leadway in Effort s Albanian Rebelre Fighting at Pass

OPLE, April 29.-The ave not yet succeeded Albanians, who hold position in the Kac-fket Pasha, commandtroops, lost 200 men ad in the battle of newed the attack on and the battle pro-nt the night and into Albanians contesting Albanians contesting e ground. The losses re heavy. ed an important posi-, at the northern end it is hoped that the pletely cleared by to-

absence of news from incere anxiety. There an forces in the field, a, the second holding ss, and the third hold-m Prizrend to Periso-

whether the Turkish at will succeed in cap-hanik pass, which is ig and between steep, is held by 10,000 Al-hough the Turks are m both ends, the Al-elving reinforcements in from Prizrend and

that the Albanians de-he suppression of the brogation of the state re also eager to pro-

#### ECK IS ILL TO BE SEEN

re., April 29.—Coming aits of Magellan, the w of the German s, Capt. Schulder, arwerp via San Pedro sco Monday, got an what remains of the Utgard, wrecked in all while bound from United Kingdom with ared, and all that re-ttered-up hulf, which on the south side of ing the numerous partially burried in

ly at Funchol Madeira my weather during rom the Belgian port Islands. The officers were continuous gales are running high, oc-g aboard, but doing

ear broke down twice, hours to make the epairs. When the first ed there was a big d the steamer drifted This was on the Atafter getting away p wondering far from

### ONSTER ER FOR CUNARD Vessel of the Type or and Mauretania for se the Atlantic.

April 29.—Alfred A. of the board of direc-nard Steamship com-that the line is plansides the Mauretania n the Liverpool-New and that tenders alinvited for the conother vessel of the This is official conlier reports regarding lans.

al subject of transmaterials of the New York trade 10,000-ton cargo boat, 0,000 and 50,000-ton cargo boat, es the Mauretania

0,000 and 50,000-ton ssanger and cargo warned Liverpool that to hurry up and make dations for such yesrs stepped in and lur

ere.
essel of the Franconia added to the Boston ooth said that the rethe North Atlantic

#### DLE RUMOR

aughnessy Takes Oc-eny Reports Con-His Intentions.

April 28.—A rumor has that Sir Thomas G. contemplating retiring ency of the C. P. R. intering the political sntering the political puse of Commons, Ottoday on the subject, I: "This absurd rumor without the slightest or has any serious sugnaracter been made to ad been made, and if of a political carrier." of a political career, nerous reasons be sim-or me to consider it to come. This rumor is bable that it mprobable that it i ne, when we are so e expansion and de-various important in-anadian Pacific Rail-

Page was among the steamer Charmer

# RUBAL, SUBURBAN~

THE CULTURE OF THE MELON FOR PROFIT

Four principal things have to be considered in order to assure success in the culture of the nelon—the kind of soil, the best method, the best cut and the best care. A sandy loam soil is most favorable. Every means should be taken to render the ground suitable, whether by special manures or by peculiar improvements in order that the ground may contain all the best fertilizing principles.

#### Method of Culture

The best method of culture is that which makes the plant profit from the solar influence, which facilitates the free circulation of the air, and which makes the fruit absorb solar rays This method exposes them to the influence of light. The culture of the melon upon knolls appeals to all these conditions in preference to any other method. I recommend, therefore, hotbeds and windows (sashes) in preference to the flat ground. This kind of culture assures a greater quantity of fruit and gives more strength to the plants. The ascending direction of the sap and the descending direction of the branches, are the two great factors in this

By this method one can get at least ten melons a mound and even more. This is the smallest number I raise from my mounds; generally I have more. If you cultivate only one plant on a mound, your melons will be bigger, but, if the fruit is to be sold, it is far better to leave two plants a mound which will give twenty melons. On an acre, at a distance of six feet from each other, you have 900 mounds. At twenty melons each mound this will yield 18,000 melons which, at ten cents each, will give a revenue of \$1.800.

In spring as soon as the ground is in order and the weather favorable, I place my hotbeds six feet apart on the ground, which was well prepared in the fall. I then dig only the ground where the hotbed should be placed. I fill the hotbed with the best mould containing twenty per cent of pigeons' dung thoroughly mixed with the mould, leaving two or three inches between the hotbed and the ground. tween the hotbed and the ground. The front part of the hotbed should be nine inches high while the back twelve inches. The width of the base of the hotbed should be twenty-six inches and at the top twenty inches. Each pane of glass should measure fifteen by sixteen inches. The size of the hotbed can vary in size as one wishes, and consenently that of the frames. My frames are made of one-inch spruce boards.

#### Sowing the Seeds

Now, having made the surface of the mould even in the hotbed, I sow from ten to fifteen melon seeds with proper spacing. When the plant has sufficiently grown, I sort the plants, keeping the best ones. Then, gradually, I clear the ground so as to leave one or two a mound.

As soon as the seeds begin to grow I move the window somewhat to allow the air to circulate through the corners of the box. I move the window thus between seven and eight o'clock in the morning. According as the sun gives more heat and as the plant grows, I move the window more and more.

At night I push the window back into its place about an hour before sunset so as to keep the heat inside the box. I then cover the hotbed with a heavy covering. The hotbed should be surrounded by dirt at least six inches thick and two-thirds of the height of the hotbed frame. The covering made with empty saltbags should be thick enough so as to preserve mounds from low temperature, and should be put on the frame every evening, as soon as the melon seeds are sown, and then taken off after sunrise.

We should never water nor warm melon plants at night, when the nights are cold, but in the morning. On the contrary, when nights are warm, we should water them an hour at least before sunrise, then close the frame and cover it. Rain water heated by the sun is preferable to all waters, because it contains more fertilizing principles. For want of rain water, we can use other waters—but waters which have been heated by the sun.

I water the melon plants with "purin" (French word)—a liquid manure—and common water; then, I warm with one-quarter of purin mixed with three-fourths of water. My melons are very aromatic and juicy. During the period of the culture of the melon, the watering should be made so that it may reach the interior of the mound three or four times, according to the dryness of the mound, and to the temperature of the weather. The warming should be done every night or every morning, according to moisture of the night, because leaves are the soul of the plant, or in other words, its pulmonary surface.

#### Cutting and Pinching

When the melon plant has four leaves and the fourth one is big like the nail of a thumb, cut the stem under the third; and I put dustland on the wound; yet one is not obliged to lo that. We should never cut cotyleonds (the seed leaves). The operation causes great harm to the plant. I never touch branches that come out from the armpit of cotyledons, because from these, appear the first female flowers; but if they do not give any female flowers I pinch them without intrenching them.

When the fourth leaf appears on new branches I again cut the stem under the third leaf. This is the second cut.

Ne branches appear, and when they have four leaves, that is to say, when the fourth one appears, this time I cut above the third. This the third cut. By this cut male and female lowers appear.

I make a fourth cut, also a fifth cut. If the I make a fourth cut, also a fifth cut. If the female flowers do not appear at the fifth leaf, I then pinch the branches just after the fifth leaf. It is necessary to see and to know how, and when, we should pinch. When the female flowers appear we should not pinch branches immediately, because you would destroy the coming fruit in bringing the plethora of the sap to the branch before the vessels of the peduncle (stalk) of the female flower have taken enough development to receive it with atofit. duncle (stalk) of the female flower have taken enough development to receive it with ptofit. Likewise too great dryness at the interior of the mound brings a considerable diminution of the sap; consequently, the death of the plant and of the female flower. Therefore we have to wait three or four days before the female flower opens in order to pinch the extremity of the branch. Then you fold slowly the extremity of the branch while having it form an acute angle on the right of the insertion of the peduncle in such a manner that the latter may appear to form the lengthening of the branch and we fix it thus by means of two small branches. This is the best way to have the fruit knotted. If on the mound there are no male flowers but only female flowers, and though draughts, bees, etc., would favor the though draughts, bees, etc., would favor the transportation of the pollen; yet it is prudent to gather flowers from the nearest mound—also to shake the stamens on the pistil of the female flower, in order to assure fertility.

When the fruit is knotted, that is to say, when it has acquired the size of an egg, we cut the branch about two or three inches above the melon. If other branches come forth in the armpit it is better to take them off. If there are branches not bearing fruit we should take out some of their wood with great precaution.

We should not forget that, if we wish to get excellent melons, the solar rays have to reach them entirely and continually. This is the reason why we should prevent branches from forming bushes and regretful confusion that cause a great harm to the circulation of the air. This is why we should not leave more than one or two plants a mound.

#### Making the Mound

I come back to the making of the mound: when the leaves touch the glass I raise the box a little; then when branches reach the edge of the window I remove the hotbed. I dig the ground around the hotbed, stir the land, and with a rake again hill up the land a little towards the melon plants. I again put some mould on the top of the mound and on the melon plant as far as the seed leaves.

I make a circular mound with depression in the centre where the plant is in such a manner so as to form a basin, in order to contain the quantity of water needed. Afterwards, I put a thickness of one inch or one and one-half inches of a black substance (like dung) all around the mound, in a manner so as to mask all the surface of the mound. This is done to have all the heat possible penetrate the depth of the mound. In fact, of all colors, black absorbs most heat, and the more a mound will absorb of solar heat the more melon plants will develop; the fruit then will be juggy and delicious. Therefore, the whole plant absorbs an excessive heat which is an advantage over flat

My mounds finished, I put four shingles (about middle size) in each, leaving them a little larger than the branches of the melon, then I put on my hotbed with the frame entirely I put on my hotbed with the frame entirely closed. I open it only to water or to warm the plants. I take off the hotbeds in June only when the heat of the temperature is strong. When the fruits are half grown, I gradually take them away from the leaves, or rather, if the weather is cloudy, I place them on a large shingle which I sharpen at one end and which I put in the mound; at the other extremity I put a support.

The height of my mounds is eighteen or twenty inches, having a circumference at the base of 100 inches at least, and at the top, a circumference of seventy or seventy-five

#### Varieties and Seed Selection

I have cultivated a great variety of melons with seed coming from Los Angeles, California, but the best ones that I have found are those of Montreal and Cantalogue. Select those varieties that are known to give the best

We should always select the seed. The best seed is that which is taken from the middle part of the slice of the melon. This is the first one formed, and it reaches always its full development. A melon seed, well cultivated, requires four months to cover the period of vegetation. -Canadian Horticulturist.

#### A FEW FACTS ABOUT POTATOES

Although everybody grows potatoes there are a few interesting facts about them that are not generally known. To obtain an early crop of potatoes, not only should an early variety be chosen, but the tubers should be exposed to be chosen, but the tubers should be exposed to the sun under glass until they have turned green, and until the sprouts on them are an inch or more long. The longer these sprouts are, the better, if the sets are carefully handled so that they are not broken off. This sprouting has the effect of developing a number of short joints on the young shoots and, as the young potatoes form at the joints, it stands to reason that the more joints we have underground, the heavier the crop will be. If after planting, the potatoes are earthed up, more young tithers will form, but as these do not develop until the plant has made considerable growth, the ensuing crop though heavier is later than if the ing crop though heavier is later than if the

Potato Culture in Ireland In Ireland, where the labor is not grudged, I have seen very fine crops of potatoes grown in wet boggy land by the following method:

After being plowed, the land is marked out

in strips alternately four feet and two feet wide. Strawy manure is spread on the four-foot strips, and on this manure, the freshly cut potato sets are evenly distributed, at from twelve to eighteen inches apart, according to the variative of potato used. ety of potato used.

The soil from the two-foot strips is then shovelled all over the four-foot beds, covering the potatoes to a depth of three to four inches. When the potato tops have grown a few inches above the soil, the bed is given another top-dressing of the soil from the two-feet strips, which are by this time converted into deep treuches.

Good crops are obtained in this way, and a second crop is obtained from the land at the same time by inserting cabbage plants two feet apart along the edge of the trenches at about the level of the manure. These generally also yield a fine crop. By further deepening these trenches can be converted into drains, whereby the land can be easily reclaimed. This hint may be worth nothing, although I doubt if the method would become popular in this labor-saving country. saving country.

### Growing Early Potatoes in Cellar

New potatoes in small quantities can be produced early in the year, when they will fetch fancy prices, by the following method:

Fit up a number of wide shelves in a dark cellar and on these place two inches of almost day soil. Select good-sized tubers and half imbed these in the soil, setting them two and a half to three inches apart. Sprouts will shortly from with small potatoes at their base. The tops of these sprouts should be nipped off with scissors. The small potatoes can be gathered and marketed when about the size of a large walnut. Several crops will be horse before the walnut. Several crops will be borne before the bed is exhausted. The cellar must be perfectly dark. A very slight sprinkling of water may be given carefully from time to time, though too much does harm.

In fertilizing potatoes, sulphate of potash and not muriate of potash should be used, as the latter tends to make the potatoes waxy. If nitrogen has to be supplied, nitrate of soda is preferable to ammonia salts. As a rule, however, this is not needed, especially if potatoes are planted on a turned under clover sod, which gives nitrogen equal to about fifteen loads of barnyard manure per acre. As potatoes like a strawy manure, this clover particu-larly suits them, and it has another beneficial effect in that its fermentation produces a slight acid reaction in the soil which has a tendency to check potato scab.—Canadian Hor-

#### A VASE OF FLOWERS TO LIGHT A ROOM

Most wonderful is the promise just made by Mr. Edward Weston, the well known engineer, says Science Siftings. It is the inven-tion of light without heat. "It is not praction of light without heat. "It is not practicable yet," he says; "it is merely strange: In a little laboratory behind heavy shades objects are gleaning with the new pale light that is spoken of as the light of the future. The light comes from a substance that can be painted on any object, causing it to glow in its own colors and giving out a luminous mist of light by which it is easy to read. To have instead of a lamp or electric drop or chandelier a vase of tall flowers in the corner glowing with light of tall flowers in the corner glowing with light sufficient to illuminate not only themselves but the whole room would be a wonderful turn in the magic wheel of modern life." Mr. Nikola Tesla is the wizard behind this invention.

#### CRADLE OF THE SHORTHORN

Be the origin what it may, there is no doubt that the Hölderness and Teeswater districts were the cradle of the Shorthorn. In fact, the breed has at different times been known as Holderness, Teeswater, and Durham cattle, and the last named title is still used by many people. That the old type were good milkers there is little doubt, but when fabulous prices were being paid for beautiful beef-type animals inbreeding with the object of oducing such was carried out regardless of ery other consideration. The result was that milking qualifies and constitution were both so neglected that they suffered very severely. Then the usual collapse; characteristic of booms, came, and the corresponding reaction. Cartle, however fine their pedigree or fine their lines, were not wanted by the beefgrower, unless accompanied by a vigorous constitution. In other directions the dairymen began building up from selected animals the shrinken milk qualifications. The result was the formation of two types, the beef Shorthorn and the milking Shorthorn, both of which have also several sub-branches.

Bakewell, who was born in 1725 and died in 1794, showed with his Leicester sheep and Shorthorn cattle how, by judicious selection and inbreeding improved types could be established, and from that time the improvement tablished, and from that time the improvement of all domestic animals has developed. Charles and Robert Colling applied Bakewell's principle to Shorthorns, and may be said to have established the breed as we at present know it. While attending Darlington market they noticed that daives from one district were particularly good, and on inquiry learned they were the progeny of a parish bull called Hubback, which was serving cows at 1s. a head. Colling bought Hubback for eight guineas, and many of the most distinguished Shorthorns seen in the world shows today trace descent from him. Without following the details of from him. Without following the details of the pedigree breeding it may be said that Thomas Booth, who acquired two bulls from the Collings, was the first breeder of historic note. He expended twenty years in working a concentration of the blood of Favorite, Punch

Foljambe, and Hubback in his herd. His great-aim was the perfect beef animal. Thomas Bates, who also founded his strain on animals of Collings' breeding, sought to get milking qualifies as well as a fine beef type, and great rivalry grew up between the Booth and Bates

#### POINTS OF THE SHORTHORN

The type of Shorthorn we are dealing with here is that for the production of beef, as distinct from the purely milking strains, and the aim of the breeders is to get an animal with a good constitution, well covered with nicely-marbled flesh, and carrying as much as possible on those parts which fetch the highest prices in the butchers' shops.

Mr. John Thornton, who for years was the hief salesman of stud Shorthorns in England,

thus sets forth their points: The breed is distinguished by its symmetrical proportions, and by its great bulk on a comparatively small frame, the offal being very light and the limbs small and fine. The lead is expressive, being rather hard across the forehead, tapering gracefully below the eyes to an open nostril, and fine flesh-colored muzzle. The eyes are bright, prominent, and of a particularly placid, sweet expression, the countenance being remarkably gentle. The horns are by comparison with other breeds unusually short: They spring well from the head with a graceful downward curl and are of a creamy white or yellowish color, the ears being fine erect and hairs. The needs beside the ing fine, erect and hairy. The neck should be moderately thick (muscular in the male), and set straight and well into the shoulders. These when viewed in front are wide, showing thickness through the heart, the breast coming well forward, and the forelegs stranding short and wide apart. The back among the higher bred animals is remarkably broad and flat, the ribs barrel like, spring well out of it and with little space between them and the hip bones, which should be soft and well covered. The hindquarters are long and well filled in, the tail being cut square upon them. The thighs meet low down, forming the full and deep twist. The flank should be deep so as partially to cover the udder, which should not be too large, but placed forward, the teats being well formed, square set and of a medium size. The hind square set, and of a medium size. The hind legs should be very short, and stand wide and quite square to the ground. The general appearance should show outlines. The whole body is well covered with long soft hair, there frequently being a fine undercoat, and this hair is of a most pleasing variety of color, from a soft creamy white to a full, deep red. Oc-casionally the animal is red and white, the white being found principally on the forehead, underneath the belly, and a few spots on the hindquarters and legs. In another group the body is nearly white, with the neck and head partially covered with hair, whilst in a third type the entire body is most beautifully variegated, of a rich deep purple or plum-colored hue. On touching the beef points the skin is found to be soft and mellow, as if lying on a soft cushion. In animals thin in condition a kind of inner skin is felt, which is the 'quality' or handling of the great fattening propensities

#### PRACTICAL POINTS FOR BEEF

for which the breed is famous."

Dealing with the qualities requisite for high-class animals, Professor Curtiss, Director of Iowa Experimental Station, United States, discussed the subject as follows:

"The first thing that should be looked to is the general beef form-low, broad, deep, smooth, and even, with parallel lines. wedge shape is wanted for the block. Next in importance is a thick, even covering of the right kind of meat in the parts that give the nigh-priced cuts. This is a very important factor in beef cattle that is often overlooked. The high-priced cuts are the ribs and loins, and on an average they sell for about three times as much per lb. as other parts. Good, broad, well-covered backs and ribs are absolutely necessary to a good carcase of beef, and no other excellencies, however great, will compensate for the lack of these essentials. It is necessary to both breed and feed for thickness in these parts, and mere thickness and substance here are not all. Animals that are soft and patchy, or hard and rolled on the back are sured to give defective and objectionable carcases, even though they are thick; and they also cut up with correspondingly greater waste. Then, in addition to seeing the general beef form and make up, together with good backs, ribs and loins, there is a certain quality, character, style and finish that constitute an important factor in determining the value of beef cattle. One of the first indications of this is to be found in the skin and coat. A good feeding animal should have a soft, mellow touch, and a fine but thick and heavy coat. A harsh, unyielding skin is an indication of a sluggish circulation, and low digestive powers. The character and finish exemplified by a clear, prominent, yet placid eye, clean-cut fea-tures, fine horn and clean, firm bone, all go to indicate good feeding quality, and a capacity to take on a finish of the highest excellence, and, consequently, to command top prices. Cross-boned, rough animals are almost invariably slow feeders, and hard to finish properly. Above all it is necessary to have vigor and constitution. We find evidences of these in a wide forehead, a prominent brisket, broad chest, full head, girth, and general robust appearance; and without them the other excelence will not have its highest significance."

"I wish to call attention by way of emphasis to the necessity of having the right kind of cattle to ensure a profit. There is not a very

great difference in the rate of gain or the number of lbs. of increase in weight from a given quantity of feed that will be made by a representative of the best beef breeds and a genuine scrub, Jersey or Holstein steer. This is a fact that practical breeders and improvers of live stock were slow to accept at first. In fact, they did not accept it until it was repeatedly demonstrated, and some will not concede it yet; but the evidence is constantly accumulating, and it is useless to ignore the facts. Take, as an illustration, two steers fed at the Iowa Experimental Station; one is a Jersey and the other a Hereford. While they were in the feed lot the Jersey made a gain of 2 lb. a day for nine months, and the Hereford 2.03 for fourteen months. There was practically no difference in the rate and cost of gain. But, the interesting part of the comparison came later. The Jersey took on flesh rapidly, and was exceedingly neat and well finished, and was as good as it is possible to make a Jersey steer. Yet, when he went to market he had to sell for \$2.-12:1-2 cents per 100 lbs. below the top quotations, while the Hereford went 10 cents per 100 lb. above the top prices for any other cat-tle on the market. But you may say that this was partly prejudice, and I used to think so, but since I have followed the cattle through the feed lot and to market and on to the block and carefuly ascertained all the facts for several years, I have changed my mind. I will show you where the difference was in those two steers. The Jersey belongs to a breed that has been developed for centuries for the specific purpose of making butter—that is putting the produce of its feed into the milk pail. They are rough, angular and bony, and when you fatten them, as you can do, they do not put the fat into the tissues of high-priced cuts of steaks and roasts on their backs. This Jersey steer had 190 lb. of what is termed loose or internal tallow, and 55 lb. of suet on a 763 lb. carcase; that is 32.1 per cent of that steer's carcase was tallow. Tallow was at that time worth 4 cents a lb., while the best loin cuts were worth 19 cents wholesale. And besides that, this steer only dressed 57.5 per cent of beef, while the Hereford dressed 67.5 per cent. Then the Hereford only had 95 lb. of tallow and 38 lb. of suet on an 888 lb. carcaseequivalent to 15 per cent. And besides the striking difference in percentage of meat in high-priced cuts, the meat of the Jersey was very much inferior to that of the Hereford. The Jersey steer went on accumulating fat around his paunch and internal organs to the extent of nearly one-third of his body weight, while he had not enough meat on his back to decently cover his bones. There is reason why rough cattle do not sell. When a steer is put into the feed lot to fatten it is all right to know whether he is making a. 4 per cent product or a 19 per cent product. If he has not the beef type and has not the characteristices of a beef animal bred into him he will fall short of the mark. Feed alone does not make the high selling product.

## POINTS ON POULTRY

Provide plenty of shade for your stock during the summer months.

Place the water fountain in a cool, seclude spot, and replenish the supply twice daily. A few grains of permanganate of potas placed in the water will act most beneficiall

on the health of the stock, for it purifies ar keeps the drinking fountain sweet and clear Use plenty of disinfectants. Insect per are specially vigorous during the hot weather No and need all the repressive measures that can possibly be taken to keep them in check, other-

wise they take a considerable time to get rid of. Never feed on inferior or damaged foods because they are obtainable at a cheap figure. If you want good results from your stock, feed on the best, it is really the cheapest in the long run. This applies equally to fowls, pigeons, cage birds, or dogs; they are none of them equal to the task of converting bad food into good eggs, flesh, or stamina.

It will often be noticed that after the first feather growth on a chicken, they appear to flag, which is merely the rest that the system is called upon to undertake after the severe effort of throwing out the first plumage, and need not be taken as an indication of disease. However, a little more stimulating food at this period will assist materially in aiding the youngsters to recoup their strength.

Many poultry fanciers are not acquainted with the fact that if an egg is sat on overnight and removed the next day, the germ succumbs and the egg becomes rotten. This is often put down to infertility.

#### WINGLESS CHICKEN EVOLVED

Chicken wings will disappear from bills of fare when the new wingless chicken, raise: by Mr. W. A. Bertram, of Illinois, became nmon, says Science Siftings. He has found that wings decrease the value of chickens in cities and towns by making their confinement in yards more difficult. He conceived the idea of crossing common breeds with Wyandottes and the barred Rocks, whose wings are smaller in proportion to their weight than those of other chickens. After several seasons he has produced a fowl which has only a few pinfeathers where Nature meant wings to be, and which cannot jump a fence higher than two feet. It will be easier, Mr. Bertram says, to fatten chickens which do not reduce their weight by the exertion of flying. This will compensate, by putting more flesh on drum-sticks and wishbones, for the ultimate atrophy and disappearance of the wings.