

Department of Commerce and Labor has received reports from its various consuls in Germany giving accounts of a meat famine in the Faderland. The searcity of cattle in Germany is probably due primarily to the strict laws of that country forbidding importation of live stock from countries in it is fit to kill. After animals are put which certain animal diseases are to death those whose fiesh is consid known to exist. The elaborate and ered absolutely dangerous are decomplicated system of inspections and prohibitions imposed upon the importation of meats and domestic animals by the new meat inspection law of Germany, which went into effect a few months ago, had the effect of increasing the prices of pork, beef, yeal and mutten by diminishing the available supply. On account of a few cases of Texas fever which existed among the cattle coming from the southern and Western part of the United States, live stock from this country are excluded; similarly because cases of foot and mouth disease were known to exist in Russia, Denmark and Sweden, cattle from those countries are likewise de-

nied admission. Soon after the new inspection law was put into effect the imports of live jected to a temperature of from 220 te stock and meat supplies greatly decreased until the situation in Germany sold to the poor, like the rest. The was extremely grave. Prices asked for fourth class animals are those which

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ing facilities are constantly employed and these in conjunction with power ful ventilating fans keep the establishment clean and odorless.

Every animal that enters the Berlin abattoir is inspected to see whether stroyed. Owing to the prevalence of poverty the German authorities are un \$1.80 per bushel. willing to waste anything that can be The first class consists four clof meat which is thoroughly sound; this is allowed to go to general mar kets. The second class consists of animals having some small local disease which does not taint the bulk of the meat. The affected parts only are destroyed and the rest is sold directly to poor consumers in quantities not exceeding six pounds. The third close is that which is of a quality so diseased that it cannot be safely sold in without detrimental results if thor

oughly sterilized. It is accordingly sub-230 degrees in a steam boller and then dressed meat went cuite beyond the are so diseased as to merit total de reach of many working people in the struction. While it may appear loath-

From time to time the United States | ways is very complete. Ample clean- | injurious in the orchard pasturing, the orchard with neither sheep or hogs resulted in better yields than those not pastured. The fertilized orchards yield an average increase of 55 busis

els per acre over those to which no fertilizer had been applied. Data was collected of the value of spraying apples and it was shown that while 8,430 bushels of sprayed apples brought an average of \$2.02 per bushel, 6.365 bush els of unsprayed apples brought bui

The effect of distance between trees saved. Animals killed are divided into planted before 1880 was studied in its relation to yield. Taking figures from an average of four years it was found that trees planted 20 by 30 feet apart yield 186 bushels per acre; trees 31 by 31, to 35 by 35 feet apart, 222 bushels per acre, and trees 36 by 36 to 40 by 40 feet apart yield 229 bushels per acre a year. Observations in the counties showed that while the site is not a very important factor the best site is doubtless one that is sufficiently elevated to give good annortunity for al: a raw state. However, it may be esten and for water drainage and not so high as to be especially exposed to the wind

This survey of the New York section covering, as it does, the actual prac-tices of farmers in two of the most important fruit-growing counties of New York, and giving the actual results in yields and income by different meth ods of treatment in hundreds of or chards, is on a sufficiently large scale to make the results obtained of more than usual value and interest. It is exceedingly gratifying to find that the 287, which can be had upon application cultural methods long recommended to members of Congress or to the Sec-

trials on a small scale hold true when applied to orcharding on a commercial scale.

Up-to-Date Weather Reports.

The latest work upon which the United States Weather Bureau has entered is a system of meteorological observations from vessels at sea by wireless telegraphy and the simultaneous issuance of weather forecasts and storm warnings to those vessels. The Weather Bureau has prepared a special code by means of which exact informa tion as to date and hour, latitude and longitude of the vessel, atmospheric pressure, temperature, force and direction of the wind, and the character of the sky are all compressed into four words. As soon as any coast wireless telegraph station receives such dispatch from vessels, the message is to Winter's coming on, an' that's that be delivered at once to the Weather fodder cutter ter buy; can't yer get Bureau at Washington. Should the contents of this message be of such importance as to demand special storm warnings, notices will be prepared and took a fresh laid egg down to the coundispatched by wireless telegraphy to try store and inquired of the storeall vessels in the vicinity affected. The keeper whether he would trade a value of such a service might be cited darning needle for an egg. The owner when the experience of the steamship was willing and the trade was made, Campania is remembered. On October Now it seems that this store, in ad-11 last, this liner was caught in a hur-dition to being a grocery, dry goods

The Department of Agriculture has recently published a method of con-structing a chicken brooder, the total cost of which might come well within \$1.00. Such a brooder has been given careful trial by the Connecticut experiment station, and has given excellent results when used in a shed or colony house. The lower section of the brooder which contains the lamp for heating is a box 3 ft. square made of 10 inch boards and covered with tin or gal-vanized iron. About this cover, around the edges of the lamp box, one inch strips are nailed. Two one inch holes are bored through these strips on each side of the box for the purpose of ventilation. A floor of matched boards is laid on the strips. A hole 8 inches in diameter is cut in the center of this

A Brooder for a Dollar.



THE DOLLAR BROODER.

pan 10 inches in diameter, the sides of the pan being full of holes to allow free circulation of heat. Over this is placed a table 2 feet 6 inches square with legs 412 inches high. Around the sides of this table is tacked a curtain of old felt cut from top to bottom at ntervals of five or six inches to allow the chicks to pass in and out at will, the whole being surrounded by boards 4 inches high and 3 inches long nailed ogether at the corners and resting on the floor of the brooder. When the chicks are ten days old one of these boards may be taken away and the bridge used so that the chicks may run from the houser to the floor of the room: The description of the brooder can be found in Farmers' Bulletin No. retary of Agriculture.

Double-Yolked Eggs.

Squire Meadows, who lived down at Four Corners, was classed as a "mean old son-of-a-gun." He didn't mind buying new farm implements every year and allowing them to rust and ruin out in the winter rains and snows, but he would not buy his wife a sewing machine or a dish-washing machine to lessen the labors of housework. She was never allowed spending money, and whenever anything ncessary was wanted for the house the Squire always went himself to the village store and made a trade of some farm stuff for the article desired. One day the good wife wanted a

package of darning needles, and told her husband so. "Now, Abagall," he said, "what's ther use of gettin' so 'stravagant?

along somehow with less?" The argument ended by a reduction to a single needle. Squire Meadows



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great busy cities. While it was report, some to American people to have a chants were taking advantage of the imals, yet under such a system as is adopted in Germany, when one roes to investigation showed that they were the market house to buy a piece of in reality in serious difficulties, for in sound meat he is assured of getting it warping of the owner was a man of great cordiality warping of the variation and charge a grocery. Ary goods also one where liquid refreshments were dispensed. The owner was ed that the butchers and meat mer- housewife buy meat from diseased anstead of increased profits they. were He at least does not buy had or dismaking less money than before the eased meat, thinking it is first rate. law went into effect. A number of them announced to the municipal au-Apple Growing. thorities their intention to relinquish The Department of Agriculture oftheir business. Mass meetings have ten receives communications from been held by citizens and meat dealers farmers who are maintaining that the with an endeavor to induce the authorities to make the meat inspection practical agriculturist does not have much faith in experiments conducted laws less stringent, but so far without at experiment stations, as they are result on such a small scale that great The model abattoir and cattle marweight cannot be attached to the rekets of Europe at the present time are sults. The statement is made that to be found in Germany. There are were these experiments made on a extensive and well equipped establish large scale or under conditions such ments in several large cities, but those as confront the farmer himself, they which are the newest with the latest C might prove more valuable. Taking improvements and regarded as the best this standpoint as a rule to follow the of all are at the old university town New York experiment station through U.S. of Halle and at Mannheim on the the Department of Agriculture has re-Phine. These are almost duplicate ported the results of an examination plants. of 1,138 apple orchards covering \$, 642 acres in Wayne and Orleans counties, New York. Both of these As early as 1878 there were city abattoirs at Mannheim, one for Jews and one for Christians. In 1890 it was counties are extensive apple growing decided to construct a single new abat regions. In one township every or toir in connection with the new mar ket. This was completed in May, 1900. This latter abattoir is a model of per fection, ample provision being made for receiving animals and shipping dressed carcasses. The visitor does not receive suggestions of slaughter ing through any appearance of blood on surrounding walls, nor does he smell it in the air, as in many of the American slaughter houses. Build ings are of brick, stone, iron and glass of good appearance, substantially and admirably adapted to their respective purposes. All are supplied with hot and cold water, live steam, electric lights and either steam or electric The hoisting apparatus is handled so that manual lifting is almost wholly avoided, and by suspended tramways carcasses and other heavy parts may be moved in all directions in the killing halls. Artificial ventilation is also provided so that every apartment may be supplied with currents of fresh air dry, and either cold or warm as de A PROFITABLE APPLE TREE. sired. The rooms for slaughter are large, light and airy. Instead of little pens as is the usual case in France chard as large as an acre in extent the arrangements at Mannheim are for was visited. Observations were made on such factors as location, site, as a separate hall for every kind of animal and a regular corns of Heancad pect, soil, management, distance be butchers is employed by the establishtween trees, pruning, present condition f the orchard, orchard troubles, etc. ment. Butchering is, comparatively speak The agent of the New York station ing, humanely done. The large ant found that for orchards tilled five mals are killed by a nercussion gun years or more there was an increased attached to the head with a mask, and yield of about 80 per cent, over or the smaller ones are stunned by a chards which had been five years or blow on the head and then hled. Of more in sod. This greater yield in the course, the Jewish hutchering is ac tilled orchards was found not to be complished by a different method and due entirely to cultivation, as the man according to the rites prescribed by who tills his orchard usually gives it that religion. Inspectors are present better care as regards fartilizers to supervise the slaughter and every spraving, pruning, etc. quarter passed and sonre of for mar-ket is properly branded. Figures were compiled of orchards The system of seneral drainage, sub-terranean conduits and service tram-that hogs were least and eattle mest

by experiment stations as a result of



warning of its existence might have to his customers, often inviting them enabled the Campania and other ves to a "treat on him." sels to avoid its center of activity. An The Squire, having made the trade,



PACKING APPLES FOR SHIPMENT.

proposed system is that the Weather on the shelf, and, smacking his lips, Bureau will thus be enabled to send to said:

trans-Atlantic liners and other vessels. slightly altering their course they may water?" steer clear of these dangers.

SECRETARY SHAW WAS LATE.

He Narrowly Escaped "Call Down" by Vigilant Watchman.

Secretary of the Treasury Shaw was three minutes late in reaching the Treas-ury Department the other morning and when Meadows yelled out: narrowly esccaped being held up by the vigilant watchman at the door. It was raining when he arrived, and don't yer owe me another darnin' he hurried through one of the seldom needle?"

used entrances to the building. It is one of the regulations of his department that all employes arriving late shall register the time of their arrival

at a desk near the entrance. Mr. Shaw did not consider himself amenable to this regulation and burried gether in harmony under circumstances to the elevator to go to his office, on the second floor. The watchman noticed his not absolute disruption, in an everyday apparent carelessness in not registering, American family. Her majesty the and, not recognizing him, hurried after Empress is several years older than the Secretary to remind him of his neg- her illustrious spouse, the Mikado, and

When the watchman reached the ele- had she is not the mother of the five vator, however, he heard the conductor address his passenger as "Mr. Secre tary." A father. In case she should become the

The watchman's activity ceased imme- mother of a son, which, as she is fifty-ately. diately.

"Why, say, look yere Perkins, they information as to the limit of fog and say yer treat yer customers pretty ice on the Grand Banks so that by well at times ter somethin' stronger'n

"Sure," responded the storekeeper, "What'll yer hev?"

"Oh, I guess mine'll be sherry'n egg.' Perkins went over to the shelf, brought out the ogg just traded in by the Squire, broke it into the glass and

"Say, look yere, Perkins, that thar egg I brung yer is a double-yelker;

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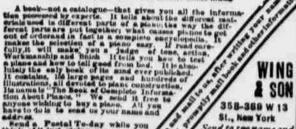


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