

Practice of Handling Grain in Bulk

BY S. H. MOORE.

I HAVE read with interest numerous articles with regard to the practice of sacking grain and also handling it in bulk. It may interest some who have never seen the latter method employed, to learn how it is done in the Central States.

Leaving the farm in the Spring of '90, my father and I built an elevator in Brimfield, Ill., and were in the business ten years. As I had owned and operated a threshing machine, corn sheller and clover huller previous to going into business, I can speak from experience; and it seems to me that the following is the easiest and quickest way.

The farmers in each neighborhood exchange work during threshing and corn shelling. All have tight wagon boxes, holding from 80 to 100 bushels of oats. Each machine is equipped with an elevator which carries the grain high enough to run into a scale box. It is weighed by automatic scales, then run out in a swinging spout, which is long enough to swing from the full wagon to an empty one.

Each hauler shovels his own load and drives direct to the elevator unless storing it at home.

Some farmers have a portable granary, which can be drawn by two horses wherever the straw stack is wanted. (No straw is burned there and the grain is shoveled and run into the elevator, which avoids shoveling it back. With lumber as cheap as it is in the Northwest this plan could be used to advantage.)

When the load arrives at the elevator the load and driver are weighed on platform scales, which are set inside of the office with glass front, with figures on

both sides of beam in view of the driver, who can see whether the weights called off compare with those on the beam. He drives up the incline into the elevator upon two dump logs, with lever attached. A trap door is then opened in the floor at the rear end of the wagon. The lower end-gate is made with a hinge in the middle, so it can be taken out without removing the others. When removed and the lever pulled, the rear end of the wagon is dropped letting the grain run through the trap door to the hopper, which is attached to the elevator. When the wagon is emptied it is thrown in crosswise, the wagon weighed, and the driver given a weight ticket.

We have weighed a load, dumped it, weighed the wagon, been given a ticket and elevated the load in one and one-half minutes. Three minutes was the average time. The grain loaded direct to the cars have been filled in eight minutes. To load, nail up a car, and run it into place took about 30 minutes. No cleaning machine was needed if the grain was cleaned at the threshing machine and corn sheller.

Three loads were handled there to one here, in the same distance, direct to the elevator. Here it took me all day to make one trip, having to wait so long for my turn. Considering the cost of sacks, thread and amount of extra men, the amount saved amounts to quite a sum.

Portland Stockyard Notes

Monday, April 26, 1915.

The market opened today with 40 cars of cattle, eight of hogs and three of sheep.

When the stock train came in yesterday 40 loads of cattle looked like too many for the trade, but up to the hour this is written all classes are moving readily at steady prices.

Top grain-fed steers of fancy quality are selling for 7.75 with the bulk of sales on grain-fed stuff at 7.35 to 7.50. One load brought 7.65.

Hay-fed cattle are selling from 25 to 50 cents under those finished on grain. Cows and heifers are going at a dollar a hundred under the prices obtained for steers of like quality.

The hog market made another jump today and tops brought 8 cents, with the majority of sales at 7.95. Heavy and roughs are selling a dollar a hundred under tops and pigs weighing from 100 to 125 pounds 75 cents under.

The sheep market is holding fairly steady today, but every indication points to a lower market here before many weeks have passed.

Today Spring lambs are selling for 8.75, yearlings, 7.25 to 7.50; ewes, 5.25; wethers, 6.75 to 7. These prices apply to sheared stock. Those with the wool on sell a dollar higher on the hundred.

Ed Cole, of Haines, Or., the man who for the past three years has shown the grand champion load of steers at the International, is a shipper today and reports the range in his section as badly in need of rain and that unless it comes soon the grass there will be very short this season.

M. L. Goodwin, of Brogan, Or., had the honor of selling the first load of hogs to bring 8 cents a pound in 1915.

Van Syke Bros., of Milton, Or., sold a load of cattle today for 7.65, one of the high marks of the session.

W. J. Clayton, of Monida, Mont., sold a small bunch of black cattle today for the extreme figure of 7.75.

When to Apply Lime.

"The best time to apply lime," says M. A. Bachtell, of the Ohio Agricultural College, "is during the preparation of the seed bed for corn. The thorough cultivation of this crop mixes the lime with the upper soil. By the time clover is sown on that soil the lime has changed it from a sour to a sweet condition. The time for applying lime, however, admits of wide variation. Usually a busy Spring compels the farmer to spend his time in getting ready for the season's planting. If liming is neglected it can be done at the time of the preparation of the seed bed for wheat.

"Lime should not be applied to the surface and immediately plowed under as this tends to place it too far from the surface, where it is needed. Neither should the caustic forms, hydrated lime and quicklime, be applied in connection with manure and fertilizers.

"It is better to plow the manure under and put the lime on top of the soil. In case the manure is desired for top-dressing, the lime should be worked into the soil at least two weeks prior to application of the manure. Likewise it is well to apply the lime some time previous to commercial fertilizers."

Real Blarney.

An Irishman who was begging in the street was asked by a lady how it was that such a fine, strong man as he should be asking for alms. With native blarney he replied: "Lady, begging is the only profession I know in which a gentleman can address a beautiful woman without having an introduction." The remark was quite profitable.

BARGAINS IN FARMS FOR SALE ONLY

205 ACRES, 2 1/2 miles from Creswell, Or.; 100 acres fine, level land, balance rolling; black soil, lots of fine springs, between 3 and 5 million feet of fine timber, fir and cedar; soil of good depth and would make a dandy farm; part of this place was under cultivation, but has since grown up in brush.

JUST THINK, YOU CAN BUY THIS 205 ACRES FOR THE RIDICULOUSLY LOW PRICE OF \$3000. Must be cash.

100 ACRES, 3 miles from Waterloo and Sweet Home, Or. 50 acres now in crop, 50 acres in pasture; all fine river bottom and no rock or gravel; on good county road, R. F. D., cream route; good family orchard in full bearing and all kinds of berries; good 7-room house, large barn and all outbuildings new; with place goes 2 fine cows, 4 hogs, and farm implements; crop goes with the land.

This place can be bought, if taken at once, for \$7000, \$5000 cash. This is one of the finest farms in Linn County and it is a shame to sell at any such figure.

TRADES TRADES TRADES

25 ACRES. 10 1/2 acres right in the town of Beaverton, Or. All in cultivation. Modern 7-room house, fine barn, 5 acres in full bearing orchard. All under woven wire fence and cross fence. This is valuable property as it is so close in it will make fine homes of one-acre tracts. The price is \$12,000. Will take in trade a smaller tract in some good town in the Willamette Valley and take back a mortgage for the balance.

50 ACRES in the beautiful Grande Ronde Valley of Oregon, 9 miles from LaGrande, 4 1/2 miles to R. R. All in cultivation; all level, fine fences, 25 acres in alfalfa, 150 fruit trees in full bearing, and all kinds of berries. Place well watered and partly subirrigated by numerous springs. Water piped to house and barn, good 8-room house, with 20x30 washroom and woodshed attached. Fine barn, hoghouse, and colony houses, chicken-house and scratch shed. Granary and root cellar. Close to school, R. F. D. Price \$10,000. Will trade for a larger tract of land suitable to go in the stock business. Would prefer the Willamette Valley. Will not assume.

HERE IS A BEAUTIFUL PLACE. 88 acres, 9 miles east of Oregon City and 21 miles from Portland, 40 acres in cultivation; balance in pasture, all easily cleared. Bounded on two sides by Clear Creek; 2 living springs, can be piped to house; good 7-room house, large barn, chicken and hoghouses, family orchard, all kinds of berries, store on adjoining place, 1/2 mile to school, churches within 3 miles, telephone, cream route and R. F. D. Good team, harness and wagon, mower, hack, seeder, cultivator, elder press, cow and brood sow.

Price \$3800. Will trade for a place east of the mountains in Oregon up to \$5000.

THE PLACE WITH A BIG INCOME.

249 acres, 4 miles from Ellensburg, Wash., 100 acres irrigated, with paid up water right, 3 acres in full-bearing orchard, 50 acres more in grain. Balance in bunch grass. On main road, rocked, R. F. D., telephone, cream route. Modern 10-room house plastered, bath, toilet, electric lights, stationary wash tub and electric washer. Fine team, modern electric lights, modern silo. Houses for 500 chickens. All kinds of small fruits. All outbuildings, too numerous to mention. With place goes 18 head of fine horses, 30 head of cows, 92 hogs, 400 chickens and 700 eggs in incubator. A fine set of new farming implements worth \$1413. Most of the stock is registered and of fine varieties. A complete list given on application. This is a very complete farm and has to be seen to be appreciated. Price \$36,500. Will trade for a farm in the Willamette Valley up to \$30,000. But must be smaller.

25 ACRES just outside of Middleton, Or., 18 miles from Portland, on S. P. Electric, 22 1/2 acres in cultivation, 2 1/2 acres in pasture. It is all fenced and cross-fenced, no rocks or gravel, on Pacific Highway, 1/2 mile to school, R. F. D. and cream route; nice 6-room house, good barn and chicken-houses; is now seeded for Spring; has fine family orchard and all kinds of berries. With place goes 4 cows, 3 heifers, one team horses, 300 Leghorn hens, wagon, buggy, mower, rake, plow, harrow, disc, fan mill, cream separator. All household furniture, enough cordwood for 3 years, also adjoining 7 1/2 acres rented and seeded. This goes with the place.

Now the price. It is not a misprint, but \$7500 takes it or will trade for a larger place in the Willamette Valley up to \$9000.

104 ACRES at Rooster Rock, on Columbia River, close to Portland, Or.; station on the place; 35 acres in cultivation; 2 small houses with bath and toilet, large barn, modern hoghouses, blacksmith shop, fine water supply from spring on highest point of property, 40 acres in fine view property and can be subdivided into acre tracts and sold for summer homes. There are 8 acres of heavy land in cultivation. The price is \$19,000. Will take a smaller place up to \$7000 and a mortgage back at 6 per cent interest for 10 years.

119 ACRES, 2 miles from Sweet Home, Or. Crushed rock roads, 80 acres level and in cultivation, 15 acres in timber, balance in pasture, 2 acres in bearing orchard, all kinds of berries, good house and barn, smokehouse, blacksmith shop and other outbuildings. Cream route. Price \$11,900. Will consider a smaller farm up to \$7500. Must have \$1500 in cash and a mortgage back on the balance.

150 ACRES 2 miles east of Hartley, Idaho 112 acres in cultivation, now in crop. All under fence, 10 acres in alfalfa, 55 acres in wheat, 41 acres in barley, 12 acres in pasture. One mile to school. Good house, barn and all outbuildings, including blacksmith shop. With place goes 3 horses, wagon, plow, harrow, binder and gasoline engine, new. Price \$2500. Will trade for small farm up to 25 acres in the Willamette Valley in value.

FINE ALFALFA FARM.

160 acres, 4 miles south of Hermiston, Or., consisting of 68 acres in bottom land, mostly in alfalfa. Balance is low bench land lying along the irrigation ditch, with 15 acres in alfalfa. Every bit is good land and all is under the ditch with 18000 water right, paid up. There is a new house and all outbuildings and is all under fence and cross fence. Price \$25,000. Will trade for a good farm west of the mountains up to \$32,000.

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