FARM AND GARDEN

PORTABLE HOG HOUSES.

An Easy Matter to Put Them In a New Location.

A handy portable hog house in use at the Montana experiment station is described in Orange Judd Farmer as follows:

These houses have been in use for more than two months, and the idea is such a practical one and the outlay so small that we give our exact plan for building.

It might be stated right here that the material for the roof, ends and

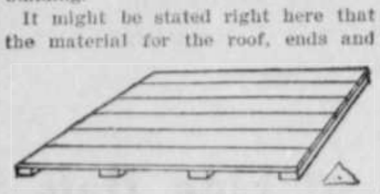

FIG. I—PLATFORM FOR HOG HOUSE.

floor of the hog house was ordinary 1 by 5 tongued and grooved flooring, which cost us at the rate of $23 per thousand. The other material used was the ordinary 2 by 4 scantling, which cost $15 per thousand. First make a platform 6 by 6 feet, with four 2 by 4 pieces supporting it and running the entire length as skids. The platform will appear as in Fig. 1.

Next a 2 by 4 is supported four and a half feet above the center of the platform, with its long way running the same direction as the 2 by 4 skids supporting the floor. Now begin to nail the boards that are to make the slanting roof to the edge of the platform and also to the 2 by 4 supported above the floor. It will not be long before the slanting roof boards will

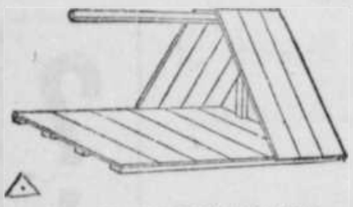

FIG. II—IN COURSE OF BUILDING.

support the 2 by 4 at the top, and the false supports may be knocked out. The hog house partly built may be seen in Fig 2. After the roof is nailed on completely then come the ends of the house. We first fit in pieces of 2 by 4 under the roof and resting on the floor. One of these may be seen in Fig. 2. The bottoms of these are toe nailed to the floor and the tops nailed securely down through the roof. To these 2 by 4's the end boards are nailed. The ends of the house should be so inserted that the roof projects an inch or so beyond, to prevent the rain leaking through in wet weather.

In one of the ends the door is made. A swinging door, as in Fig. 3, is fitted to the opening, and the hinges, which are at the top, are simply loops of wire. This wire runs through holes bored above the door and also through two holes through the top of the door, the idea being to have the door swing either in or out, according to the will of the hog.

Two round openings are placed, one in either end of the house, near the

FIG. III—A MOVABLE STRUCTURE.
[Will accommodate from two to six hogs, according to size.]

peak of the roof. These ventilating holes are about six inches across and are controlled by swinging blocks, fastened sufficiently stiff so as to stay wherever turned. The hog house complete, showing swinging door and ventilator hole, will appear as in Fig. 3. Now, if an armful of straw be placed inside of one of the houses, we have a snug, comfortable and warm winter house. With these individual houses it is a very easy matter, with the use of a horse, to draw the house to an entirely new, clean and dry location.

Farm Brevities.

Anybody who can drive a team can spread manure with a spreader.

It's easy to put off the short jobs till another day, but it never pays.

Down in Alabama they get the best returns by sowing their oats in November.

Keep the water from lodging in the road. That's the secret of the road drag.

Don't throw away the wood ashes. They are valuable for the lawn, garden or orchard.

Put the manure upon the ground as fast as it accumulates. You may have some trouble doing this during the coldest weather, but most of the year it can be done with a spreader.

The Lock Canal.

The time required for the construction of the lock canal at Panama is about eight years, or virtually one-half the time that the sea level would consume in its construction. The expense in round numbers, including the interest on the investment during the additional eight years that the sea level canal would take for building and the loss of profit during those eight years from the tolls which would be earned with a lock canal would make the difference in cost between $150,000,000 and $300,000,000. In other words, the time and cost of the sea level canal are just about double that of the lock canal.—From Secretary Taft's "The Panama Canal" in Century.

FARM FIELD AND GARDEN

RED CLOVER.

Important States In Producing This Forage Plant.

By CHARLES J. BRAND, bureau of plant industry.

At the present time clover culture is carried on in a large though quite well defined area of the United States, often called the clover region, shown on the accompanying map. Ohio, Indiana and Illinois are the most important clover producing states of this region, the boundaries of which may be defined about as follows: It is limited on the north by the forty-fifth parallel of latitude, on the east by the Atlantic ocean, on the south by the thirty-fifth parallel and on the west by

RED CLOVER REGION.
[Map showing locations of experiments (o), sources of seed (+) and general boundaries of the clover region.]

the ninety-seventh meridian. These boundaries do not, of course, mark the absolute limits of clover culture, and it is almost unnecessary to say that there are large tracts within this so called clover region where attempts to grow red clover are not attended with success. Furthermore, excellent growth is obtained in a few regions immediately adjoining this area, and there are also several sections wholly separated from it where clover is grown with notable success. Among the latter may be mentioned the Willamette valley of Oregon, the Palouse country in eastern Washington and also the Gallatin valley of Montana, where red clover is being successfully and profitably grown under irrigation.

Red clover, on account of its great value as a forage plant and because of its power of renewing and maintaining the fertility of the soil, is one of the most important crop plants of modern agriculture.

FARM MANAGEMENT.

Some Advice as to Storing and Holding Grain.

On the subject of crop management Professor Teneyck gives some good advice in Kansas Farmer:

In general successful farming depends upon doing everything at the right time and in the right way. The farmer should push his work and not allow his work to push him. After a crop has been grown it should not be lost or allowed to become damaged by a little carelessness in handling or storing through the negligence of the farmer.

Much of the wheat sold grades low on account of being mixed or not pure in type. Farmers should grow well bred, pure types of wheat, corn and other grains. Nine-tenths of all the corn which the farmer sells grades as mixed corn because it is not pure in color. Pure white or pure yellow corn of the same quality as mixed corn will often sell for 2 to 3 cents more per bushel.

Crop Breeding.

The subject of crop breeding is now attracting great attention. It pays to breed and grow pure varieties of corn and other crops as well as to observe the same conditions in the raising of live stock. I believe that farmers should store and hold their grain longer and not sell so largely at harvest time. This practice throws a surplus of grain on the market, which usually results in low prices and less profits to the farmer and perhaps not always greater profits to the dealer. Grain may be stored and kept for a time in small quantities with less loss to the growers than to the dealers when the same grain is bought and stored in large quantities.

Grain Sold When Damp.

This is especially true with corn, much of which is sold in the fall and early winter, too damp to keep well when stored in large quantities. It is true also of wheat and other grain that when hauled from the thrashing machine may be too damp to store in large elevators. There is a risk to the dealers in handling such grains, hence the low prices; also doubtless there is a tendency on the part of the dealers to make as low prices as possible when the farmer sells the bulk of his crop. Some farmers are obliged to sell at once as soon as the crop has been harvested or thrashed, needing the money and having perhaps no suitable storage room. But this is a hand to mouth method of living and farming, and the thrifty, experienced farmer should make himself independent of such conditions as soon as possible.

BE BEAUTIFUL It is your duty to make yourself as attractive as possible. If you have muddy, sallow, wrinkled, unsightly complexion, learn how to acquire a perfect skin by harmless, guaranteed methods. I will send you a free pamphlet, in a plain envelope, giving all particulars. If you write today. Five years established. MADAME HUDSON, 207 Macleay bldg., 280 Washington st., Portland, Oregon.

MARKET REPORT.

PRODUCE.

(Prices quoted are wholesale.)

Butter, country	20c
Butter, cooking	15c
Butter, creamery, lb	30c
Butter fat	20c
Eggs	20c
Chickens	11 to 13c
Onions, cwt.	$4.50
Apples, bushel, according to quality	$1.25
Chittem bark, old	5c
Mohair	29½
Hides, green	7c
Salt hides, dry	8c
Potatoes	$3.00
Cabbage, cwt	$3.50
Turnips, cwt	$1.50
Carrots, cwt	$1.50
Parsnips, cwt	$2.00

HAY, GRAIN, ETC

(Retail prices are quoted)

Wheat, bushel	$1.00
Wheat and vetch, chopped ton	$26.00
Oats, bushel	50c
Bran, ton	$21.00
Clean wheat chop, ton	$33.00
Oats and vetch chopped, ton	$25.00
Mixed, ton	$24.00
Shorts, ton	$28.00
Flour, valley, cwt	$2.20
Flour (hard wheat, cwt	$2.60
Rolled barley, per 75lb sack	$1.10
Rolled barley, standard, sack	$1.00
Hay, baled, ton	$12.00

LIVE STOCK MARKET.

Cows	2¾
Sheep	4c
Veal, dressed	6 to 7c
Hogs dressed	7½c

Lodge Directory.

REBEKAHS—Cottage Grove, No. 24, Meetings 1st, 3rd, and 5th, Friday of every month.
ETTA BAKER, N. G.
KATIE B. VEATCH, Sec.

ROYAL NEIGHBORS—Meet 2nd and 4th Wednesday of each month.
MRS MARY BAKER, ORACLE.
MRS. C. W. WALLACE, Rec.

W. O. W.—Bohemia Camp, No. 269, Meets every Friday evening.
L. W. BAKER, Consul Com.
CHAS. VANDENBURG, Clerk.

K. O. T. M.—Cascade Camp No. 260 Meets every Thursday night.
O. H. VEATCH, Com.
P. K. BENNIS, Cooter.

K. of P.—Juventus Lodge No. 48, Meets every Wednesday night.
S. R. PIPER C. C.
CHAS. VANDENBERG, K. of R. & S.

I. O. O. F.—Cottage Grove, No. 68, Meet every Saturday night.
GEO. COMER, N. G.
A. BREWER, Sec.

M. W. of A.—Meetings 1st and 3rd Tuesday in each month,
A. S. POWELL, Consul.
C. W. WALLACE, Sec.

M. B. A.—Modern Brotherhood of America. Meet the 2d and 4th Tuesday of each month at I.O.O.F. Hall.
T. W. JENKINS Sec.

W. O. W.—St. Valentine Circle 121, Meets 1st and 3rd Tuesday in each month in W. O. W. Hall.
FLORA J. MILLER, Clerk.

Foresters of America—Meet every Monday evening.
C. C. COFFMAN, C. R.
REN SANFORD, F. S.

A. F. & A. M.—Cottage Grove, No. 51. Meetings 1st and 3rd Wednesday of each month.
OLIVER VEATCH, W. M.
D. E. WOOLFY, Sec.

G. A. R.—Appomatax Post No. 34, Meets at 1 p. m., on the 2d and 4th Saturday of each month.
DR D. L. WOODS, P. C.
G. W. REYNOLDS, Adj.

L. O. T. M.—Lady Lamson Hive, No 42. Meets 2d and 4th Friday of each month.
MRS MARY SCHUMTZ, L. C.
MISS LETA SANFORD, R. K.

O. E. S.—Cottage Grove Chapter No 4. Meetings held on 2d and 4th Friday of each month.
MRS. ROSENBURG, W. M.
T. C. WHEELER, W. P.
MRS. MAUDE WHEELER, Sec.

W. R. C.—Appomattox W. R. C. No. 12, Meets at 1 p. m. on the 2d and 4th Saturday of each month.
MARY DICKEY, Pres.
E. JENNIE WOODS, Sec.

Bleeding When Dehorned.

In answer to an inquiry in Breeder's Gazette W. D. Richter of Missouri says: To dehorn cattle without making them bleed grasp the artery with a small pair of pliers and pull it out. It will break off about an inch below the surface, and bleeding will stop instantly. I have been a successful dehorner for twenty-five years and never lost an animal.

Teaching the Children.

Every school in a farming country should teach agriculture, as every school in a manufacturing community should teach something of its industry. Our schools must be recast and the methods of their teaching reorganized.—Professor L. H. Bailey, Ithaca, N. Y.

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Methodist Episcopal Church, Rev. J. L. Beatty, Pastor, Preaching services at 11 a. m. and 7:30 p. m. Sunday School, 10 a. m., Epworth League, 6:30 p. m., Prayer meeting Thursday evening at 7:30. All are cordially invited to be present

Christian Science services held over Allison's Barber shop every Sunday morning at 11 o'clock and Wednesday evening at 8 o'clock.

Christian Church, Rev. D. E. Olson Pastor. Services at 11 in the morning and 7.30 in the evening. Y. P. S. C. E. meeting at 6:30 p. m. Sunday school at 10 o'clock, Intermediate Endeavor Society at 2:30 and Choir practice every Saturday evening at 7.30.

First Presbyterian Church, Pastor Rev. R. G White. Morning service, 11, evening 8, Y. P. S. C. E. 7 p. m. All strangers and sojourners welcome.

State of Ohio, City of Toledo, } ss
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Frank J. Cheney makes oath that he is senior partner of the firm of F. J. Cheney & Co., doing business in the City of Toledo, county and state aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh cure.

FRANK J. CHENEY.

Sworn to before me and subscribed in my presence, this 6th day of December, 1886. A. W. GLEASON,
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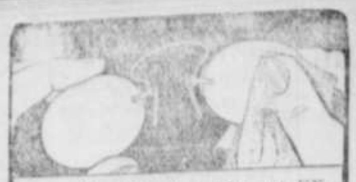
Take Hall's Family Pills for constipation.



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No appetite, loss of strength, nervousness, headache, constipation, bad breath, general debility, sour risings, and catarrh of the stomach are all due to indigestion. Kodol Dyspepsia Cure cures indigestion. This new discovery represents the natural juices of digestion as they exist in a healthy stomach, combined with the greatest known tonic and reconstructive properties. Kodol Dyspepsia Cure does not only cure indigestion and dyspepsia, but the famous remedy cures all stomach troubles by cleansing, purifying, sweetening and strengthening the mucous membranes lining the stomach.

Kodol Dyspepsia Cure after meals is not only thoroughly reliable digestant, but it contains great tonic and reconstructive properties as well. This famous remedy enables the stomach and digestive organs to thoroughly digest, assimilate and contribute to the tissues all of the nourishment that is contained in such food as may be eaten.

Kodol Dyspepsia Cure clears the way and makes sure the journey from sickness to health and weakness to strength. If the stomach is disordered Kodol will cure it.

Kodol Dyspepsia Cure lays the foundation for health, and the upbuilding of strength by cleansing, purifying and sweetening the glands and membranes of the stomach, and by supplying natural juices necessary to perfect indigestion, assimilation and nutrition. Kodol digests what you eat, prevents colic, cholera, diarrhoea, flux, dysentery and summer complaints generally, and its use will cure indigestion and chronic dyspepsia permanently. Kodol is good alike for young and old. Your druggist sells it.

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ELY BROTHERS, 56 Warren St[reet, New York.]

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In effect Sunday, Nov. [...]

NORTH BOUND

No 16
No 18 Cottage Grove Local
No 12
No 14 New Fast Train

SOUTH BOUND

No 15
No 13 New Fast Train
No 11
No 17 Cottage Grove Local

O. & S. E. R. R.

Time Table No. 4
To take effect November [...]

East Bound — 3 and 4 Tuesday and Sat only; 1 and 2 Daily Except Sunday.

No 3 P.M.	No 1 A.M.	Miles	STATIONS
2:30	7:30	0	Cottage Grove
2:40	7:50	3.5	Walden
2:49	7:59	6.5	Cerro Gordo
3:00	8:14	8.6	Dorena
3:15	8:40	12	Star
3:26	8:50	13.5	Wicks
3:35	9:05	15.9	Red Bridge
3:38	9:15	16.6	Wildwood
3:50	9:45	20.0	Disston

Subject to change without [notice.]

All outward freight forwarded [at] joint risk of shipper and consignee. Stage leaves Wildwood after the train on Mondays, Wednesdays and [Fri]days for Bonita and Orseco. Returning [Tues]days, Thursdays and Saturdays. Freight will not be received at the R. R. Depot after 5 p. m. To insure [load]ing on next train freight must be [in] ample time to permit of it being [loaded.]

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Gentleman or lady with [good] reference, to travel by rail or [with] a rig, for a firm of $250,0[00] capital. Salary $1,072.00 per [year] and expenses; salary paid we[ekly] and expenses advanced. Add[ress] with stamp, Jos. A. Alex[..] Cottage, Grove, Ore.

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