

SWINE EVOLUTION

ANATOMY CHANGES BROUGHT ABOUT WITH A VIEW TO BETTER BACON.

So far as we can learn from the fragments extant and the limited descriptions of the eighteenth century pig, it must have been very similar in form and character to the American rail splitter, which is said to be capable of passing with ease through the ledges of an ordinary gate or rail fence by merely turning itself half over and negotiating the obstacle sideways, or, as in some districts, it was of that coarse, heavy bodied, ungainly form with which some of the older of your readers who have traveled in the Fen and some other districts may be familiar. The greyhound type was as equally well suited for the performance of those scavenging duties which extended to the removal of various ironrous morsels which our careless forefathers allowed to collect in the larger villages or even towns as for the raising of hams and the conversion into portions of varying quality of the enormous quantities of acorns, beech masts, etc., which were to be found in the numerous forests, woods and unenclosed grounds which were private or public property. The increase of population, the necessary sanitary regulations and the enclosure of these vast areas of woodland deprived the greyhound pig of its raison d'être. The taste for meat somewhat more luscious if slightly less savory than the three or four year old pork furnished by the gaunt densens of the forest, combined with the necessity for a less expensive meat-making machine, when the materials for its production had to be purchased or grown, led our forefathers to seek to improve the original pig.

During the first quarter of the century, when farmers were struggling through a course of agricultural depression quite as severe if not so long continued as the present generation of agriculturists have experienced, the pig of the period appears to have re-



POLAND-CHINA BOAR.

trograded rather than improved in quality. The coarse, ungainly pig was general then. At a later period the Chinese and the Neapolitan pigs were introduced and taken up so keenly by fanciers and more wealthy landowners and farmers that soon after the middle of the century our pigs had not only lost that coarse size and coarse flesh whose loss was a gain, but the improvement was too great, and that a certain amount of size and quick growth, both desirable and necessary, had, like the lean meat in the pigs, been lost. The fashionable pigs of that day had become more animated bladders of air, very pretty to look upon when their curly hair had been washed and boiled, but of no practical use but for the furnishing of fat with which to fry fish. This error in the selection of the porcine world was increased by our American cousins, who perhaps saw in them so marked a difference to the pigs in the States that they desired to possess something entirely dissimilar to the pigs belonging to their friends and neighbors. To such a pitch had this fancy for roly poly pigs attained that the complaints of our curers of hams and bacon were both loud and deep. Fat salted pork and lard could be produced in the States at about half the cost of manufacture in England, so that only the longer and leaner of the English fat pigs could be converted at a profit by our home curers, who naturally could not obtain a supply of the raw material to keep their plant at work. German and subsequently Swedish and Danish curers began to compete with our own curers, to be followed by large importations of Canadian bacon to such an extent that self preservation drove the English curers to devise some means of calling the attention of our pig breeders to the folly of producing pigs which would realize but a second or third rate price on the market and to the fact that a continuance of such a suicidal system must eventually drive our bacon curers out of the market and give to foreigners the monopoly of supplying our markets with exactly that class of pork products which is most profitable to manufacture.

One or two breeders of repute took advantage of the opportunity and produced pure bred pigs of the bacon type and succeeded to such an extent in combining length and depth of frame with a large proportion of lean meat that a marked change soon became noticeable in the country pigs in many districts, and our British bacon became consequently first class. Our foreign rivals, noticing this improvement in the pigs of a certain breed, speedily availed themselves of the opportunity to purchase large numbers from the original breeders, so that now our ascendancy in the bacon trade is again being challenged, and it will behoove us to look well to our hawks or we shall find both the Danes and Canadians taking a considerable portion of our best trade.

NO WASTE IN A STEER.

All the Parts of the Beef are Used by Packers.

P. D. ARMOUR, the king of packers, in an address before the National Stock Convention brought out the following concerning the great industry:

To begin at the beginning of the methods pursued in the great packing plant of the present day, you will note that after rigid federal and state inspection of the animals they are slaughtered, then the hams are cut close to the bone, and the ribs are removed from the horn itself is dyed, sorted into various grades and is shipped to the manufacturer. After being pressed into flat plates, these are manufactured into combs, buttons and ornaments of many kinds. The tips of the horns are made into mouthpieces for pipes, and the scraps are utilized by florists as a fertilizer.

Next also the further saving effected by the utilization of the bones. The knuckles are removed from the feet, and the shanks of the animal after boiling and cleaning are used in the manufacture of knife handles, buttonholes, buttons and various articles in which ivory and bone are used, and it is very difficult to distinguish the hard bone from ivory, it being susceptible to a very fine polish. The scraps are used by the manufacturers of bicycles and screws for case hardening steel and are also used for

STUDY THE MARKET

HOW TO GET THE GREATEST PROFITS OUT OF DAIRY PRODUCTS.

The sale of dairy products at remunerative rates depends much upon appearance. The British seem to understand this better than we do. At the dairy show recently held at the Agricultural Hall, London, there was a case of exhibits which invariably attracted the attention of a large and admiring audience. The exhibits in question were some remarkably clever designs constructed of butter and built up entirely by hand. The illustration which accompanies this article is from a photograph of one of the best modes made. A great deal of time was spent in working out the design, and it represents a considerable amount of ingenuity and care, every minute detail being carefully finished and natural. The design is in form of a shield, built on a wooden ground, covered with velvet. The border of flowers which surround the shield consists of lilies of the valley, roses, violets, arums, lilies, passion flowers, orchids and carnations.

Marketing plain milk involves some interesting questions. The organized efforts of milkmen in different parts of the country to get better prices for the milk should prove of general advantage to all dairymen in calling their attention more minutely to the market side of the question, says S. W. Chambers in The American Cultivator. When milk is sold to consumers in cities at 8 cents a quart and the producer receives only 2 and 3 cents for his

product, there is something wrong. Not only this, but a great deal of the milk is adulterated before it reaches the consumer, so that much of it actually brings 9 and even 10 cents per quart. The city inspectors test the milk as it arrives in the cities to see that the dairymen have not adulterated it, but the middlemen can water it to suit their customers' tastes without much fear of discovery.

It is more profitable today to sell milk in the cities than to raise it on the farm. The margin of profit on the farm is almost too small to attract the attention of the business man, and is exceptionally trying and tedious. To place our dairymen on a farm basis something should be done so that there is more equitable distribution of profits. If consumers are satisfied with paying 8 cents for bottled milk, the farmer should not get more than half the profits go to the transportation companies and the middlemen.

Why should not milk be sold on commission, as most other farm products? Commission merchants find it profitable enough to do this, and a dairy line or company should find it to its advantage to handle milk in the same way. Then if milk soured or was hardly up to the mark the shipper would be responsible. There would be seasons then when the dairymen would make a large profit. At present the summer season always opens with a cutting of rates. The milkmen of cities cut the rates down about one-half, but the consumer pays just as much as ever. The result is that the dairymen and his wife, Mrs. Callie I. LeFevre, the matron, Ohio, which is widely presided over by the president of the Troy Transfer Co., of Troy, Ohio, where this remedy has accomplished many other cures in Throat and Lung Troubles. In conversation with an acquaintance Mrs. LeFevre also said: "If you will call on Mr. W. H. Schauss, a prominent citizen and art merchant of Springfield, Ohio, you will find that he, too, has had any amount of experience with Acker's English Remedy in his family, and thinks they cannot keep house without it."

DAIRY UTENSILS.

Cleanliness the Only Safeguard Against Bacterial Infection.

Never neglect the care of the churn, says George E. Newell in The American Cultivator. Slight negligence in this direction may cost you the price of many a pound of butter.

After a churn has been some time out of use it should be thoroughly scoured with salt and repeatedly scalded before being again employed.

Nothing will penetrate the crevices of a churn like hot water, and it needs to be at a boiling temperature when applied.

There is nothing gained in patching up old utensils about a home dairy or manufactory. Like farming tools, the apparatus of a creamery or cheese factory generally deteriorates more quickly in value from neglect than from practical use in its especial sphere.

The greatest care should be taken to expunge every atom of salt or brine water from the ironwork of dairy utensils.

Rigid drying by both an absorbent cloth and heat will do this satisfactorily. I have known a new \$25 curd mill to be so corroded by rust in one season as to be nearly ruined.

By proper care it could have been made to run ten years without repair. It is important to keep butter tools scrupulously clean, how much more so in a creamery.

First, after a time of cold water, the cans and other tinized lactical utensils are washed thoroughly with warm water, changing the bath frequently to keep it clean.

Now follows the coup de grace, the death dealing blow to bacteria and spores. This is the scalding process. Where a good steam pressure can be obtained superheated steam is the best

A POPULAR INK.

David's celebrated writing fluid kept in stock at the Institution office is now used at the

Post Office, Shute & Foot, Bankers, Treasurer's Office, Court House, Suppl. Schools, Court House, T. H. & E. R. Tongue, Law Office, Smith & Bowman, Law Office, H. Wehrung & Sons, Merchants, P. O. Brown, Furniture Dealer, Private Citizens.

The fluid when first used on paper is of a beautiful bluish tinge but after exposure it turns to a jet black. It will not fade in the brightest sunlight. No sediment is left in the ink well and it does not become thick or clogged.

Try a bottle of it.

In charge of experienced conductors and porters.

Upholstered Tourist Sleepers

Second-Class Sleeping Cars

ATTACHED TO ALL THROUGH TRAINS.

West Side Division.

BETWEEN PORTLAND & CORVALLIS

Mail Train Daily (Except Sunday).

7:40 A.M. Lv. Portland Ar. 5:20 P.M. 8:41 A.M. Lv. Hillsboro Ar. 4:29 P.M. 11:55 A.M. Lv. Corvallis Ar. 1:29 P.M.

At Albany and Corvallis connect with trains of the Oregon Central & East Oregon Ry.

Express Train Daily, (Except Sunday).

1:50 P.M. Lv. Portland Ar. 8:25 A.M. 6:19 P.M. Lv. Hillsboro Ar. 7:13 P.M. 7:50 P.M. Lv. McMinnville Ar. 8:50 A.M. 8:30 P.M. Independence Ar. 4:50 A.M.

Through Tickets

To all points in the Eastern States, Canada and Europe can be obtained at local rates from C. E. H. Schauss agent or John H. Gault at the independent office Hillsboro.

G. KOEHLER, C. H. MANKHAM, Gen'l. Pass. & Ticket Agent, 104 S. Main Street, Portland, Ore.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

Address, W. H. HURLBURT, Gen'l. Pass. Agent, 222-224 Washington Street, Portland, Ore. Gen'l. Agts. Nor. Pac. S. N. Co. Portland, Oregon.

STUDY THE MARKET

HOW TO GET THE GREATEST PROFITS OUT OF DAIRY PRODUCTS.

The sale of dairy products at remunerative rates depends much upon appearance. The British seem to understand this better than we do. At the dairy show recently held at the Agricultural Hall, London, there was a case of exhibits which invariably attracted the attention of a large and admiring audience. The exhibits in question were some remarkably clever designs constructed of butter and built up entirely by hand. The illustration which accompanies this article is from a photograph of one of the best modes made. A great deal of time was spent in working out the design, and it represents a considerable amount of ingenuity and care, every minute detail being carefully finished and natural. The design is in form of a shield, built on a wooden ground, covered with velvet. The border of flowers which surround the shield consists of lilies of the valley, roses, violets, arums, lilies, passion flowers, orchids and carnations.

Marketing plain milk involves some interesting questions. The organized efforts of milkmen in different parts of the country to get better prices for the milk should prove of general advantage to all dairymen in calling their attention more minutely to the market side of the question, says S. W. Chambers in The American Cultivator. When milk is sold to consumers in cities at 8 cents a quart and the producer receives only 2 and 3 cents for his

Portland Business College

Portland, Oregon

A. P. ARMSTRONG, LL. B., Principal. J. A. WISCO, Penman & Secretary.

THE BUSY WORLD OF BUSINESS

gives profitable employment to hundreds of our graduates, and will to thousands more. Send for our catalogue. Learn what and how we teach. Verily,

A BUSINESS EDUCATION PAYS

SAVE YOUR STAR TINS

FREE!

Special Notice

STAR PLUG TOBACCO

Send tags to CONTINENTAL TOBACCO CO., St. Louis, Mo.

THE ABOVE OFFER EXPIRES NOVEMBER 30th, 1902.