Poultry Department

THE BACKYARD ASPECT OF POULTRY KEEPING

With Proper Care Small Flock Will Materially Cut Cost of Living.

Washington, April 19.—From 12 to 25 hens are sufficient to provide the ordinary family with enough eggs and meat to render the keeping of the birds worth while, according to poultry specialists in the United States' department of agriculture. The amount of outdoor space the flock will require may be estimated at about 25 square feet for each bird. There are instances in which chickens have thrived with much less than this, but unless the soil is especially favorable and the birds receive unusually good care, crowding is likely to prove unprofitable.

Space for a Flock.

While it is possible to get along with 25 square feet per birds, a larger space affording more green and insect food is very desirable. For one thing, the ordinary poultry keeper wishes to perpetuate his flock, and the raising of young chickens requires as much land as the keeping of mature hens. After she is two years old, the best laying days of the average hen are over, and it usually pays to get rid of her. This means that half the flock must be renewed each year. Since as many cockerels as pullets will be hatched, and a certain percentage are certain to die, it is customary to hatch each year a few more chickens than there are hens in the flock. With a flock of 25, for example, about 30 chickens should be raised. The same space must be allowed for these as for the laying hens. The cockerels are consumed through the season, being used either as broilers when they are about three months old, as friers, or as roasters.

Divide Yard in Two.

It is also most desirable as a precaution against disease to divide the available area into two plats. On one of these the chickens are allowed to range while a green crop—wheat or oats, for example—is being grown for them on the other. The preliminary turning under of the soil, the green crop, and freedom from chickens for a period serve to prevent the land from becoming contaminated.

Additional range, with the advantage of a large supply of insect feed for the birds, may sometimes be obtained where a vegetable garden is maintained. At different times in the growing season there are areas in the garden which are either idle or occupied only by crops that the hens will not touch. The birds, confined to these with the aid of a portable fence, benefit without injury to the vegetables.

Some Housing Required.

An important item to be considered by those thinking of maintaining a home flock is the cost of the house. For some part of the year at least, in almost every section of the United States, chickens require the shelter of a tight, dry building. In planning the house, approximately 4 or 5 feet of floor space should be allowed for each bird. The height may be determined by the convenience of the operator, for the birds themselves need only two or three feet. Such low houses, however, are very difficult to clean, and, in consequence, are likely to be neglected. It is better to build them so high that a man may work in them without discomfort.

Piano Box for House.

A not uncommon device is to use a piano box for a chicken house. The cost of these houses depends largely upon circumstances, though no estimate can be given. It may be possible to find one the owner will be glad to give away; and, on the other hand, one may have to pay $1.50 or more for a box that is no better. By combining two piano boxes, a very satisfactory shelter for a small flock can be made at little expense. Portable chicken houses are also on the market at costs varying greatly. The majority, however, will probably cost the owner from $1.50 to $2 for each bird sheltered by them.

In many cases also, where the surroundings are such that the chickens cannot be allowed to range at will, the cost of fencing must be considered. This, obviously, will vary greatly with the size of the area to be inclosed and the kind of fencing selected. Ordinary chicken wire is not expensive.

Cost of Keeping Chickens.

The actual economy secured by the keeping of a small flock of chickens depends primarily upon their egg production, and this, in turn, is largely a matter of care. Under favorable conditions, however, it is estimated that 150 eggs the first year and 120 the second is a fair return from the ordinary hen. On the other hand, at least from 25 to 50 cents a year must be expended for grain and other feeds, the exact amount depending upon the quantity of table scraps and green and insect food available. Where all the feed must be purchased, from $1 to $1.25 is allowed. Even in the most thrifty household, however, there is always a large quantity of table scraps, vegetable parings, and other "left overs" for the hens, so that a considerable portion of their feed consists of what otherwise would be carried off the place by the garbage man.

Although of less importance than the eggs, the supply of poultry for the table furnished by the home flock is an item that cannot be overlooked. As has been pointed out, in a flock of 25 which the owner is perpetuating, there will be approximately 12 or 13 cockerels, almost all of which can be used best for food. Half of the hens must go each year also, so that allowing for losses and for birds reserved for breeding, there still will be enough appreciably to affect the butcher's bill.

Reds Set the Pace For Storrs Contest

Storrs, Conn., April 14. — For the first time in many weeks the hens in the laying contest at Storrs have eased up a little. They laid a total of 4463 eggs in the twenty-second week or virtually the same number as the preceding week but more than 200 eggs under the mark made in the corresponding week a year ago.

A. Allan's Reds from Newport, R. I., won first honors for the week with a production of 56 eggs. Windsweep Farm's pen of White Leghorns from Redding, Conn., got second best place for the week with a yield of 54 eggs. Merritt M. Clark's Barred Rocks from Brookfield Center, Conn., Cloyes & Sullivan's Buff Wyandottes from Hartford, and Springdale Poultry Farm's Rhode Island Reds from Durham, Conn., all tied for third place with 52 eggs each.

A White Leghorn laid an egg weighing only one-half ounce. On the other hand, a White Plymouth Rock laid an egg that weighed four ounces. In this connection it is interesting to note that the records made at the laying contest seem to prove conclusively that hens are more likely to lay very small eggs or very large eggs at and during the height of the laying season. It is a more or less common belief that abnormally small or large eggs mark either the beginning or the end of a hen's clutch, but this theory is no longer tenable. The records show that these unusual eggs are more likely to occur at the time of heavy production. Neither the little eggs therefore, nor the big ones, means that a hen has just started to lay or that she has finished and is about to become broody.

The three best pens in each of the principal varieties are as follows:

Barred Plymouth Rocks—Fairfields Poultry Farms, Short Falls, N. H., 773; Jules F. Francais, W. Hampton Beach, L. I., 639; Merritt M. Clark, Brookfield Center, Conn., 617.

White Wyandottes — Merrythought Farm, Columbia, Conn., 785; A. L. Mully, Waterbury, Conn., 706; Brayman Farm, Westville, N. H., 688.

Rhode Island Reds—Jacob E. Jansen, North Haven, Conn., 777; George W. Harris, Westport, Conn., 750; Allan's Hard-to-Beat Reds, Newport, R. I., 745.

White Leghorns — A. P. Robinson, Calverton, N. Y., 934; J. O. LeFevre, New Paltz, N. Y., 774; Hilltop Poultry Yards, Suffield, Conn., 762.

Miscellaneous — Obed G. Knight (White Orpingtons), Bridgeton, R. I., 708; Cloyes & Sullivan (Buff Wyandottes), Hartford, Conn., 693; Holliston Hill P. Farm (White Rocks), Holliston, Mass., 665.

White Leghorns Win Cup in "Ol' Missouri"

Mountain Grove, Mo., April 14.—The 290 hens in the National Egg Laying contest laid 6040 eggs during March, which is an average of 20.8 eggs per hen. Pen 53, S. C. White Leghorns, Missouri, won the cup for the month by laying 130 eggs.

Four Plymouth Rock hens are in the five highest places for March, the Barred, White and Buff Plymouth Rocks tying for third place. The pens occupying the five highest places for March are as follows:

Pen	Eggs
53—S. C. W. Leghorns, Missouri	130
59—S. C. W. Leghorns, Penn.	128
5—Buff Rocks, Kansas	121
8—White Rocks, Idaho	121
11—Barred Rocks, Missouri	121
1—Missouri White Fluffs, Mo.	120
6—Partridge Rocks, Ohio	118

The ten highest places to date are occupied by many breeds and varieties. They are as follows:

Pen.	Eggs.
35—White Wyandottes, Missouri	503
19—R. C. R. I. Whites, N. J.	493
52—S. C. White Leghorns, Missouri	443
31—White Wyandottes, New York	440
27—Buff Orpingtons, Missouri	433
37—White Wyandottes, Missouri	432
23—White Orpingtons, Missouri	427
22—R. C. Reds, Missouri	423
28—S. C. Reds, Iowa	419
20—S. C. Reds, Missouri	413

Hens occupying the five highest places to date are as follows:

Hen.	Pen.	Eggs
4.	35—White Wyandotte, Mo.	126
2.	29—Buff Orpington, Mo.	120
3.	11—Barred Rock, Mo.	119
1.	28—S. C. Red, Iowa	117
3.	35—White Wyandotte, Mo.	117
3.	19—R. C. R. I. White, N. J.	116

No Grits, No Eggs.

No grits, no shells; no shells, no eggs. Feed plenty of grits. The digestive apparatus of a chicken demands them. Many of your pullets are probably laying if you are giving them the right kind of care. The feeding is the big element in governing the egg yield. Proper attention should be given to the lime foods, meat scraps or meat scrap substitutes and a good balanced ration of grains.

Watch your table scraps. Often they furnish a large part of the upkeep of the family flock. They need sorting. Most foods containing acids, such as citrus fruits, sauces, etc., serve only to litter up the yard, and are better in the garbage pail than in the chicken feed. Old and musty things are worse than useless. They are harmful.

Crowding on the Roosts.

Hens sometimes crowd each other on the roosts, much to the detriment of their health. Tom Barron, the famous English poultryman, obviates this tendency by building only short roosts instead of long ones. He does not run the roosts the full length of the houses, a dozen feet or more, but runs them cross-wise of the dropping boards, so that each roost will accommodate only eight or nine hens. H. E. Fairchild of Curtis Oaks, Sacramento, has solved the problem in a different manner. He nails an upright stick about eight or ten inches apart on each roost, so that each hen practically has an individual "stall." In this manner he has entirely eliminated crowding.

PRODUCE INFERTILE EGGS; THEY KEEP BEST

Save the Spoilage That Comes From Keeping Male Bird in the Flock.

Poultry keepers in the United States lose each year large sums because of improper methods of producing and handling eggs. One-third at least of this loss is easily preventable. It is due to the partial hatching of fertile eggs.

The eggs laid by a hen may be either fertile or infertile, depending on whether or not the male bird has been allowed to run with the female. A fertile egg is one in which the germ has been fertilized by the male bird. Except for this process of fertilization, the male bird has no influence upon the eggs which the hens lay. Egg production is equally great in flocks from which roosters are excluded.

Germ Begins to Grow.

A fertile egg does not keep as well as an infertile one because the fertilized germ responds more readily to high temperatures than the unfertilized one. It is impossible to hatch an infertile egg or to cause a blood ring to form in one. Such eggs are much more likely to reach the table in good condition and there is much less spoilage in shipments composed entirely of them than in mixed shipments of fertile and infertile eggs.

After the hatching season, therefore, the male birds should be cooked, sold or confined. In approximately 14 days after this all the eggs laid by the hens will be infertile. These can be marketed much more successfully under the adverse conditions that frequently prevail in the hot summer months.

Rules for Handling Eggs.

Heat is the great enemy of eggs, both fertile and infertile. Poulterers are urged to follow these simple rules, which cost nothing but time and thought and will add dollars to the poultry yard returns:

1. Keep the nests clean; provide one nest for every four hens.
2. Gather the eggs twice daily.
3. Keep the eggs in a cool, dry room or cellar.
4. Market the eggs at least twice a week.
5. Sell, kill, or confine all male birds as soon as the hatching season is over.

Storrs Contest Not Yet at Its Zenith

White Leghorns Win First Place for Week With Production of 56 Eggs; Barred Rocks and Reds Second.

Storrs, Conn., April 21.—The hens in the laying contest at Storrs are not yet believed to have reached the zenith of production and yet they are so close to the top that only small gains can now be expected during the next month or two. In the twenty-third week there was a total yield of 4432 or only about 30 eggs more than for the previous week.

Francis F. Lincoln's pen of White Leghorns from Mt. Carmel, Conn., won first place for the week by laying 56 eggs. Michigan Poultry Farm's Barred Rocks from Lansing, Mich., and George W. Harris' pen of Rhode Island Reds from Westport, Conn., tied for second place with 55 eggs each. Albert T. Lenzen's White Rocks of North Attleboro, Mass., tied for third place with a Kansas pen of White Leghorns entered by George H. Stannard of Ottawa, each yielding 54 eggs. Merritt M. Clark's Barred Rocks from Brookfield Centre, Conn.; Laurel Hill Farm's Reds from Bridgeton, R. I.; Obed G. Knight's White Orpingtons also from Bridgeton, R. I., and Bushkill Poultry Farm's White Leghorns from Bushkill, Pa., all tied with 53 eggs each.

The three best pens in each of the principal varieties are as follows:

Barred Plymouth Rock—Fairfields' Poultry Farms, Short Falls, N. H., 824; Jules F. Francais, W. Hampton Beach, L. I., 673; Merritt M. Clark, Brookfield Center, Conn., 670.

White Wyandottes—Merrythought Farm, Columbia, Conn., 830; A. L. Mully, Waterbury, Conn., 748; Brayman Farm, Westville, N. H., 727.

Rhode Island Reds—Jacob E. Jansen, North Haven, Conn., 824; George W. Harris, Westport, Conn., 805; Allan's Hard to Beat Reds, Newport, R. I., 794.

White Leghorns—A. P. Robinson Calverton, N. Y., 980; J. O. LeFevre, New Paltz, N. Y., 823; Hilltop Poultry Yards, Suffield, Conn., 806.

Miscellaneous—Obed G. Knight (White Orpingtons), Bridgeton, R. I. 761; Cloyes & Sullivan (Buff Wyandottes), Hartford, Conn. 740; Holliston Hill Poultry Farm (White Rocks), Holliston Hill, Mass., 711.

Infertile Eggs From Incubator Usable

Many incubator operators make no use of the infertile eggs that are candled out after the machine has been running for six or seven days. This ought not to be true at any time and especially in a year when food products should be rigidly conserved and when eggs are selling for virtually 50 per more than they did a year ago at this time. The infertile eggs from the incubator are perfectly good for use on one's own table. If incubation is done on a large scale where there are hundreds or even thousands of such infertile eggs they can be sold at bakeries and ought to bring at least 15 cents a dozen. The infertile incubator egg is probably better than either the cold stored egg or the egg that has been preserved in waterglass.

Plenty of Time for Action.

From Case and Comment.

The police magistrates so often admonish women complainants to come back and report any further wrongdoing on the part of the husbands who have been released that these judges fall into the habit of repeating the admonition on every occasion in which a man and wife are concerned.

The other day a woman told one of the magistrates that her husband had threatened to kill her.

"Very well, madam," said the magistrate, mechanically, "very well; if he does you come back and tell me, and I will punish him."

When writing to or calling on advertisers, please mention The Journal. (Adv.)

"Swat the Rooster" Day Approacheth

After May 19 a Rooster in the Stew Pan Is Worth Two in the Poultry Yard; Infertile Egg Keeps Better.

After placing a male bird in a pen where no male has been the eggs become fertile in two or three days, and after removing the male from the pen the eggs remain fertile for about 20 days.

The male and female are equally responsible for the fertility of eggs. Past records of the Missouri contest show 36,468 eggs incubated, of which 7240 were infertile. This is practically 20 per cent, leaving 80 per cent fertility, so if we were asked what was an average fertility, we would say 80 per cent, or 12 out of each sitting of 15. Hatching is another question.

A further study reveals the fact that the per cent of fertility varies with different seasons. The percentages for the first six months of the year are as follows: January, 62 per cent; February, 75 per cent; March, 82 per cent; April, 85 per cent; May, 83 per cent; June, 75 per cent.

The length of time the eggs are kept is an important factor which should be considered. Under ordinary conditions there seems to be little or no fertility lost during the first ten days.

Fertility is desirable in eggs for hatching, but undesriable in eggs for food. If a fertile egg is incubated for 12 hours the germ begins to develop, then if the egg is cooled and kept cold for three or more days, the germ dies and cannot be hatched and the dead germ is the center or begining of decomposition. Thus it will be seen that fertile eggs after the incubation season is over have all to lose and nothing to gain. "Swat the rooster" on May 19 and market infertile eggs during the summer, which will insure greater profits to both producer and dealer and gives the consumer better eggs.

Valuable males should be penned with a few females but infertile eggs should be produced from the flock. Eggs during the summer should be kept in a cool place and marketed often.

Some Rules as to Buying Baby Chicks

The beginner in the poultry business can make a fatal mistake by getting the wrong kind of foundation stock and this is a mistake that may be avoided by the right kind of precautions J. E. Dougherty, writing on the subject in the Indianapolis Star, farm section, concludes with the following under the head of "Buying Rules."

It behooves the purchaser of day-old chicks to make certain that his chicks are the offspring of flocks of healthy, hardy breeding stock. Buying poultry is like buying anything else.

If one is to be certain of getting just what he wants, one must go either to a reliable dealer and clearly set forth one's needs so that the dealer cannot make any mistake and then be willing to pay the price of stock fitting specifications, or one must know enough about poultry to be able accurately to judge the kind of stock that is being secured. Purchasing day-old chicks by mail without a reliable guarantee behind them, based on the reputation of a known, experienced poultryman or without making a careful investigation of the stock and ability of the seller, is taking a long chance.

Undoubtedly a goodly percentage of the chick business will be handled by breeders who sell day-old chicks in connection with the sale of hatching eggs and high-class adult breeding stock. If one wishes to secure chicks from a certain variety of stock having certain qualities highly developed, such as heavy laying ability; such chicks can be most surely secured from breeders who have specialized for years in the production of such stock and can prove it to the satisfaction of the buyer.

Storing Eggs by the Waterglass Method

Eggs which are to be put up for winter use should be fresh and clean. Do not use dirty eggs that have to be washed as washing destroys the thin layer of skin that is around each egg. This skin helps to keep the egg fresh, therefore, it is necessary to take good, fresh eggs from clean nests. Do not use cracked eggs. They will not keep and will spoil the rest of the eggs. The eggs should be put in the waterglass the day they are layed if possible and not later than the next day.

The materials needed for putting up eggs are earthenware crocks with covers and waterglass. Wooden barrels or kegs may be used in place of the earthenware crock. The waterglass can be purchased from any drug store and some grocery stores for about 75 cents to $1 per gallon. One gallon will be enough for 30 dozen eggs.

Directions — Clean out barrel or crock thoroughly with hot water. The preserving solution is made by adding one part of waterglass to eight or ten parts of water which has been boiled and cooled. Enough solution should be prepared to half fill the crock. Place the eggs in the solution carefully to keep them from cracking.

It is not necessary to put all the eggs in the solution the same day. They may be added each day as they are layed.

When the eggs are all packed cover the crock or barrel as tightly as possible to avoid evaporation and store it in a cool dark place. Preferably in the cellar.

The total cost for putting up eggs should not exceed 3½ cents per dozen.

Subscriber Gives Tip on Sanitation

We are indebted to a subscriber, O. H. Sternberg, 745 Wilson street, for the following practical suggestion, which we heartily recommend as an inexpensive way to transform chicken yards that are usually wet and slimy in winter and bare and parched in summer, into a sanitary yard that will provide green feed for the chickens:

"Take common one inch building lath and nail them on 1x3 inch cleats, one inch apart. There should be a cleat at each end and one in the middle of the four foot lath. Make these grates in sections six feet long, which is most convenient size to handle. Spade and seed yard with lawn grass, rye, lettuce or clover and place grates on top. Soon the crop will be growing up between the lath when the chickens can eat the tops without being able to destroy the roots."

Exempt.

From Youth's Companion.

The teacher was giving the school a little lecture on good conduct.

"Avoid criticising," she said. "Don't make a practice of finding fault with other people, or picking flaws in what they say or do"

"Teacher," spoke up a little boy, "that's the way my father makes his livin'!"

"You surprise me, George! What is your father's occupation?"

"He's a proofreader, ma'am." The teacher coughed. "Well, George," she said, "I make an exception in the case of your father."

The Poultry Expert Keeps

A supply of fresh water always at hand and has plenty of sour milk, as well. The drinking fountains and feeders containing the mash are set up on platforms a foot or more above the floor of the pens, so that litter and filth never get into them. A dish of grit is also kept on the platform, within reach.

Both the fruit, which resembles grapes, and the flowers of a tree in Brazil grow directly from the bark.

POULTRY - PIGEONS - PET STOCK

RINGLET Barred Rocks, Silver Campenes, or White Leghorn hatching eggs, $1 per 15. Mrs. Murray, 3126 63d st., S. E. Tabor 1261. Laying hens and pullets.

WHITE Leghorn baby chicks, from heavy laying (Hoganized) stock, $8 per 100, for April, May and June. Safe delivery guaranteed. The Pioneer Hatchery, Petaluma, Cal.

OUR White Leghorn chicks are unusually fine this year. Can spare about 800 from May 16 hatch at 10c each. F. H. Robinson, Carlton, Or.

INDIAN Runner baby ducks, 25c. Tabor 4070.

100 LAYING Leghorn hens and Belgian hares for sale. Tabor 1374.

CHOICE White Wyandotte eggs, $1 setting. 671 E. Salmon. B-3231.

FLEMISH Giants for rabbits. Tab. 6422.

FOR SALE—About 25 pairs of Carneaux pigeons, extra fine, $1.50 a pair for immediate sale. Have more pigeons than can handle. John S. Beall, Woodlawn 3171.

THOROUGHBRED light Brahmas. Setting $1.50. 2121 E. Mill st. Tabor 338.

BARRED Rock setting eggs, low prices incubator lots. Orders taken for chicks. Woodlawn 2397.

WHITE Wyandotte eggs now $5 per 100. E. C. Stevens, Hillsdale. Main 2365.

S. C. BLACK Minorcas, eggs and stock for sale. D. R. Wood, 1808 Hamlin st. Columbia 782.

BARGAIN—Barred Rock exhibition cockerels, $2.50 each. Tabor 2190.

SILVER Campine setting eggs and baby chicks. Phone Woodlawn 313.

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Only a few miles away. Oregon's Finest Trout Fishing.

McKenzie River
Upper Willamette
Siuslaw River
and many other streams.

Latest Report:

ROSEBURG, OR.—Umpqua river is high and muddy, but beginning to clear. Bait is being used for fishing. Sunday John Metz and postmaster here caught two steelheads and a nice basket of trout near Winchester. Salmon spoon for bait. Chinooks are commencing to run.

LOW WEEK END RATES

on sale Saturday and Sunday Return on Monday

Ask agent for copy of "Fishing Bulletin" containing map of Western Oregon, latest reports from U. S. forest rangers and fishermen. City Ticket office, 131 Fourth st

JOHN M. SCOTT
Gen. Pass Agt.

Southern Pacific Lines

WEEKLY ANGLERS' BULLETIN

Contains interesting tips on fishing resorts—the Deschutes, streams along the Columbia, etc. Issued by the North Bank road. First edition of this season will be published as soon as conditions for fishing are more favorable.

Sent free to any address upon application. Send in your name. Low week end fares to Deschutes river points now in effect.

SPOKANE PORTLAND SEATTLE

TICKET OFFICE
5th and Stark sts.
Bwdy. 920, A-6671

DESCHUTES RIVER

Week-end fares every Saturday during the season—return limit Monday following.

Round Trip from Portland to

Sherar	$5.80	Frieda	$6.60
Tuscan	5.95	Nathan	6.90
Maupin	6.15	N. Junction	6.95
Nena	6.50	Mecca	7.75

TOURIST SLEEPING CAR

Berths, $1.00. Leave North Bank station 7:10 P. M. Arrive 8:10 A. M.

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Special Rates to the Klickitat River.

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NEW TODAY

Synopsis of the Annual Statement of the AACHEN & MUNICH FIRE INSURANCE COMPANY of Aix-La-Chapelle, Germany, on the 31st day of December, 1916, made to the Insurance Commissioner of the State of Oregon, pursuant to law:

CAPITAL.	
Amount of capital paid up	$........
INCOME.	
Net premiums received during the year	$1,105,348.98
Interest, dividends and rents received during the year	102,180.03
Income from other sources received during the year	6,573.25
Total income	$1,214,102.26
DISBURSEMENTS.	
Net losses paid during the year	607,027.25
Commissions and salaries paid during the year	355,623.57
Taxes, licenses and fees paid during the year	55,715.60
Amount of all other expenditures	112,626.41
Total expenditures	$1,130,992.83
ASSETS.	
Value of stocks and bonds owned (market value)	$2,397,597.00
Loans on mortgages and collateral, etc.	8,130.49
Cash in banks and on hand	224,220.21
Premiums in course of collection written since Sept. 30, 1916	194,138.42
Interest and rents due and accrued	30,934.31
Total assets	$2,855,020.43
Less special deposits in any state (if any there be)	4,968.33
Total assets admitted in Oregon	$2,850,061.10
LIABILITIES.	
Gross claims for losses unpaid	$ 122,121.03
Amount of unearned premiums on all outstanding risks	1,223,090.54
All other liabilities	31,106.13
Total liabilities, exclusive of capital stock	$1,376,317.70
Total premiums in force Dec. 31, 1916	$2,422,635.23
BUSINESS IN OREGON FOR THE YEAR.	
Total insurance written during the year	$ 534,325.00
Gross premiums received during the year	7,563.86
Premiums returned during the year	2,622.84
Losses paid during the year	5,194.46
Losses incurred during the year	5,519.46
Total amount of insurance outstanding in Oregon Dec. 31, 1916	1,213,987.00

AACHEN & MUNICH FIRE INSURANCE CO. OF AIX-LA-CHAPELLE, GERMANY.
By GEO. O. HOADLEY, Manager.
Statutory resident general agent and attorney for service: AUGUSTUS H. JACKSON. Portland, Oregon.

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ACCORDION PLEATING

HEMSTITCHING, buttonholes, buttons covered, accordion, sunburst, side and box pleating; all work promptly and satisfactorily attended to. I. Reuben, 389 Alder st., opp. Olds, Wortman & King.

ACCORDION, KNIFE AND BOX PLEATING HEMSTITCHING, BRAIDING; BUTTON HOLES, BUTTONS COVERED, EASTERN NOVELTY MFG. CO., 85½ 5TH. B'WAY 2000.

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JOYCE BROS., Electric Cleaning Works—Carpets cleaned and laid; refitting our specialty. East 440. B-1963. 204 E. 19th st. N.

VACUUM CLEANING at your home, from 25c up. Main 4668.

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SICK PEOPLE—Dr. McMahon, Macleay bldg., specializing on 100 per cent chiropractic. Making good. 31 adjustments $15.

COAL AND WOOD

EAST 2041. C-1224. National Fuel Co., 4 ft. blockwood, $4.75; slabwood, $3.25; sawed blockwood, $5 load; dry slabwood, $4.25; green slabwood $3 load.

NEER & FARR—All kinds of green and dry 4-ft. fir for sale. 305 Water st. M-4596. A-4547

A, B, C, Fuel Co. Small orders our specialty. 409 Union av., N. E. 4681.

DRY PLANK, any length, $3.75 load. A-2812.

CONTRACTORS AND BUILDERS

OSKAR HUBER, General Contractor, 223 Sherlock bldg.

DOG AND CAT HOSPITAL

DR. G. H. HUTHMAN, VETERINARIAN. Hospital 415 E. 7th st. East 1847. B-1962.

EDUCATIONAL

DANCING

MANCHESTER Dancing Academy, 85½ 5th st., bet. Stark and Oak. Special rates, 4 private lessons, $2; morning, afternoon, evening; all latest dances guaranteed; class Thursday, Saturday evenings. 7-8:30. Broadway 2160.

RINGLER Dancing Academy. All branches of modern, fancy, stage and ball room dancing. Classes and private for adults and children. Main 3380. Montrose Ringler, director.

MR. AND MRS. HEATH'S school; lessons daily. Class Mon., Thur. eves. 109 2d st., bet. Wash., Stark. Lessons 25c. Main 3205.

MISS IRELAND—500 Dekum bldg. 10 private lessons, $5. Hours, 9:30 a. m., 9 p. m.

MUSIC SCHOOLS AND TEACHERS

E. THIELHORN—Violin teacher. Pupil Sevcik. 207 Fleidner bldg. Marshall 1529.

PROF. T. E. LAWSON—Piano lessons at your home, 60c. Phone Tabor 2039.

RAGTIME piano playing in 10 to 20 lessons. "Christensen's System." 412-13 Columbia bldg.

PIANO and vocal lessons, with use of practice piano 1 hour per day, $5 month. Main 5210.

LAW SCHOOLS

OREGON LAW SCHOOL—A thorough, practical course in law. Recitations evenings. Main 977. Alisky bldg.

EYE, EAR, NOSE, THROAT, LUNGS

TREATMENT by specialist; glasses fitted. Dr. F. F. Casseday, 517 Dekum bldg., 3d & Wn.

FLUFF RUGS AND RAG RUGS

NORTHWEST RUG CO. — Established 1903. Fluff rugs and rag rugs woven, all sizes. E. 8th and Taylor. East 3580. B-1280.

PENINSULA Rag Works—Rag rug and carpet weaving. 1518 Patton ave. Woodlawn 2685.

FURNACES

BOYTON FURNACES
Economical — Effectual.
J. C. BAYER CO., Front and Market.

UNION AVE. Sheet Metal Works. Furnaces installed; repairing. 411 Union ave. N. E. 4811.

FURNITURE REPAIR AND UPHOLSTERING

MULTNOMAH Furnace Hospital, 334 3d st. Expert mattress making. Main 4554.

HAIR GOODS AND HAIR DRESSING

FERVET & HANEBUT, leading wig and toupee makers, finest stock human hair goods, hairdressing, manicuring, face and scalp treatment. Removed to 348 Alder, near Broadway.

LAWN MOWERS SHARPENED

WORK called for and delivered. A. J. Washburn, 67 14th st., N. Tabor 3558.

MATTRESSES

OLD mattresses and feather beds made into sanitary folding forms; feathers renovated. Folding M. Co., 506 Williams ave. East 5874.

MIMEOGRAPHING—MULTIGRAPHING

MIMEOGRAPHING, Cir. letters. W. E. Finzer & Co., Inc., 293½ Stark. Main 3347. A-1260.

PAINTING, TINTING, PAPERHANGING

TOSOHLE PAINTING CO. Painting, tinting paperhanging. 549 Marshall st. Main 4414.

PHYSICIANS

DR. R. A. PHILLIPS, Alisky bldg.—Asthma, Nervousness, Prostatic Trouble, Rheumatism.

PLUMBING SUPPLIES

RETAIL PLUMBING SUPPLIES, Fleming, 112 4th st. Main 7300.

BATH tubs, sinks, toilets, pipe and fittings. A. L. Howard, 212 4th st.

PRINTING AND BINDING

PRINTING F. W. BALTES & CO., 1st and Oak sts. M. 165. A-1165.

MARSH PRINTING CO., 122½ Front st.

PRINTERS AND ENGRAVERS

THE IVY PRESS — JOHN M. MANN, 382 Stark st. Broadway 408, A-4068.

RUBBER STAMPS AND SEALS

ALSO Stencils, Trade Checks, Brass Signs. PACIFIC COAST STAMP WORKS. 63 Broadway st. Broadway 710. A-2710.

SHEET METAL WORKS

REPAIRING tin and gravel roofs. Jacob Losli, 310 1st st. Phone Main 1424.

TOWELL SUPPLY

Portland Laundry Co., for prompt, efficient service. Phone Broadway 410, A-4410.

TRANSFER AND STORAGE

Oregon Transfer Co.
Established 1870.
Transfer and Forwarding Agents.
Storage—Free Trackage.
Office and Storage 474 Glisan St, 13th and Glisan. Main 69, A-4460.

ALWAYS "PICK" THE BEST HOUSEHOLD GOODS SPECIALISTS — Storage, Packing, Shipping and Moving. Horse or Auto Vans. Special freight rates to all points. C. O. PICK TRANSFER & STORAGE CO. 2d and Pine. Broadway 590. A-1996.

FREE STORAGE. FREE MOVING. Limited time. Object to fill warehouse. SECURITY STORAGE & TRANSFER CO., 105 Park st. Main 5195. A-1051.

TYPEWRITER REPAIRING

WE repair and rebuild all makes. Royal Typewriter Agency, 292 Stark st. Main 3668.

WET WASH LAUNDRIES

CENTRAL wet wash, 26 lbs., 50c Phone East 764. B-2764.

MANUFACTURERS JOBBERS WHOLESALERS

FLUFF RUGS AND RAG RUGS

Send Us Your Old Carpets
FLUFF RUGS
Made from old Ingrain, Brussels, Axminster, Smyrna. Also rag rugs, all sizes. Mail orders prompt. Send for booklet.

Carpet Cleaning, Refitting, etc
9x12 rugs, steam or electric cleaned......$1.00
8x10 rugs, steam or electric cleaned........75c
WESTERN FLUFF RUG CO.,
54 Union ave., N. Phone East 6516. B-1475.

WOOD PIPE

PORTLAND WOOD PIPE CO. — Factory and office near 24th and York sts. Main 3480.

MEETING NOTICES 41

ROSEBUD council, No. 2987, will give a masque ball at the East Side Business Men's club, 114 Grand avenue, Saturday evening, April 21. Admission 25c. Everybody welcome. Six good prizes.

EMBLEM jewelry a specialty, buttons, pins, charms. Jaeger Bros., 131-3 6th.

Vital Statistics
Marriages, Births, Deaths

MARRIAGE LICENSES

Leonard Novak, Hillsdale, Or., and Ellen M. McGinley, Hillsdale, Or.

Frank C. Graff, 134 E. 80th st., N., and Miss Anna Neis, 14 E. 56th st., N.

B. A. Reed, The Dalles, Or., and Lulu V. Oakes, 1250 E. Salmon st.

WEDDING INVITATIONS SMITH & CO. Third Floor Morgan Bldg.

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

BIRTHS

HADSALL—To Mr. and Mrs. Timothy Hadsall, Bandon, Or., April 8, a daughter.

STEWART—To Mr. and Mrs. Duncan Stewart, 895 E. 6th st., N., April 8, a son.

MOLINARI—To Mr. and Mrs. Antonio Molinari, 193 Endicott st., April 8, a daughter.

WEITZEL—To Mr. and Mrs. George J. Weitzel, 827 Mallory ave., April 8, a son.

HALLETT—To Mr. and Mrs. Luther O. Hallett, 1190 Nehalem ave., April 8, a son.

ROSS—To Mr. and Mrs. George W. Ross, 1429 Mears st., April 8, a son.

MURRAY—To Mr. and Mrs. Neal V. Murray, 285 Williams ave., April 9, a daughter.

WEINSTEIN—To Mr. and Mrs. Edward Weinstein, 1147 Lucretia st., April 9, a son.

HAROLD—To Mr. and Mrs. William Harold, 766 26th st., N., April 9, a son.

MATSON—To Mr. and Mrs. Gabriel Matson, Oak Grove, April 9, a daughter.

RIFFLE—To Mr. and Mrs. J. H. Riffle, 464 N. 24th st., April 9, a son.

SWANSON—To Mr. and Mrs. Frank Swanson, 551 E. 62d st., N., April 10, a son.

CONNOLLY—To Mr. and Mrs. T. Garfield Connolly, 1165 E. 18th st., N., April 11, a son.

ADAMS—To Mr. and Mrs. Walter L. Adams, 405 E. 39th st., April 11, a son.

DEATHS AND FUNERALS 75

BALDWIN—At the family residence, 677 E. 17th st., N., April 19, Albert T. Baldwin, son of Mrs. M. Baldwin, brother of Miss Rosemary Baldwin. Funeral services will be held at the church of the Madeleine, E. 23d and Siskiyou sts., at 8:30 a. m. Monday, April 23. Interment at The Dalles, Or. The Edward Holman Undertaking Co.

M'MILLAN—In this city, April 20, at the residence of her father, John W. Passmore, 908 E. Couch st., Elma Passmore-McMillan, age 46 years. The funeral services will be held Sunday, April 22, at 4 o'clock p. m., at the residence establishment of J. P. Finley & Son, Montgomery at 5th. Friends invited. Interment at Butte, Mont.

BEATY—John Beatty, age 62 years, in this city, April 20. The remains are at the parlors of the East Side Funeral directors, 414 E. Alder st. Funeral notice in a later issue.

DOW—Peter Dow, 788 E. Hoyt st., April 16, 72 years, mitral insufficiency.

PETERSON—Julia Peterson, 475 Schuyler st., April 17, 43 years, cerebral hemorrhage.

WISER—William C. Wiser, St. Vincent's hospital, April 17, 3 years, streptococci meningitis and measles.

M'KIBBEN — George E. McKibben, Portland sanitarium, April 13, 45 years, hemorrhagic pericarditis.

MYERS—Charles W. Myers, 989 Savier st., April 18, 68 years, paralysis agitans.

FLORISTS

CLARKE BROS., florists, 287 Morrison st. Main or A-1805. Fine flowers and floral designs. No branch stores.

MARTIN & FORBES CO., florists, 354 Wash. Main 269. A-1269. Flowers for all occasions artistically arranged.

SWISS FLORAL CO., 412 E. 7th N. Store 23d and Glisan. Main 1359.

MAIN 6116: wreaths, pillows, $3 up. Sprays $1 up. Chappell's, 347 Morrison

Coutts & Trombley, 788 Glisan, flowers for all occasions. Mar 4372. A-1464.

MAX M. SMITH [illegible]

FUNERAL DIRECTORS

P. L. LERCH
Undertaker, E. 11th and Hawthorne. Phones E. 781, B-1888. Lady assistant.

Dunning & McEntee Undertakers. Modern in every detail. Broadway and Pine sts. Broadway 430, A-4558. Lady assistant.

A. D. Kenworthy Co.
Tabor 5267, 5802 92d st., Lents; Tabor 5395, 66th st. and Foster road, Arleta.

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

J. P. FINLEY & SON,
Progressive Funeral Directors,
MONTGOMERY AT FIFTH.

PIEDMONT Undertaking Co.—R. J. Groskopf funeral director. Woodlawn 4940, C-1155. Killingsworth and Kerby

R. T. Byrnes, new residence establishment 961 Williams ave. Wdln. 220. C-1943.

SKEWES Undertaking Co. Main 41—, A-2421. Cor. 3d and Clay.

Hamilton East 80th and Glisan. Funeral services. Tabor 4813.

Breeze & Snook Belmont at 35th. Tabor 1258.

FUNERAL DIRECTORS (Continued)

Edward Holman, President. W. J. Holman, Secretary. J. E. Werlein, Treas.

EDWARD HOLMAN CO.
FUNERAL DIRECTORS.
THE HOUSE OF SQUARE DEALING
Third and Salmon Streets.
Established 1877.
Lady assistant.
Main 507. A-1511.

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

MILLER & TRACEY, independent Funeral Directors. Prices low as $25, $40, $60. Wash. at Ella. M. 2691. A-7885.

CEMETERY

Mt. Scott Park Cemetery and Crematorium
Tabor 1468, D-61.

VAULTS

THE NATIONAL VAULT COMPANY, foot of Montgomery st. Tabor 2541. Steel reinforced concrete burial vaults, airtight, waterproof everlasting.

MAUSOLEUMS

Riverview Abbey Mausoleum
626 Pittock blk. Phone Bdwy. 351.

MONUMENTS

PORTLAND MARBLE WKS., 264-266 4th st., opp. city hall. Main 3564. Philip Neu & Sons for memorials.

BLAESING GRANITE CO. 267-3RD ST. AT MADISON

FOR SALE—BUSINESS PROPERTY 66

BUILD SHIPS—For sale or lease, best river frontage below Portland. Owner, Main 7954.

TO LEASE 63

BRICK building, barn or factory. East 4475.

FOR SALE—HOUSES 61

INCOME property in coast town paying

12 Per Cent Net

on the investment; steady renter; will take $450 cash.
L. L. MORRIS, Brownsville, Or.

FOR SALE—6 room house, a bargain, near 3 car lines, all kinds of fruit and shrubs. Price $2200. J-316, Journal.

5 ROOM bungalow on 50x100 lot, full basement, 3 blocks from Mt. Tabor carline, $1900. Terms. Call at 90 E. 46th st. Owner.

LEAVING town; for sale or rent, 5 room house, with garage or shop, 40 x60. Tabor 5412.

IRVINGTON—Fine 7 room house, a bargain. 641 Pittock block.

A SNAP, house and lot in Woodstock. Would take $1400. Phone Sell. 3141.

ACREAGE 57

Gibson Half Acres

Good soil, city water, close in carline, easy terms; will build to suit purchaser. Phone Marshall 1985 or Sellwood 476. John H. Gibson, owner.

FOR SALE—By owner, 20 acres, 10-mile circle, all good, lies perfect, 1-3 in cultivation, balance some timber, mostly brush, near Capital highway, $3000, half down. B-471, Journal.

FOR RENT—$100 per year, 10 acres, house, chicken house 20x70, both new, small barn, 35 minutes from Jefferson st. depot, O. E. Ry. F. E. Webster, Orenco, Or.

$10 CASH, $5 PER MONTH buys 80x175 garden tract, 30 minutes out, close to station; water, gas, electricity; price $650. Owner, 603 Stock Exchange bldg.

WILL sell or exchange 2 or 3 acres of fine cultivated land, on Oregon City line at Roth station, for house and lot. Phone Sellwood 3192, or call 839 Nelson st.

CHICKEN, FRUIT, GARDEN ranches near Portland; 2, 5, 10 acre tracts, $65 to $200 per acre, easy terms. McFarland, 505 Yeon bldg., Portland.

5-10 TO 20 acre tract, ½ mile from Hubbard, Or., partly in cultivation; no buildings. See Killingland, 1016 Chamber of Commerce bldg.

ONLY $6 acre, good land, good springs, close to Portland, well open land; terms. F-315, Journal.

FOR SALE—FARMS 17

A PROPOSITION WORTH INVESTIGATING IF YOU WANT SOMETHING GOOD.
DESCRIPTION:

A farm lying between S. P. R. R. and city of Dayton, Yamhill river dividing place from city; boat landing on one end of place and S. P. depot on the other; has ⅝ mile of frontage on the Capital and West Side highway, also electric light and power lines and water main along its front making it an ideal place to subdivide. Has two springs on the place, one of them can be piped anywhere along the front. 125 acres under plow; 60 acres in good timber, 30 acres in cleared, cut off, and brush, 8 in river bank timber and brush pasture. Has two houses, old but comfortable; two barns, two wells, chop house, engine house.

Dayton lies 30 miles south of Portland, has a population of 800, 2 feed stores, 1 grocery store, 2 general merchandise stores, one exceptionally large for a place of this size, 2 drug stores, hotel, 2 hardware stores, bank, bakery, confectionery, 1 blacksmith shop, 1 blacksmith, wagon and paint shop combined, 1 good garage, 8 room high class school, a large drier, 2 warehouses and a farmers' union warehouse, livery stable, box factory, lumber yard, all doing a good profitable business. Shipping facilities good; 10 daily trains and a tri-weekly boat. Price $150 an acre. M. G. Miller, owner, Dayton, Or.

40 ACRES, $1200.

Good soil, spring water, on lower Columbia river and highway, 40 miles from Portland, 2 miles from town, station and boat landing, easy terms.
AKERSON, GOOCH & CO.,
603 Stock Exchange bldg.

40 ACRES most productive soil in Oregon, for sale cheap, 5 miles east of Astoria on the Columbia river highway; all level, part cleared; a snap for cash. Owner, F-314, Journal.

FOR RENT—FARMS 14

WOULD A BARGAIN INTEREST YOU?

12 a. mellow loam, mostly all cult., 2 good houses, 5 poultry bldgs., barn, fruit, stream. High school and town 1 mile; city delivery, phone, stock. Make offer. Two-thirds cash. I. Wheeler, Canby, Or.

FOR RENT 5½ acres near Cook station, on S. P. elec.; 4 acres can be cultivated; 60 big apple trees, 4 room house, chicken house and good well. A. W. Morgan, 410 Panama bldg. Marshall 2682.

ELEVEN acres right in town. Write or call afternoons, 107 6th st. L. Connell.

EXCELLENT land to rent for proceeds of three acres potatoes. M-386, Journal.

FOR RENT—One acre in sod at Gresham. Sellwood 1618.

FARMS WANTED RENT OR BUY 38

MAN, middle age, wants proposition to raise potatoes; owner to furnish everything but labor. R-329, Journal.

WANTED—To rent 15 or 20 acres of cultivated ground suitable for potatoes. R-252, Journal.

TIMBER 28

SMALL logging or milling proposition. Near Holbrook. Near river. Cheap. Parker, 422½ Washington st.