### A TONIC

Of Blood-Root, Golden Seal, Stone and Queen's Root

Also Cherry Bark and Sacred, Bark with glycerine makes a wonderful tonic, called "Golden Medical Discov-ery," making thousands of Oregon people strong. Ask your neighbor— he can tell you.

Corvallis, Oregon.-" Doctor Pierce's

remedies have been used in my father's family ever since I can remember. My mother took the 'Golden Medical Discovery' and Discovery and the 'Pleasant Pellets' and was cured. Father

Pellets' and was cured. Father took the 'Discovery' for torpid liver and indigestion and was greatly benefited. I, also, took the 'Discovery' for kidney, liver and stomach trouble and received great benefit. I am glad to tell others of the merits of Dr. Pierce's Golden Medical Discovery. — D. H. Dulle, 527 S. 5th Street.

Get good blood through the use of Dr. Pierce's Golden Medical Discovery, and you will have no more weakness. It is the world's proved blood purifier and tonic. It's not a secret remedy for its ingredients are printed on the wrap-per. For sale by druggists in liquid or tablets. Start to take it to-day and or tablets. Start to take it to-day and before another day has passed the impurities of the blood will begin to leave your body through the liver, kidneys, bowels and skin, and in a few days you will know by your steadier nerves, firmer step, keener mind, brighter eyes and clearer skin, that the bad blood is passing out and new, rich, pure blood is filling your arteries. Send Dr. Pierce, Buffalo, N. Y., ten cents for trial package.

### PORTLAND MARKETS

Portland, Mar. 27 .- Today's mar-Wheat-Club, 169; bluestem, 175. Oats-No. 1 white feed, 39.00. Barley-Feed, 40.50.

Hoga-Best live, 14.25 & 14.35. Prime steers, 9.50 @ 9.65; fancy cows, 8.00 @ 8.50; best calves, 10. Spring lambs, 13.50.

Butter-City creamery, 39; country. 30.

Butterfat-Unchanged. Eggs-Selected local extras, 27. Hens, 20; broilers, 35; geese, 12 60 13.

Copper, 30.

#### INCASED POSTAGE STAMPS.

Once Used as Money, They Are Now Rare and Valuable.

New York city was the birthplace of a peculiar sort of mancy, made by putting United States postage stamps in flat circular brass cases, with the faces protected by a thin sheet of mica. The incased stamps consisted of these de nominations: 1, 3, 5, 10, 12, 24, 30 and 90 cent, 1862, and this method of protecting the stamps so they could withstand the wear of circulation was the invention of John Gault, who was in business at Park place, New York city.

Mr. Gault manufactured many kinds to be used by business firms in place of small change, as well as the mutilated and worn postage stamps used for money at the beginning of the war. Many of the incased stamps bore the name of the firm on the reverse side, so that the currency served to advertise the firm that issued it.

Occasionally a subscriber asks us in regard to these stamps and their value. Our reply always is that they are of considerable rarity and not infrequently they command a big premium. This is particularly true of the 12, 24, 30 and 90 cent denominations. stamps are eagerly sought for by collectors of both stamps and coins, but especially the former, and they fetch good prices whenever offered at auction sales.—American Boy.



# Scientific Farming

TEST SEED CORN.

In the spring I examined and tested all of the cars, and all those that didn't test at least 98 per cent I didn't plant. I made # the test by taking two kernels of from the tip, two from the butt w and two from the center of the w ear and put them in a box of w damp sawdust and covered it # with a damp, warm cloth and #set it near the stove. At differ #sent times I wet the sawdust, # and it was only a few days till all were sprouted that would .- # Arthur W. Gates, Champion Boy Corn Grower of Missourl. 1914.

#### ROUGHAGE FOR HORSES.

Feeding of Onta and Pea Hay Permits

Reduction of Grain Ration. While outs and pen bay are well knows as roughage for cattle, particularly in dailying, as roughage for horses perhaps it is not so common ly used, says I. L. Owens of the New Jersey college farm. Timothy hay has been held as the ideal hay for the horse, and other hays, especially those rich in protein, are looked upon somewhat unfavorably. As roughage for horses onts and pea hay are worthy of a more extended use on account of their great feeding value. The peas add protein to the ration and more nearly balance it, so that with proper judgment a decided reduction may be made in the amount of grain fed and the animal kept at less cost.

I have wintered twelve head of horses on oats and pea hay, feeding them since early fall, and have never wintered borses more economically nor even had them looking better. The grain ration has been corn and oats, mixed so that the corn was about two thirds by bulk. Where some of the horses have had only sufficient work for good exercise, nearly all the grain was taken away, only three or four quarts being fed a day. The horses have a glossy, healthy appearance and are in fine shape for the heavy spring work that will soon begin. With the exception of a alight case of colic, due to an overfeed of grain, there has not been a case of sickness among the twelve head of horses eating the oats and pea hay.

One item of value in the growing of oats and pea hay should be taken into count. It is the yield an acre. Often a field is continued in timothy when the stand is poor and a light yield certain, in order that sufficient hay may be secured to feed horses for the foilowing winter. If plowed and sowed to oats and peas a much higher yield could be secured. Another item in favor of raising the oats and peas is the opportunity to keep up the fertility of the soil, whereas with timothy the opposite is quite often the case. Oats and peas are cut for hay when the oats are in the milk stage. An opportunity is thus given to sow the ground to cow peas, soy beans or other nitrogen gathering plants, which, plowed under for green manure, add greatly to the soil fertility. Cowpens and soy beans may also be cut and fed green or can be put allo with the corn or bay if the season will allow.

#### FEED FOR YOUNG PIGS.

Grain Mixture That Has Given Good Results In Experiments.

Before weaning young pigs it is well to accustom them to a grain mixture or a slop of sweet milk combined with The Pennsylvania State college agricultural experiment station has ob-tained excellent results with a grain mixture of cornmeal, four parts; wheat middlings, three parts, and tankage, one part. The addition of skimmilk increases the rate of gain. If skimmlik is fed with this grain mixture the amount of cornmeal may be increased to six parts. Other mixtures recommended are cornmeal, eight parts, and tankage, one part, or skimmlik, three parts, and corn meal, one part,

If possible pasture crops should be used for growing pigs. For quick growth of pigs two to four pounds of grain per hundred pounds live weight daily in addition to pasture crops is required. The amount of grain fed should be governed largely by the appetite of the pigs. They should be fed all they will consume without waste twice daily.

Clover Pays In Rotation.

Have you planned to seed more land to clover this spring? The crop pays by making the land more fertile, besides yielding a good hay crop. For seventeen years at the Ohlo experiment station corn on unfertilized land yielded 3.2 bushels more to the acre in a three year rotation of corn, wheat and clover than in a five year rotation of corn, oats, wheat, clover and timothy. On manured land in the three year rotation during this time corn yielded 8.4 bushels more to the acre than in the five year rotation, even though more manure was applied in the latter rotation. The experiment station credits this increased yield of corn largely to the clover crop because it comes once in three instead of once in five years.

POULTRY WISDOM.

As a means to weeding out poor layers and raising the standard of production, pedigree breeding is unsurpassed.

poultry yard could have been prevented if the drinking vessels had been scalded occasionally to rid them of disease germs. The best sized eggs are pro-

duced by the regular layers, while the spasmodic producer usually has an assortment of Fix up a shelfered corner for

the early broody. A newspaper in the bottom of the nest below keep the eggs warm,

It stunts chicks and young bens to get short of grit and If we allow eggs for batching

to get too old or too cold we may expect bad luck with the incuba-

成品技术技术技术品品品品品品品品 化二甲基苯甲基

#### HARDENING CHICKS.

Importance of Regulating the Temper ature Under the Hovers.

The New Jersey station calls atten tion to the importance of the proper regulation of the temperature under the hovers in brooders, says the Orange Judd Farmer. The brooder is thoroughly cleaned and adjusted, and the temperature regulated and maintained uniformly at 98 to 100 degrees two or three days before the chicks are transferred from the incubators, in order that they may feel no sudden change when transferred. Maintain this temperature for two days after the chicks are placed in the brooder. Thereafter gradually lower the temperature beneath the hover until it is about 95 degrees at the end of the first week, 90 at the end of the second and 80 at the end of the third.

Continue this so called hardening off process so that at the end of the sixth week the chicks will be receiving little artificial heat, depending upon the climatie conditions and temperature in the brooder house. The chicks thus gradually become accustomed to conditions met in the colony house and on



MESCLY OF NATURAL INCUBATION.

the range. Run the tamps and stoves as uniformly as possible and avoid variations in temperature from day to day or from night to day. See that lamps and stoves are adjusted to meet any extreme changes in weather. The action of the chicks is an indication of whether or not they are receiving the proper amount of beat. If the temperature is right they will form a loose circle at night. If they are chilled they will tend to pile up against each other. often smothering some and weakening the rest. The proper temperature is the most important factor in artificial brooding.

Poultry Manure.
Poultry manure is more valuable than that of any other common farm animal, and it should be properly handled to prevent waste. Frequent cleaning of the house is necessary, and an absorbent should be used daily-fine dry loam or coad dust or mixtures of these used with land plaster and acid phosphate. Sawdust may also be used with good results. Sifted coal askes, too, may be used, but not wood askes

Analyses and value per ton of ma

nure of different animals; Phos-Nitrogen, acid ash, Value Per Per Per per cent cent cent ton Animal Poultry 0.80 0.60 0.80 1 2.00 100 1 47.07

Bheep 708 201 5.91 5.91 3.30

Hoga 840 308 300 2.21

Lorses 400 200 480 2.21

Cattle 428 290 440 3.02 Poultry manure is particularly well adapted to gardening, and poultry rais-

ers should either use it on their own

gardens or dispose of it at a good price, thus increasing the profits of their flocks.

From 300 to 1,000 chicks may be com-fortably broaded in one flock with -

capacity of any machine should not be overcrowded. Proper attention to all the chicks is impossible if they are crowded under a hover. There should be good ventilation under the hover at all times. It is well to keep the cur-tain raised a trifle. The house should not be allowed to become damp. At the Pennsylvania State college experiment station it is the practice to clean the hover about once a week or oftener if necessary and the brooder house about every two weeks.

#### FIRST "ONE HORSE SHAY."

Quaint Old "Ad." That Told the Public

of the New Invention.

A newspaper advertisement in the London Dally Post of Aug. 22, 1728, a copy of which is in the Wisconsin Historical library, telling of the invention of the one horse chaise, affords an interesting example of the advertising methods at that date. It is as follows: "His Majesty has been graciously pleased to grant his Royal Letters Patent bearing the date of the 20th Day of July last, unto William Chapman, of London, Ceach and Coach-harness Maker (for the term of 14 years) for his sole making a newly invented Chaise or Chair with two wheels, to be drawn by one Horse between a pair of shafts, which is so contrived as to quarter the Roads with great Ease by the Person riding in it, without Lett. Stop, or Hindrance, the Horse continuing in the same path, so as the Wheels go exactly at all times in the Coach Track, by which means the person in such carriage may travel with more expedition, Safety and Pleasure both to himself and florse, than in anything of like nature hitherto invented. The great Use and Convenience of the said invention will readily be made to appear by the said William Chapman at his House in Wormwood Street, London Wall, Near Bishopsgate, where several carriages are already made."

Varieties of Bananas. To most persons in the temperate zones a barrana is a banana. But the truth is that there are over sixty known varieties of the fruit, with as great or greater variation in character as the different kinds of apples. Hawaii is said to have something over forty distinct varieties of the fruit. most of which have been introduced by the whites. Some of these are of ex-tremely delicate and delicious flavor, while other kinds are used, if at all. only when cooked in various ways. There is scarcely a city house lot or country "kulcana" or homestead which does not have a clump or two of bananas, which grow with practically no care, new plants or suckers shooting out to replace the ones which have fruited and been removed.

Quail Aids the Farmer.

"The meat value of the quali is in-considerable - negligible - when compared to the services these birds render to the farm." a bird expert of the University of Oklahoma says. "They prey upon 145 different kinds of destructive insects and consume no less than 120 varieties of noxious weed seeds. They stay on the job twelve months in the year and labor continually when weather conditions permit. I do not believe that the landowners should permit a multitude of so called sportsmen to destroy this powerful ally of the farmer."

A Lily of Asia.

The tillium chalcedonium is supposed to be the filly indicated in the sixth chapter of Matthew, twenty-eighth verse, where it is compared with the gorgeous robes of Solomon, and its color was scarlet or purple. This lily grows profusely in the moist parts of Asia Minor.—Indianapolis News.

"The majority of husbands complain that their hands are always in their pockets." "They do, do they? Then why don't

they find there the letters they have forgotten to mail for their wives?"— Baltimore American.

#### Coffee

To keep coffee fresh on its way from the roasting plant through the grocery store to your kitchen was ong an unsolved problem.

The airtight tins in which Schilling's Best is packed have solved it.

They keep all the flavor in; and all the odor out. They make such fine coffee practicable—and economical.

It goes furthes.

Schilling's Best

## Classified Advertising

STRICTLY FANCY SEEDS-Alfalfa, Red Clover, Timothq, Scarified Sweet Clover, Rye Grass, etc. Ralph Waldo Elden, Central Point, Oregon.

FOR SALE-5-room house plastered with bath and tollet, 711 I street two lots 50x100 each, barn and outbuildings; or will exchange for small house. Address No. 291, care Courier.

FOR SALE-3-h. p. motor, 3-inch pump, three transformers, 365 feet 6-inch galvanized pipe, 58 feet 4inch pipe, one switch, one belt. Inquire G. P. Jester, at Grants Pass Banking Co. 982tf

FOR SALE-Baby chicks 10 cents each; also eggs for hatching, brown and white leghors and banties. Mrs. F. O. Wilcox, 407 Rogue River avenue or telephone 323-R. 31

ANGEL CAKES supplied in any quantity on short notice, 50c each. Phone 190-J. 99211

REGISTERED roan Durham bull for sale. R. F. Gorham, Rd. No. 2 Grants Pass

FOR SALE-One 3 1/2 Peter Shuttler wagon, nearly new, with good wagon bed for \$100.00; one 1horse wagon, in excellent condition, with heavy single harness for \$75.00 Grants Pass Hdw. Co. FOR SALE-Cow with calf one week

old, also several head young stock R. L. Coe, 804 Washington Boule

FOR SALE-132 acres of timber land and sawmill with log wagons; also 640-acre farm for sale or rent for cash. All the above property is within nine miles north of Grants Pass. For particulars address W. J. Savage, R. F. D. 1, Box 54, Grants Pass, Ore.

FOR SALE-Span light driving horses. Weight about 900 lbs. With or without harness and light spring wagon. Address H. B. Reed, Kerby, Ore.

BARGAIN SALE-Modern, sixroom house with two lots, fine location, at 220 West B street. Only \$1,500. See N. E. Townsend, 621 A street.

TO RENT

SMALL FURNISHED HOUSE and sleeping tent for rent. Telephone 235-R.

FOR RENT-Five-room cottage at C and Second streets, bath, gas, etc. Inquire N. E. Townsend, 621 A street.

WANTED |

WANTED-Two men with team to cut and haul wood, six months' work; gas engine furnished. For particulars write L. A. Eldridge, box 26-A, Rd. 4, Grants Pass, 14 POULTRY WANTED-We are in

the poultry business and are in try. Temple Market.

ACCOUNTANTS

IVAN LIVINGSTON, Incorporated Accountant. Bookkeeping systems, accounting and auditing. Address 115 A street.

MISCELLANEOUS

DON'T WAIT for a week for shoe repairing. Wm. Hayes finishes work the same day. Half or full sole Neolin; also best leather; 111 S. 6th street.

ASSAYERS

E. R. CROUCH-Assayer, chemist, metallurgist. Rooms 201-203 Paddock Building, Grants Pass.

TIME CARD

The California and Oregon Coast Railroad Company

Effective December 5, 1916 Tuesdays, Thursdays, Saturdays

Train 1 lv. Grants Pass. 10.00 a. m. Train 2 lv. Waters Creek 1.00 p. m. All trains leave Grants Pass from the corner of G and Eighth streets, opposite the Southern Pacific depot. For all information regarding freight and passenger service call at the office of the company, Public Ser-vice building, or phone 131 for same.

The Round World.
"I hear you have a brother abroad?" "I have."

"Is he a long way off?" "Yes; he could hardly get any farther away without coming nearer."-Boston Transcript.

L. O. CLEMENT, M. D.-Practice limited to diseases of the eye, car nose and throat. Glasses fitted. Office hours 9-12, 2-5, or on appointment. Office phone, 62; realdence phone 359-J.

S. LOUGHRIDGE, M. D., Physician and surgeon. City or country calls attended day or night. Resid phone 369; office phone 182. Sixth and H. Tuffs Building.

J. P. TRUAX, M. D., Physician and surgeon. Phones: Office \$25; reddence 324. Calls answered at all hours. Country calls attended to. Lundburg Building.

DR. ED. BYWATER-Specialist on diseases of the eye, ear, nose and throat; glasses fitted. Office hours: 9 to 12 a. m., 2 to 5 p. m. Phe Residence 224-J; office 257-J, Schmidt Bldg, Grants Pass, Ore.

A. A. WITHAM, M. D., Physician and surgeon. Office: Hall Bidg., corner Sixth and I streets. Phones: Office 116; residence 288-J. Hours: 9 a. m. to 4 p. m.

DENTISTS

E. C. MACY, D. M. D .- First-class dentistry. 109% South Sixth street, Grants Pass, Oregon.

**ATTORNEYS** 

H. D. NORTON, Attorney-at-law Practice in all State and Federal Courts. First National Bank Bidg.

at-Law Grants Pass Banking Co. Bldg, Grants Pass, Ore. E. S. VAN DYKE, Attorney. Practice

COLVIG & WILLIAMS Attorne

in all courts. First National Bank Building. EDWARD H. RICHARD, Attorney-

at-Law. Office Masonic Temple Grants Pass, Ore. W. T. MILLER, Attorney-at-Law.

County attorney for Josephine County. Office: Schallhorn Bidg. O. S. BLANCHARD, Attorney-at-Law Grants Pass Banking Co. Bldg.

Phone 270. Grants Pass, Ore. V. A. CLEMENTS-Attorney-at-Law Practice in state and federal courts. Rooms 2, and 3, over Golden Rule store.

BLANCHARD & BLANCHARD, Attorneys, Albert block, phone 236-J. Practice in all courts; land board attorneys.

DECORATORS AND PAINTERS

PAPERHANGING, graining, paint ing. For the best work at lowest prices, phone 295-J. C. G. Plant, South Park street.

MUSICAL INSTRUCTION

S. MACMURRAY, teacher of voice culture and singing. Lessons given at home of pupil if requested. Address 716 Lee street.

DRAYAGE AND TRANSFER

kinds of drayage and transfer work carefully and promptly done. Phone 181-J. Stand at freight depot. A. Shade, Prop.

P. G. ISHAM, drayage and transfer. Safes, planos and furniture moved, packed, shipped and stored. Phone Clark & Holman, No. 50. Residence phone 124-R.

THE WORLD MOVES; so do we. Bunch Bros. Transfer Co. Phone 397-R.

ABSTRACTS

THE JOSEPHINE COUNTY AB-STRACT company makes reliable abstracts at reasonable rates. Investigate our work and prices, it may save you money. Twelve years in business. Masonic Building. 25

VETERINARY SURGEON

DR. R. J. BESTUL, Veterinarian. Office in Winetrout Implement Bldg. Phone 113-J Residence Phone 305-R.

TAXI SERVICE

TAXI SERVICE For comfort, call a Metz at the Spa confectionery. City and country calls. Service until 11 p. m. Phone 262-R. Residence phone 343-R. E. W. Inman.

Could Suit Her.

you guarantee these colors fast?" asked the customer at the hostery counter.

"Certainly not, madam." replied the new clerk in the fullness of his knowledge. "Black is never considered a fast color, you know. But I can show you something pretty swift in stripes."-New York American.