WILLAMETTE FARMER.

USEFUL INFORMATION.

Wax Flower Making.

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Copying Medals.

Copies of medals or other similar articles may be readily made by a very simple piece of apparatus. A cast of the medal is first taken may be ready many plane by any any play by the opparatus. A cast of the medal is first taken in wax. This is done by moistening the medal or coin slightly, and then pouring the melted wax over it. The object of the noistening is to prevent the wax sticking to the surface of the metal. While the wax is still warm, a piece of copper wire should be imbedded in it to serve as a support, and to connect with the zine in the decomposing cell. After removing the medal from the mold, the surface of the mold is dusted over with fine plumbago until it appears quite black; all excess of the carbon is then carefully removed with a soft breach. If fine iron filings can be had, a few of them are sitted over the face of the mold, and a solution of suphate of copper, and facilitates further operations, but may be omitted if not convenient. Care must be taken, in putting on the plumbage coating, that it comes in contact with a plumbage coating. A very convenient way

We extract from the Cabinet-Maker the following description of the method of polis wood with charcoal, now much employed by French osbinet-makers:

Polishing Wood With Charcoal.

lowing description of the method of polishing wood with obsrecol, now much employed by Prench cabinet-makers: All the world knows of those articles of fur-inture of a beautiful deal black color, with there, ever desception of the semantic of the semanti

DOMESTIC ECONOMY.

Roast Turkey.

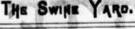
Roast Turkey. After drawing the turkey, rinse out with neveral waters, and in next to the hast mix a tenapooulul of node. The inside of a foul, especially if purchased in the market, is some-times very sour, and imparts an unpleasant insiste to the staffing, if not to the inner part of the legs and side bones. The sods will act as a corrective and is moreover very cleansing. Fill the body with this water, shake well, suppy it out, and rinse with fair water. Then prepare a dressing of bread crumbs, mixed with butter, pepper, alt, thyme or sweet mar-joram, and wet with hot water or milk. You may, if you like, add the besten yolks of two rggs. A little chopped susage is esteemed an improvement when well incorporated with the other lagredients. Or, mince a dozen oysters and stir into the dressing; and, if you are par-tial to the taste, wet the bread crumbs with oyster liquor. The effect upon the unrkey-ment, particularly that of the breast, is very pleasant.

now in the day of the second of the breast, is very pleasant. The bill and the neck, to prevent the escape of the string the craw with this, and the a string the body of the string the second of

Boiling Potatoes.

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shall be at liberty to consider Madeline as competent to write a readable romance, as and is to cook a potato, --Saturday Evening Post.



Fattening Pigs.

The Michigan Farmer says:-One of the best pig breeders we know is W. Smith, the well known master of the Marine Meat best pig breeders we know is W. Smith, the well-known master of the Marine Meat Market in Detroit. He has a taste for keeping the best hogs that are to be had. Few can excel him in the finemess of pure-bred Suffolks, Essex, Berkahires and Po-lands which be breeds. He has the faculty of making the most out of the pig that can be made. One of his points of fattening a pig is the use of the pen sieck to wash it clean, and the curry-comb to keep fits akin in a perfectly healthy condition; he is also particular to have is fed regularly every day, always at the same time to a minute. He changes the food from time to time, and when once the pig has started to get fat it is never allowed to go back. One of the best kinds of food to start pigs with consists of peas or beans mixed with the offal of the dairy or the buttery, with a little fine corn-meal thrown in Barley-meal is excellent, or crushed oats, but no food is equal to peas for a food to start on. Both peas and corn should be steeped in water, the hotter the better, and allowed to stand and soak up all they will. We notice this is the treatment that makes Smith so successful.

will. We notice this is the treatmont that makes Smith so successful. Some of his pigs when started will gain three pounds a day; and we have seen in his stalls Essex and Suffolk crosses that his stalls Essex and Suffolk crosses that would dress 330 pounds at ten or cloven months old. But one of the fattening processes was a bath, with a flexible hose, at least twice a week. The hogs get so used to this that they like it, and seem to know when they are to enjoy this luxury, for they will come out and lie down as quick as the water begins to, play upon them. It is the enjok fattening that pays, and

quick as the water begins to, play upon them. It is the quick fattening that pays, and hogs thus treated make as profitable a re-turn, even with pork at 5 to 6 cents, as any part of the farm produce. Then again a hog should have a dry place to lie; in fact a good, well sheltered pen, with a dry plank under him, where he can sleep without disturbance, some-what dark and shady, with no drafts of wind penetrating through it, rather low in the roof, so that the animal heat he gen-generates will surround him with a tem-perature that is pleasant; and when accus-tomed to be fed regularly there is no ani-mal more punctual in its appearance at the trough. Then he should be fed all he will est-not an ounce more. No food should remain in the trough after he gets through, and then it should be thorough-ly cleaned out.

It cleaned out. When put up to feed in this wise the hog does not need any excercise, nor does he require space for it. His whole com-fort is in returning to his lair, and have a good opportunity, undisturbed by outside affairs, to increase in weight, and to make an ample return to his owner for the food he has enjoyed.

Sucan Berr ron Swing.—Jonathan Tal-cott gives a statement in the Boston Culti-center of an experiment performed on a Suffolk pig where sngar beets were large-ly employed for fattening. The animal was about a year old, and the feeding on boiled sugar beets, tops and root, began on the 16th of August, and was continued three times a day until the last of October, after which ground feed was given, con-sisting of two parts of corn and one of oats, three times a day, until the animal was abauted. The next being mixed with cold water. The result was, on August, 16th, when the sugar beet feeding was begun, that the weight was 360 lbs.; September 1st, 390 lbs.; October 1st, 450 lbs.; November 1st, 520 lbs. This is the substance of the statement given, by which we perceive that the increase the last of August, when fed on boiled sugar beets, was at the rate of two pounds per day; the same rate of two pounds per food continued through September. When fed on ground corn and oats, made into cold slop, the gain for the next firty days was less than a pound and a balf per day. SUGAR BEET FOR SWINE .--- JOUATHAN Talday

Tun Stock Journal, after giving a num

ber of experiments in feeding corn to pigs, remarks that these experiments show that there is within a fraction of twenty-four pounds of pork in a bushel of corn; and the effort of every farmer should be to en-deavor to get out as much as he can of it. And to do this he must have the right kind of hors: they must be ableed in the right kind of hogs; they must be placed in the right condition, and fed in the right manner,

WHEAT, ETC.

The Future Wheat Supply.

The use of wheat bread is constantly increasing over the whole world. Rye and Indian, oatmeal, and rice are gradually losing ground, and for the reason, as has been stated, that there are great im provements in the manufacture of flour. This reason is probably not the true one. Wealth is increasing, and people dress Wealth is increasing, and people areases better and live in more comfortable houses than formerly. Wheat bread is the food of a civilized man, while corrained and other coarse grain are deficient in dutient the composition of a well organized brain. When Indians beg, they ask first for bisouit, "bigit," and when as Arab is gives corn bread, he looks on it with contempt. The Chinese profer wheat flour to rice, and the Bouth American ranchman gisdly exchanges wool for Baltimore flour. The people of the Southern States always pretended to like corn bread best, but on Sundy morning biscuits were on the table. Ard the energe, being now free, thinks so much of flour that he will pay out his last dime for it, even if he last to ge without whisky. In the slavery days flour was a most acoptable gift from sy you go of ord man to his statics and the Pacific Islanders in more choice than candy, or "honey in the Asiatics and the Pacific Islanders woold sceen that wheat uread and butter must go together. With this great demand for wheat, it is solerably certain that nother and statics ever made outler as an article of food, and it would seem that wheat uread and butter must go together. With this great demand for wheat, it is somewhat alarming to ensite that wheat inside and butter must go together. With this great demand for wheat, it is somewhat alarming to ensite the amplied in the near future, saying nothing about Europeans and Asiatics. At present, Minnesota, Wiscousin, Kasass, lows and Nebraka mainly furins the same whends of oullivaling about falls, and which most Eastern farmers think wholy unfit for habitating. The great future sampler or wheat the aweary becomes on importable. The great Missouri and many severa the solome falls, and which most Eastern farmers think wholy unfit for habitation. The truth really is these arition for the avera is is needed at homes is grown. The great Missouri and many first wheat her and the wheat is needed at homes is mome this the averation wheat is a needial at homes is for wheat t

MISCELLANEOUS.

Type-Setting Machines.

The question is very often asked by publishers, with a strong emphasis on the first word, "Is there a type-setting machine which will economise the labor of the printing office, or save us from some of the inconveniences will economies the labor of the printing office, or save us from some of the inconveniences stiendant upon the liness, incompetency, or, as sometimes happens, the natural perversity of type-satters?" We must say that, for our part, we would rather deal with the crooked-ness of file compositor. No type-setter has yet been flowense equal to Matthre's own com-positor, and none will yet be invented equal to it until the principle upon which inventors proceed its working out the problem is radically changed. We are have no which inventors proceed its working out the problem is radically changed. We are have the incers, helping along the mix who plays the machine, while another opers the appratus and shelfset up the 'morks admirably!' but we see one man with a pick and mother with pincers, helping about the mix who plays the machine, while another opers the appratus and shelfset up the 'mapply tubes' or farces open a gate. We find that the distitutor does not work with half the rapidity, and is still more complicated. Yet we are told that "the London Times uses is of them." That should settle the matter, only it does, not; and we feel that even if the would make them no better than they are. The truth is that no machine within the means of the printer has yet been invented which will do the necessary work. No such machine can or will be invented, as we have said, until the principle adopted is 'radically changed. Delements's Type-setting Machines differ

means of the printer has yet been invented which will do the necessary work. No such machine can or will be invented, as we have said, until the principle adopted is multically changed and the principle adopted is multically changed.
The sampler's Type-setting Machines differ the significant set in New York newspaper offices, yet with that no one could observe the trouble they give, and their rather meager results, and principle adopted is multically addined for the setting machines we know of in results that no one could observe the trouble they give, and their rather meager results, and their rather meager results, and their the the machine type-setting bad become a fact. These enabling that here any set in the setting machines are different that 'the London Times uses six. The setting of the setting machines are different that you must have a still result that set in the times are recommendation. As in this brief noties, in reply to many questions, we are confined on the yestext to preve the westext that 'the London Times uses six. This is in many respects an important addition of the setting machines we have a stall set to expect a smachine work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, to be able to undo its work to avail to set type, the the through its gauget and the set article availed the set article availed to the the set article availed to the the set article availed to the the set availed to the the set article availed to the the set availed to the the set article availed to the set availed to the the set availed the set availed to the set availed the

first available type-setters with the above, purpose. If any questions are answered in the above, the whole object of the article is gained, and we may say that few printers need trouble themselves for some time to come about any advantage they hope to derive from type-set-ting machines, especially if wanted for small offices.-Neuspaper Reporter.

sun shines with undiminished splendor 300 days in the year. -N. Y. Tribune.
 Tun editor of Moore's Rural speaks of meadows which have not been plowed in 20 years, and yet they yield not only heavy but first quality hay; they having always been pastured in early Fall, never fed close, and occasionally horrowed and top-dressed with fine, well-rotted manure.
 Waren SERING .- Hair-springs, says a writer in the Vistoria Maguaine, are made in the factor first diameter to be two spools first the paws of a fine gauge, and the dial-hand shows its diameter to be two inserted between the jaws of a fine gauge, and the dial-hand shows its diameter to be two twenty-five hundredths - are inch. A hair plucked from a man's head measures thread in their spring weighs one afteen th-bousandth of a fine gauge. A hair spring weighs one fifteen the use of the street between the metallic jaws of the gauge. A hair spring weighs one fifteen thousandth of a spring. The investion also consists in the first basket for adding the burse are meddled with, the two the hair compresses one-half between the metallic jaws of the gauge. A hair spring weighs one fifteen the burse of the gauge. The investion also consists in the surgest of the first ware and between the bask of a first base of the first ware and between the bask of a first between the metallic jaws of the gauge. A hair spring weighs one fifteen th-bousandth of a statice and berne are meddled with, the burse at heat streight line it is a foot long.
 Basy Poamtors.- Boil a fresh beet bone.

with a view to profit

APPARATUS FOR DEFINIO GRAIN.—M. Coignet has recently devised an apparatus for the pur-puse of drying grain and other substances at a cheap rate, and without destroying the germi-nating power of the seeds at the same time. For this purpose the articles to be dried are placed upon perforated stages, and traversed by a current of sir from above, downward, heated to the proper temperature, from 104 to 122: Pahrenheit, which he finds best to suit his purpose. A still highes temperature, namely, from 300% to 310%, applied in the same ap-paratus, enables him to dry certain animal matters, intended as masures, without causing the loss of their nitrogenous material tout as such a temperature of dry atr would be spt to cause combustion, he replaces this by super-heated steam. In this way he has succeeded in preparing twenty cubic matters per day, and he to of the opinion that in this way we can be to dthe opinion that in this way we can be to the opinion that in this way is no illed for their hides and tallow, such the de-composition of which in great quantities is no table to produce pestilence.

INCREASE IN POPULATION.-It is estimated that during the past year, the population of California has been increased upwards of 25,-000 by means of immigration alone. Placing the additions by birth at 15,000, which is a and estimate, as the proportion of births over deaths is very large. California being consid-ered the healthicus State in the Union, and we have a total increase of 40,000 for the year. It this rate of increase continnes, by the time another year shall have rolled around, we will have a population of over one million.

pound troy. In straight line it is a foot long. BEAN PORNEDOR.— Boil a fresh beef bone (1 think sait beef would answer if aufficiently freshened, though I never tried it.) in a large quantity of water, and use the meat for any-thing you choose. Let the liquor become ecol, and remove all the grease. Boil a teacupful of beans in three quarts of this hiquor until thor-oughly soft and in pieces; add a little rice, the necessary amount of aalt, and just before taking from the stove, a little thickening of some kind of meal. We use it about the thickness of gra-el or gravies and add a little milk when we eat. Two Severmounter.—The name is given to a

ly to the chimney. How to TREAT BURNS.—The less that simple outs, bruises and burns are meddled with, the botter. If they are kept clean and excluded from the sir, nature will take care of the Leal-ing process. The salves and lotions so com-monly used are generally irritating rather than beneficial, and hinder rather than hasten the curs. For cuts, a little court plaster to kee the edges of the skin together; for bruiss, wet doths; for burns, a covering of dry whealen four are usually all the treatment, and the very best, that can be used. If from an unhealthy wate of the body or from external irritation, inflammation is produced, something more may be required, the remedy varying with the apecial case. BTRIM TO AUSTRALLA.—J. C. Merrill & Co.,

from the slove, a little thickness of grandle of meal. We use it about the thickness of grandle of meal.
 a strat Spectraconarg, - The name is given to a simple little device for copying drawings, exhibited in the French department of the Vienna Exposition. It consists of a board, near the hidde of which is a piece of window-glass board, near the middle of which is a piece of window-glass the 27th. Clyde-built steamers specially adspied to this line have been built, and will fastened at right angles to it by means of two is worked wooden uprights. When placed near is window, with a drawing or copy on the end in the glass causes it to appear upon a sheet of the is on the opposide side of the glass.
 In this way quite an accurate tracing can be made by one who is no draftsman.