TO OFFER?
$1500 second mortgage, secured by Seattle property worth $6500; want property here or close by. X-147, Journal.

FOR SALE or trade—1 acre, well improved, on carline, 20 minutes out, for clear lots and some cash. This is a good thing. Owner, O-150, Journal.

$700 CASH equity in modern 5 room bungalow to exchange for acreage, lot or auto. Will assume on acreage. T-372, Journal.

EXCHANGE—5 room house, 3 lots, value $2500, clear, Kenton, for 6 to 10 acres with buildings. Call Woodlawn 1087, or write 288 W. Halleck st.

$1000 equity in modern 7 room $4000 Rose City Park residence, for lot, or will trade for small bungalow. Tabor 4913.

LAURELHURST lot, $1400, equity $700. Want cheaper lot. Phone mornings. Main 4163.

NEW merchandise, good assortment for country store, for real estate. 427 Pittock blk.

SELLWOOD 7 room house to exchange for smaller place or farm. 208 Abington bldg.

WE have land here, for Kansas, which will trade. Come in. 218 Board of Trade.

EXCHANGE lots for house. Owner. Main 9120.

WHEN you answer these Want Ads, mention The Journal.

EXCHANGE—REAL ESTATE 24 (Continued)

5 ROOM modern in Creston addition, clear of incumbrance, will take good lots as first payment.
3 acres at Jennings Lodge for Rose City Park lots.
160 acres improved in Lake County for Portland residence.
6 and 7 room Spokane residences for Portland property or acreage.
For particulars write E. and C. Lovegren, Cherry Grove, Or.

EXCHANGE 6 room nearly new house with 4 lots all clear for a farm, 30 to 40 acres. Must have a 4 or 5 room house and barn, partly under cultivation, with some tools, wagon, horse and cow preferred. Chas. Hinztel, 104 Sherlock bldg.

WILL TAKE $10,000
in clear Portland income, apartment or other good property and mortgage back on land for my 25½ acre improved farm, one half mile from Beaverton. Price $13,000. Address Box 26, Beaverton, Or.

WANT a modern home; will exchange good lots, free of incumbrance, for substantial equity. Marshall 1565.