

BUSINESS AND PROFESSIONAL.

ROBERT B. GOULD
Civil Engineer
Bend, Oregon.

UNDERTAKER.
Licensed Embalmer,
Funeral Director
Phone. Lady Assistant
C. P. NISWONGER, Bend, Ore.

F. H. THOMPSON, M. D.
Physician and Surgeon
Office on second floor of Sather
Building, Wall Street.

ROSS FARNHAM
Attorney at Law
Office in old First National Bank
Building.

MARION M. LESH
Nurse
Lot 11, Block 15, Center Addition
Bend, Oregon

THE J. H. HANER ABSTRACT CO.,
Incorporated.
Complete tract indexes and photo-
graphic copies of all Crook County
records.
Prineville, Oregon

Nature Methods Chronic Disorders
and Dietary Advice A Specialty
DR. R. D. KETCHUM
Chiropractor.
Mechano-Therapist
Hours 9 to 5. 1 1/2 blocks East
of Bend Hotel.

W. W. FAULKNER, D. M. D.
DENTIST
O'Donnell Building
Bend, Oregon

E. C. COE, M. D.
Physician and Surgeon
Office over First National Bank
Office Hours: 10 to 12 a. m.; 1
to 3 and 7 to 8 p. m.
BEND, OREGON

C. S. BENSON
Attorney at Law
Office in old First National Bank
Building
Bend, Oregon

VERNON A. FORBES
LAWYER
First National Bank Building.
Bend, Oregon

GEORGE S. YOUNG
Civil, Mining and Irrigation
Engineer.
Oregon Street
Office with J. A. Eastes.

F. G. MINOR
Postoffice Building
LIFE—FIRE—ACCIDENT
INSURANCE
Notary Public and Conveyancing—All
Legal Papers Correctly Drawn
Fidelity Bonds.

M. J. MAIN
All Kinds of Blacksmith Work
Prices Reasonable
Minnesota St., Bet. Bond and Wall.

U. N. HOFFMAN
NOTARY PUBLIC
Hunter's and Angler's License Papers
a Specialty.
Bulletin Office, Bend, Oregon.

MISS EVA L. GRAVES
Teacher of
PIANO PLAYING
Residence Studio at Mrs. A. M. Lara's
Telephone.

Call
at OREGON STREET
SHOE
SHOP
G. F. HURT
Prop.

**New
PALACE
MARKET**
Charles Boyd, Prop.

MEATS
Vegetables, etc.

R. H. DEYARMOND
Machine Shop and
Garage

We know how to do all
kinds of Machine Work.
TRY US AND SEE.

WINTER POULTRY CARE.

**Precautions Needed to Bring the Bid-
dies Through in Good Shape.**

In the first place the general poultry
house, where all but the latest broods
will necessarily be much confined dur-
ing storms and severe cold, should
have a thorough going over.

If the floor boards have warped,
leaving wide cracks, especially in the
places where the feeding is done, these
should be filled in to secure greater
warmth and especially to prevent the
grain from falling through and attract-
ing rats. Window glass that has been
broken should be reset, not replaced
with a board or sash, since the fowls
will need all the sunshine from
every direction that can reach them.
Then if it is possible give the walls
and ceiling a thick coat of whitewash,
which will seal up all mites and other
vermin harboring in crevices, non-
trailing disease germs of every kind
and help to keep the air sweet and
wholesome, and will besides add very
much to the light and cheerfulness of
the inclosure.

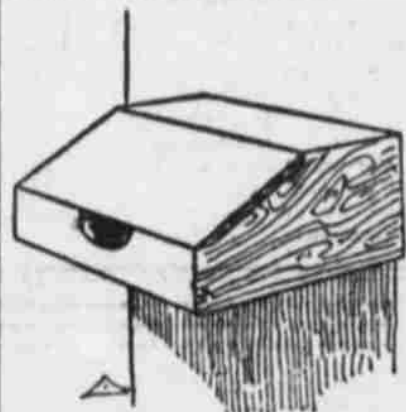
The perches should be improved by
scrubbing, smoothing and treating with
coal oil, especially at the ends that
rest in the sockets. The nest boxes,
too, should have all the old litter taken
out and be thoroughly brushed before
being refilled with short straw or
dried lawn clippings, at the bottom of
which in such a box it is a good plan
to place a handful of tobacco stems or
layers of red cedar twigs, which will
assist in keeping the hens clear of lice.
A sizable dusting box must be pro-
vided with a liberal supply of road
dust, which should have been collected
in the dry weather of summer or early
fall. Lacking this, sifted coal ashes
from furnace or grate may be used,
but never wood ashes, which would
have the effect of bleaching the legs
and loosening the feathers.

Another necessary provision is a box
of crushed oyster shells and other
sharp grit, with the addition of a por-
tion of powdered charcoal.—Farm Pro-
gress.

SALT FOR THE CRITTERS.

**Good Way to Supply It is Loose in a
Homemade Box.**

The best way of salting cattle is to
have it always available so that they
may go to it at pleasure. This can be
accomplished by having a brick of
salt tacked up under the shed where
the animals can lick it, or another good



HARDY SALT BOX.
(From the Iowa Homestead.)

way to use loose salt is to construct a
box, as shown in the illustration, which
is partially filled with salt.

The hole should be large enough that
the animal can put its nose into it and
lift the lid up. The cattle will exam-
ine the box and smelling the salt
through the half moon shaped hole,
put their noses in and lift the lid up.
As soon as they are through licking
the lid will drop down and prevent the
salt from dirt and dust, and from rain,
if the box is placed in pasture.—Iowa
Homestead.

LESS LAND, MORE RETURN.

There seems to be an almost
irresistible inclination on the
part of many persons to culti-
vate too much land. Land well
cultivated will produce better
crops with less work than a
large area poorly cultivated. The
small farm, with the use of
brulais, will do better work than
will the large one where only
muscle is used.

Chasing the Snail.

Snails are often a great nuisance in
a greenhouse and equally so in a cel-
lar. They can be trapped in quan-
tities by placing about the cellar fresh
slices of potato or turnip or fresh cab-
bage leaves. Expose the baits at
night and in the morning gather up
and destroy the snails clinging to them.
Lime scattered about the cellar will
repel the snails, also salt. Bits of
gum camphor scattered about are of-
fensive to them.—Rural New Yorker.

An Important Swine Point.

A point which the less thoughtful
pig breeder frequently overlooks in the
selection of the young sow pig for
breeding purposes is that it should be
descended from a sow or preferably
from a line of sows which have been
in the habit of continuing to give a
good supply of milk for a term of
eight weeks at least after farrowing.

Best Pulp as Dairy Feed.

Dried beet pulp is giving better satis-
faction as a dairy feed than farmers
expected. It is dried at the factory,
twenty pounds of wet pulp down to
one, and when fed to cows the pre-
ferred way is to wet it up twelve hours
in advance with three times its weight
of water. This restores the succulence
—Iowa Homestead.

IS SULPHUR A FERTILIZER?

Until two or three years ago sulphur
was supposed to be an incidental and
practically negligible chemical consti-
tuent of the soil. Recently tests and
experiments which have been conduct-
ed in Germany, France and this coun-
try prove conclusively that the above
notion is a mistaken one and that sul-
phur is an important and vital factor
in plant growth and that the applica-
tion of it to soils greatly increases lux-
uriance of leaf and stem and size of
vegetable product. Perhaps the most
striking results in the research work
referred to have been secured by two
experimenters of the University of
Wisconsin station, Messrs. Hart and
Peterson. While investigating the sup-
ply of sulphur in feeds and its relation
to wool production these men found it
necessary to ascertain the amounts of
sulphur in the common crops used as
feeds. The old method of determining
the amount of sulphur in plants was to
burn them and measure the element
found in the ash. The Wisconsin ex-
perimenters questioned the accuracy of
this method and instead of burning the
plants and products to be analyzed
dried them in the air. According to
their analyses, there were removed
from the soil in a thirty bushel crop of
wheat 15.7 pounds of sulphur instead
of 3.55 pounds, according to the old ta-
bles. In the case of barley, oats and
corn they found that the per cent of
sulphur removed was correspondingly
greater than the amounts indicated by
the former test. In 9,000 pounds of al-
falfa there were removed 37.8 pounds
of sulphur instead of 11.5 pounds of
crop from an acre contained 92.2
pounds of sulphur instead of 44.4
pounds, while with 3,250 pounds of po-
tatoes there were removed 11.5 pounds
of sulphur instead of none at all or a
trace, as indicated by old methods.

The application of sulphur to the soil
by German experimenters was found
to reduce potato disease and increase
the yield. A French experimenter
found that the addition of 1,000 pounds
of sulphur per acre doubled the crop
of beets and increased the yield of tur-
nips a third. The facts made plain in
these experiments prove that sulphur
will have to be classed with other
needed soil fertilizers, and the tiller
of the soil who is interested in the con-
servation of fertility would do well to
bear the fact in mind. Sulphur may be
added to the soil as flowers of sulphur,
in gypsum (calcium sulphate) and in
superphosphates. In sulphates of potas-
sium and ammonium and in stable ma-
nures.

ORCHARD RENOVATION.

A friend who lives in north Iowa,
who has recently been in the vicinity
of Oswego, N. Y., to pack winter ap-
ples, states that there are literally
thousands of carloads of apples in
New York state in old and neglected
orchards that range in size from a
silver quarter to a dollar that are not
worth anything—gnarly, scabby and
diseased. But he also reports that ad-
joining such neglected orchards are
those which have been renovated and
sprayed carefully, in which there is a
nice crop of fruit of good size and
fine quality. The writer has never had
the privilege of a personal in-
spection of these New York orchards,
but from a knowledge of instances of
orchard renovation in central and west-
ern states he firmly believes that there
is a good opening in the purchase of
some of these rundown orchards by

Free Fruit Land at Paisley

**DON'T BE AFRAID OF U. S. GOVERNMENT CAREY
ACT IRRIGATION PROJECTS IN OREGON.**

The day of irresponsible irrigation companies in this state is past. When the Northwest Townsite Company of Philadelphia took over the Paisley Project in Lake County, it gave the largest bond ever given in the state—fifty thousand dollars—guaranteeing completion of the project. Every three months it makes an itemized statement of expenses to the Desert Land Board. All of its advertising books, maps, contracts, subscription agreements and literature is submitted to the Desert Land Board for inspection before being issued.

THE LAND IS LEVEL, FREE FROM ROCK, AND IS A RICH VOLCANIC ASH SOIL. The climate is perfect for fruit, which now grows to perfection at Paisley.

Apples, Peaches, Plums, Pears, Prunes.

Construction work upon the dam and reservoir has now been in progress for three months, with Thomas Hawthorn, State Inspector, on the ground. He was formerly with the U. S. Government Reclamation Service on the Umatilla Project.

Send for 32 page illustrated book. Go to Paisley by automobile stage from Bend and see the land. Our agent at Paisley, Hugh K. Gilmore, will show you the land. It is free to those who pay the cost of putting water on it.

Northwest Townsite Co. are among the largest taxpayers in Oregon, owning townsite sub-divisions at Prineville, Madras, Redmond, Bend, Burns, Vale and also the 840-acre Corn ranch at Paisley, including a 50-barrel-a-day capacity flour mill, and general store.

Our bank references are:
First National Bank, Philadelphia, Pa.
Girard National Bank, Philadelphia, Pa.
Commercial Trust Co., Philadelphia, Pa.
Interstate Finance Corporation, Philadelphia, Pa.
Merchants' Trust Co., Camden, N. J.
Security Savings & Trust Co., Portland, Ore.

Address all communications to our Portland office, 601 Yeon Building. Write now. The average cost of water will be \$16 dollars an acre. We will give you a square deal.

Northwest Townsite Co.

308 Chestnut St., Philadelphia, Pa.

SEE OUR AGENTS IN BEND—
HOMESEEKERS' LAND COMPANY.

men who have the courage to prune heavily and the patience to wait for results. With pruning, fertilizing, spraying, cultivation and thinning of fruit where needed, one would not need to wait long for substantial re-
sults.

Write to the secretary of the Redmond poultry show for a premium list. Over one hundred valuable prizes. 39tf

We do not Give Trading Stamps

Buy your groceries of us, we can save you from five to ten per cent. Trade where your DOLLAR goes the farthest.

L. B. MISENER
CASH GROCERY.
WHOLESALE AND RETAIL.
TELEPHONE. Bend, Oregon.

HOT BREAD

EVERY MORNING at

CORKETT'S
SHUEY'S
MISENER'S
McCUISTON'S—

BAKED BY
American Bakery

**Pilot Butte
Acreage**

Best and Lowest Priced
Acreage on the Market.
Handled by all reliable
real estate dealers.
J. H. Bean
Bend, Oregon

PHOTO NOVELTIES

in the way of
CALENDARS ETC.
and
SCENIC
VIEWS
are now ready.
Drop in and see
them.
You'll have to
hurry if we are
to furnish your
portrait photos
before Xmas.

Elite Studio

WHERE SERVICE PREDOMINATES

The Largest and Best Hotel in Bend

Hotel Wright

(Successor to the New Taggart Hotel.)

Modern Stone Building, Steam Heat,
Electric Lights, Hot and Cold Water
in Rooms, Splendidly Equipped Cui-
sine Service, Sample Rooms. Free
Bus to and from depot.

American or European Plan.
We Cater to First Class Trade.

\$53,000.00

**BEING GIVEN
AWAY**

to those who act as the local representatives of EVERYBODY'S MAGAZINE and THE DELINEATOR—all in addition to liberal commissions. Let us show you how you can.

SECURE A SHARE

simply by forwarding the subscriptions of your friends and neighbors and collecting the renewals of our present subscribers. Try for THIS month's prizes. There are lots of prizes that can be won only by persons living in towns same size as your own. Write at once to the

BUTTERICK PUBLISHING COMPANY
BUTTERICK BUILDING, NEW YORK CITY