Vel XXI No 413

SPRINGFIELD MASS. MONTREAL and **CHICAGO AUGUST** 15 1900

50 Cents a Year x

## farm and Home Problems.

UR growing boys and girls are liable to meet with even graver problems than those of to-day, in the coming century. Then in the coming century. for the love of them and of humanity, select the very best teachers to be found for the public schools. Begin right now. Methods are secondary; get the wisest, kindest, broadest men and women to be found, such as will sympathize with the pupils and bring out the best that is in them. Scores of letters received in our bired help contest emphasize the economy of getting good men and paying good wages. How much more important to employ the best teachers to be had!

A woman whose early nome may pened to be in a district where veran-das did abound, and is living now in mark region, writes me: "It woman whose early home hapa different region, writes me: "It makes me hot when I drive around and makes me hot when I drive around and see farmhouses with everything else one wants except a piazza—which hereabouts isn't much bigger than a pocket hadkerchief. Yet inside there is a holy of holies of a parlor. If there is a scrap of a piazza, it is sure to be on the hottest side of the house."

Is your boy talking of seeking employment in the city this fall, against your wish? The larger places must have some of our brightest and best, but they have had more than their share. After sounding many fathers and sons I am convinced that the averand sons I am convinced that the average boy would be willing and glad to stick to the farm if two conditions, in particular, were right: First, that he have fair play in the working of the farm, and second, that he have enough of contact with the outside world. enough of change and recreation to escape the craze which some boys have for a different life. It is human nature to crave that which is denied. Take the boy around with you, let him see with his own eyes that the successful farmer is a man of affairs, with a wide acquaintance, and the farm will cease to be a prison and become a delight.

The speculators on the Chicago board of trade are becoming wonderfully virtuous, making a fight to the finish against the bucket shops. The latest development is the refusal to send out over the telegraph wires con-tinuous quotations because these en-A little earlier the board suspended for one to five years some of its members, including one prominent officer. for bucketshopping and within a few days the city authorities have made numerous arrests of operators of these fraudulent trading concerns. While the efforts of the produce exchanges of cities to exterminate the bucket shops may be ascribed to selfish reasons, the fact remains these nefarious outfits should go. There is not the semblance of right in their so-called trades, and the tendency is to depress the price of farm executative commodities are the farm. farm speculative commodities such as grain and provisions.

# One Way to Co-operate.

A movement has been started for free rural mail delivery by the board of trade in the small city of Windsor, Ont, opposite Detroit. There is every reason why the royal service should de-liver the farmers' mail right to his door, just as is being done by Uncle Sam across the line. This year \$1,750. will be expended in free rural mail delivery among the farmers of the states. But the post office department will get a large slice of it back by largely increased business and closing | stock to \$8,000,000 and its reserve to

valued at 101,600,000 and from Great Britain nearly 37,000,000. Our exports to Great Britain were 99,000,000 and to the states over 45,000,000. Much of the imports from the states is raw material which goes through manufacturing processes, including coal, cotton, wool, hides, corn, tobacco, etc.

## An Impending Evil.

The Canadian Bank of Commerce, by its absorption of the Bank of British Columbia, thereby increases its capital

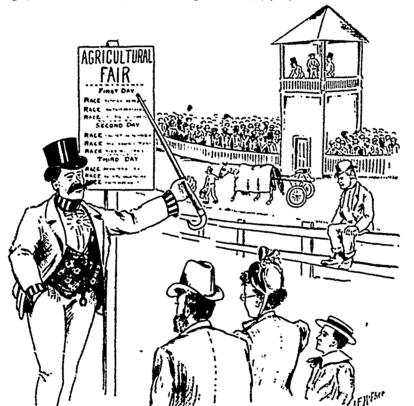
from Yamaska river to St Francois du Lac. Que. The federal government paid the promoters \$3200 per mile and the Quebec government 4000, a total of 7200. The subsidy secured, the enterprising promoters took up the rails, carried them over to Nicolet and put them down on a section of the Nicolet and St Gregoire road and received a new federal subsidy of 3200 per mile on the same rails. But one train has ever been run over the rails of this road which has cost the people 10,400 per mile.



Not only ought the hiring farmer to be interested in our "hired help" con-test but the hired man as well. Many points are brought out in the short opinions and practices of our hiring farmers that are of value. And many a hired man can thank his lucky stars he has so good a place to work. Of course others will watch with longing hopes for a better place than they now have. But after all, every hired man's place is made pleasanter and better when mutual co-operation exists be-tween the hiring and the hired.

# A Big Prize, Easily Won.

This coupon pretty nearly tells its own story. All the competitor has to do is to read the advertisements in Ferm and Home (Aug 1 and 15) to find that one which you think is the most effectively writen; that is which advertisement is so expressed as in your judgment to best accomplish its purpose of making known, or increasing the demand for, the article advertised. Write the name of such advertisement Write the name of such advertisement. in the coupon below, together with your own name and address. The advertisement that gets the largest number of votes will be the correct answer, and the coupon earliest mailed that names this advertisement will win the



# The Agricultural Fair of To-day-Where Does the Agriculture Come In?

It is not really quite so had as this, but the trotting horse is getting to be the chief "agricultural" product shown, often robbing more important departments of their share of the prize money.

of superfluous country post offices. But even if he don't, it is cheaper to pay a little more taxes and give some honest neighbor a job delivering the mail daily than for 100 farmers to each drive an average of 3 to 6 miles several times a week for the mail. By a little of superfluous country times a week for the mail. By a little co-operative effort of this kind, our readers can save time. And time is money with the ambitious.

# The Foreign Trade

of the dominion the past year reached proportions never before attained, nearly \$313,000,000, while the value of exports show a decrease our imports were some 23,500,000 greater than the year before. In per cent of total trade, the United States took 44, Great Britain 43½, and all other countries 12½. We bought from the states merchandise Wo

2.000,000. Its branches for doing business are increased to 69 in number. If a few more "absorptions" of this character occur, the Dominion will have a hankers' trust far more powerful than the one now said to exist in the states. Canada's area is too great and the country too sparsely settled to allow a few persons of wealth to control its finances. Already the C P R is commonly regarded as a creature greater than its creator and should it and the few banks join hands it would be a sad day for the people of Canada.

# Railroad Promoters Still Active.

One of the worst exposures of the utter weakness and possible corruption of existing method of granting railway subsidies, is the Sun's investigation of the grant to the proposed railway

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BY THE PHELPS PUBLISHING CO.

Entered at postolice as second-class mail matter
TERMS.-50 cents a year; 25 cents for six months,
payable in advance clubs of two or more, 33c per
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to February I, 1901, and so on Some time is required after money is received before the date, which
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27 Worthugton St., 204 DearbornSt. SPRINGFIELD, MASS. CHICAGO, ILL. Orders for subscriptions, advertisements, and ed itorial letters can be sent to either office.

RENEW NOW Sept. '00-ap-sept. '00-ap-sleyellow address lawel bearing your name, which will be found on the vrapuer or margin of your paper, your subscription, which, as the date shows is path up to Septer 'er 1, 1900, expires with this (August 15) number.

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# A of 50,000 Words FREE

Afull description of this Dictionary, which is the best and most comprehensive of its kind and which non-should be witnout, will be found elsewhere in this number.

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### FARMAND HOME.

Springfield, Mass., or Chicago, Ill.

To Exterminate Prairie Dogs, the following formula and poisons are recommended by the Neb exper sta. Compound it carefully, exactly as recommended. Dissolve 3 oz strychnine and ½ lb potassium cyanide in 1 qt boiling water, then add 2 ats molasses and 1 teaspoonful of oil of anise. Stir, then place 1 bu wheat in a tight receptacle so there will be no loss from leakage and pour the foregoing solution over it. It should then be well stirred while an assistant slowly sprinkles into the mixture 4 lbs finely ground corn meal. The molasses renders the liquid adhesive, so that it will cling to the grains of wheat. The object of using the corn meal is to absorb the superfluous liquid or syrup and thus enable the grains of wheat to carry a larger amount of poison. Drop a spoonful in or around each hole. One bushel will do for 160 a in an average prairie dog town. following formula and poisons are rec-

## Fall Work on the Farm.

## STORING THE POTATO CROP.

In F & H July 1, a scene was portrayed showing the harvest of a 4000 bu crop by A. N. Hoxsie, the largest grower in R I. This year he .. s 70 a potatoes. Our last Issue showed Mr

crop by A. N. Hoxsie, the largest grower in R I. This year he .. s 70 a potatoes. Our last issue showed Mr Hoxsie assorting the crop. We now show by two cuts the crop in the pit. This pit was not designed for winter storage, but to house the crop in the field and thus save handling and cartage. A place was selected in the field somewhat above the general level in order to secure good drainage.

The pit was opened with a plow and pair of horses, the plow being put down to the beam and dirt thrown to each side by two men and shovel with tope liftch, and repealed to get required depth. The bottom was plowed to make casy removing with shovel. Sides were built as the pit was filled, potatoes ore side and bank the other, simply using the heards for a division, thus saving any special fitting or nailing. It was built 5 to 6 ft wide and filled 2 to 4 ft in center, rounded or shaped on top as illustrated, thatched and papered with dirt, adding to it as cold weather increased. Ventilators were placed every 10 ft. Potatoes were stored and sold during Nov and Dec. There was no lugging down cellar and out. I should recommend an air chamber at the ridge the whole length of pit, with ventilators every 15 ft. If storing for the winter. Store after Sept, putting them in dry and letting them go through the sweat before covering with air-excluding material, using judgment in not getting them too deep, or the pit too wide. They keep better than in a cellar, coming out crisp and hard. Turnips may be kept in the same way. Two men and a team can open in four hours enough to pit 2000 bu. I do not use boards for bottom and sides if putting turnips, as they have to be handled. When empty, plow back and the field is as before.

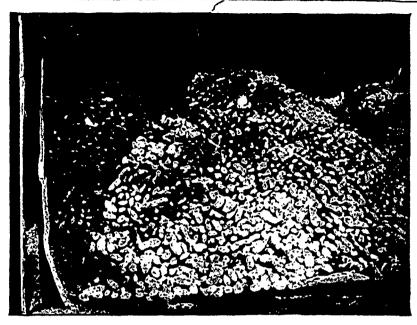
# UTILIZING SEEPAGE WATERS.

Simplicity is the highest attainment in the art of invention and the very embodiment of this is found on some farms where water has been brought to the surface in some simple way. Two or three kerosene barrels, set end to end,

surface in some simple way. Two or three kerosene barrels, set end to end, after being nailed and cemented together, have been sunk in a boggy spot where water showed a tendency to well up to the surface. A gas pipe was conducted from it to the fields where water was needed for stock or irrigation. Without additional outlay, this admirably simple device did its work uninterruptedly for years. Similar devices have been rigged up to furnish spring water for domestic use as well as for stock and irrigation of gardens.

In western Neb, where homes are often advantageously located at the base of lofty buttes and table lands, water is found seeping out at the base of a sandy layer overlying white riverelay. Taking advantage of this circumstance, some have dug back a few feet, making a shallow cave, thus broadening the surface for scepage to such an extent that it yields a liberal supply of fine pure water for house use and for the stock. Sometimes the water from these seepage caves is conveyed by means of wooden troughs to the milk house, then to the horse trough, thus doing double duty. At one place, after passing we'er through the milk house, then to the horse trough, thus doing double duty. At one place, after passing we'er through the milk house the owner conceived the lead of driving the water up a small hill to his home and beyond to his barn by means of a so as to cover all the tistles. Keep the water than was needed by the family and stock, and yet the excavation was not deeper than 4 or 5 ft and 8 or 10 low up till late fall, then in the spring off the field, no do see large and hor the richness to the lower levels of fields, the richness to the lower levels of fields, the richness to the lower levels of fields, the field, to be scattered when the richness to the land was a for its field. Do not fertilize heavily along a slough or near a watercourse. You need all the richness that will be carried away on your farm.—[J. L. Irwin, Nemaha Co, Kan.

Bidding Land of Canada Thistle—cot the land well set in clover,



Interior View of Potato Pit.

ft across, and cost nothing but labor. This is commended to the attention of people living in butte regions, where advantage of such seepage water may be taken.

### SUMMER HAULING OF MANURE.

There is usually a lull in farm work in summer and it cannot be put to better advantage than in hauling manure that has accumulated about barns and feed lots during winter and spring. This will be the best time for top dressing hay lands and stubble fields that are

will be the best time for top dressing hay lands and stubble fields that are to be plowed soon. Manure should be spread thin and even on hay land, so as not to burn or smother the grass. As the stubble is to be plowed under, so much care will not be necessary with it. The heaviest and richest manure should always be put on hill tops and sides, and upon thin places. The richness of soil is constantly being leached out by water and carried to lower portions of the fields. By enriching the upper parts, the gentle rains of fall and the thawing of the snow will carry the richness to the lower levels of fields, distributing it more evenly. If fertilizer is needed on a field where there is a growing crop, a good plan is to haul out in piles and leave along the border of the field, to be scattered when the crop is harvested. These piles should be put along the high ground so that rains falling on them will distribute the liquid manure leached out over the field. Do not fertilize heavily along a slough or near a watercourse. You need all the richness that will be carried away on your farm.—[J. L. Irwin, Nemaha Co, Kan.

plow the field and you will have the best of all fitted fields for barley or cats.—[J. S. Woodward, Niagara Co, N Y.

Growing Tobacco Seed-The boldest. thriftiest plants only should be left for thriftiest plants only should be left for seed, grouped as close together as possible that the bees may fulfil their mission of distributing pollen. The plant may be 'primed' like the other plants and the leaves stripped down to 10 or 12. After the seed head has developed 20 or 30 blooms, all other buds and bolls should be carefully picked off and thereafter removed as fast as they appear, leaving only the first 20 or 30. Seed heads pruned in this way will produce much larger and I believe better seed.—[W. J. Prindle, Webster Co, Ky.

The Most Durable Fence, and, in the long run, the most economical, is a wire long run, the most economical, is a wire fence with hedge posts about 1½ rods apart. In this section hedge fences are used mostly at present, but many have been destroyed every year, as there is so much work to keep in proper condition. In order to keep it down and of good appearance, it must be trimmed at least twice a year. After going to the trouble of trimming twice a year it is then undoubtedly the nicest fence that can be had.—[Ford Co (III) Reader.

Worthless Prairie Sod-O. B.'s prairle grass pasture is failing and wants rie grass pasture is failing and wants to know if it is best to plow in Aug or Sept and sow to rye and timothy or wait until next spring. I would advise him to use, instead of timothy, Bromus inermis, or awnless brome grass. This is a grass much better adapted to pasture in this region than is timothy. He should, however, wait until spring before sowing it, and then seed it alone without any nurse crop. This will give excellent pasture when it does take hold and will be much more satisfactory than timothy. Sow 20 lbs seed p a broadcast and harrowed in thoroughly. [Prof Thomas Lyon, Neb Exper Sta.

# OUR ADVERTISERS.

It is the intention of the publishers of farm and Home to admit into their columns none but reliable advertisers, and we believe that all the advertisements in this paper are from such parties. If subscribers find any of them to be otherwise, we will esteem it a favor if they will advise us, and we will at any time give our personal attention to any complaints which we receive. Always mention this paper when answering advertisements, as advertisersoften advertisedifferent things in several papers.

MANNAMENTER REPORT OF THE SERVICE OF

The Circulation of FARM AND HOME for this issue is urannararassarararararanna

300,500 Copies.

**BOOGGE**SSERGESSERGESERGERGE SWORN CIRCULATION STATEMENTS on Farm and Home are sent to advertisers every three months and are made a part of each and every contract.

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Drawing Water from a Boggy Spot.

# Organize and Educate.

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# THE GRANGE IN RETROSPECT.

As the secretary of the national grange has recently issued a leaset stating the name of the first grange in each state, town in which organized and dute of organization, and also the date of the organization of the various state granges, a glance at the table below is of interest. The statement of the na-

organization, and also the date of the organization of the various state granges, a glance at the table below is of interest. The statement of the national secretary shows 41 state granges as having been duly organized. Subordinate granges have also been organized in I T, Nev and Ariz. The only states and territories that have never had a grange are: Alaska, N Mex, Okla, Utah and Wyo. The states entitled to voting membership are shown in the table below by dots; the dormant state granges (less than 15 subordinate granges) by cyphers.

While the voting membership of the national grange (a state is entitled to representation that has 15 live granges) was largest at the early organization of order, the fa!"...g off was not noticeable for 15 yrs, but in '92 Wis was unrepresented and Tenn and Ala dropped out. Since then Ky, Miss, Va and Neb have become dormant as state organizations. While there has been a decline in the organized work and co-operative efforts of farmers in the south and west, yet numerically the grange has a larger paid-up membership to-day than it has had for mary years. The strongest grange states at present are as foliows: N Y 42,000 members, Me 24,500, Mss 15,000. The national grange has for years been liberal in the spending of its funds for organization work in the dormant states, but of recent years very poor returns have resulted from such expenditures. Farmers of the south and west do not appear to be ready to organize and co-operate. In the more strongly organized states much good work is being done and the increase in membership keeps steadily on. If farmers of every state and territory in the Union would enroll thein names as members of the grange, could do much to improve their condition.

A PARMERS' FAIR SHOULD PAY.

# A PARMERS' FAIR SHOULD PAY.

Would a farmers' fair be patronized sufficiently by farmers to award lib-eral premiums and pay other bills? Why not? Is the farmer so indifferent as not to have interest to patronize that

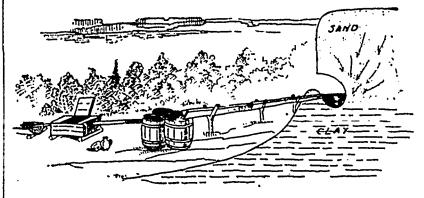
Why not? Is the farmer so indifferent as not to have interest to patronize that which is for his own enlightenment and good? No, he is the most faithful to enterprises where he is benefited of any business man. I believe farmers could raise the necessary means to support a fair on the principles Mr Rice suggests in F & H Aug 1, without aid from the outside if necessary.

A purely farmers' fair for many sections would be the starting point for the uniting and enlightenment of farmers, which are fast coming to the front as our smartest, most faithful and unfilnehing citizens and statesmen. The farmer should have his fair and show the world the products of his industry. A well-prepared fair should be most interesting, for the mechanic may from it draw new patterns and get new ideas, the manufacturer learn more of the raw material, its growth and quality, the artist find new sights and colors for his bruch, the sculptor rew models for his hands. Such a fair should have the largest interests and patronage, and be able to award the largest and most numerous prizes.—[F. N. Cummings, III.

The Farmers' National Congress And Farmers' National Congress holds its 20th annual session at Colorado Springs, Col. Aug 21-31. Addresses on live topics by representative citizens from all parts of the country are on the program. Greatly reduced railway rates have been secured. John Stahl of 4328 Langley Ave, Chicago, Ill, 1s secretary.

T. J. Duncan of Bloomfield, Kan, an invalid, rented 190 a wheat ground last fall, and his children, a girl 16 yrs and a boy 14 yrs, plowed it with riding plows, the girl harrowed it, and the boy followed with the drill. A man was hired to run the harvoster, the children doing most of the balance of the work. The 190 a yielded 4000 bu of 61 lbs wheat.

Section of the sectio

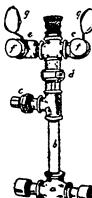


Securing Seepage Water from Base of Sandy Layer .-- See Opposite Page.

# The Handy Mechanic.

### A NEW WATERING DEVICE.

A novel watering device which would be appreciated in especially rural districts, is that invented by L. B.



Lewis of Hampden Co, Mass. It is not patented and so simple in construcsimple in construc-tion any plumber can make one. The device, as illustrat-ed, is made to set in any water tank along the highway from which horses or animals drink. It or animals drink. It can be made of any leach so as to fit any size or shaped tank. Having a neat and smooth cup at its upper end, which extends 2 in or more out of the set to the rim

which extends 2 in or more out of the water and close to the rim of the tank, it is casy to drink from. Galvanized iron is used of 1 in size. The piece, a, has closed nuts screwed on each end; it serves as a rest and foundation for the whole structure, being firmly bedded on the bottom of and inside the tank close to the tank's side to hold it in place. Piece b may be of any length desired, being regulated by the hight of the tank. Piece o is a union by which the water enters the device. It can be made at such hight as will suit the inflow of water. If desired, piece o is not necessary, as water can be received through piece a, provided connections are made for it. Piece d is a union for connections. Pieces c are arms screwed to a I connection, extending out 1 in in opposite directions from the main pipe and then turned 1 in at right angles to the front. A nut. f. is screwed to each end. The face of each nut, f. rests against the side of the water tank and the whole device is held tightly by malleable copper wire. g. fastened at the thread between joint of pipe, c, and the wire, g, drawn through two or three times and securely fastened. The deliverance in the wire, g, drawn through two or three times and securely fastened. The deliverance in the wire, g, drawn through two or three times and securely fastened. The deliverance in the wire, g, drawn through two or three times and securely fastened. The deliverance in from the top, and the wire, g, drawn through two or three times and securely fastened. The deliverance in from the top, and the wire, g, drawn through two or three times and securely fastened. The deliverance in from the tank is season to faste a mile and that its low, whistling noise is heard 14 to 17 seconds after its discharge.

At one station in Italiv these guns were fired more than 1000 times from 56

vice thus rests securely on a and is held firmly in place at f by the wire. Into the T piece is fitted a 1½ in nickel-plated drinking cup 1½ in long. The cup stands about 2 in above the surface of the water in the tank, is 2½ in from the rim, so can be easily drank from. Mr Lewis has placed 50 of these devices in water tanks in 18 cities and towns of Mass and Ct, gratis. He hopes that towns and cities will have sufficient enterprise to have local plumbers make terprise to have local plumbers make them and place in every water tank. The weary traveler, the bicyclist, and in fact everybody, when thirsty, would appreciate them.

#### A EUROPEAN HAIL GUN.

Hail storms have done extended injury to crops nearly every season in sections of southern Europe. After 3 yrs.

of



experiment ing, Moritz Stiger of Styria invented a hall gun which affords complete exemption from hall injury. Stations are located at intervals of about half a mile apart in regions subject to hall storms, and are provided with a small cannon placed vertically and surmounted by a 6 ft narrow, conical trumpet, which transmits the vortex and concussion of a 2½ oz charge of powder to the threatening the formation of hall ing, Moritz Stiger of

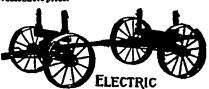
stations, and during the summer, clouds were bombarded 40 times. The firing must be going on just at the moment of calm which precedes the bursting of the storm, or else it is altogether unavailing, as this seems to be the period during which the hall is formed. Stiger's guns have absolutely prevented hallstorms for 4 yrs, and now the vineyards of Italy are being generally protected. Italy has 4000 stations and France is this summer establishing a large number. Hall insurance has been generally abandoned where these guns are in use. In our own country, the use generally ablanded where these guns are in use. In our own country, the use of hail guns, if as successful as in Europe, would remove the greatest uncertainty in the raising of the tobacco crop.—[Director E. W. Hilgard, Cal Exper Sta.

Comforts on the Farm—The vast number of farm houses possess not one redeeming feature. Instead of finding a steady, even temperature throughout the house, well equipped bathroom and a kitchen provided with convenient appliances for lessening the burdens of overworked wives and daughters, we find that during winter parts of the house are overheated and in other parts the thermometer rarges about zero, and a house plan apparently designed to combine the greatest possible amount of discomfort and inconvenience. Our farmers are highly industrious and their daily labor extends over many weary hours, but our lives should not be wholly given up to this. In our homes, our life habits are formed and characters built up, and no condition is more favorable for developing a sturdy energy and manly self-reliance than the environment of the well-regulated country home. Beautifying our homes enhances at the same time the value of our farms.—[Past Lecturer W. F. W. Fisher, Dominion Grange. Comforts on the Farm-The .vast

Milkweed cut two or three times a year and not allowed to seed will soon disappear. A good instrument to clip the second crop with is made by taking a common grass hook and substitute an old rakestale for a handle, thus with long handle many steps are saved and it makes a handy tool to have about a place—[J. C. Fern,-Ct.

# Farm Wagon Economy.

The economy of this proposition is not all found in the very reasonable price of the wagon itself, but in the great amount of labor it will save, and its great dutability. The Electric Wheel Co., who make this Electric Handy Wagon and the now famous Electric Wheels, have solved the problem of a successful and durable low down wagon at a reasonable price.



This wagon is composed of the best material aroughout—white hickory axies, steel wheels, set hounds, etc. Guaranteed to carry 600 lbs, These Electric Steel Wheels are made to fit any wagon, and make practically a new wagon out of the old one. They can be had in any height desired and any width of the un.



le to fit any wagon, and to practically a new wagon of the old one. They can be in any height desired and width of tire up to 8 inches, b an extra set of these any width or the set of the With an extra set of the wholes a farmer can interched and have a bigh or low downson at will. Write for colleges of the file will "Electric United Electric Wheel Co., Box Quincy, ill.

# NATIONAL GRANGE VOTING MEMBERSHIP.

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# Among the Farmers.

# A REVIVAL IN FRUIT GROWING

The fruit growers of Ont are beginning to lift their heads with encourning to lift their heads with encouragement. In 1898 they were aimost in despair because for 5 yrs prices had been gradually lowering in sympathy with the general commercial depression and added to that, the scale and mildew, were locally and extendible, were standily on scale and caterpillar were steadily on the increase. All these evils seemed to the increase. All these evils seemed to culminate that year, and the poon fruit grower began to look upon other industries with envy. Some offered their fruit farms for sale and some began rooting up fruit plantations in order to plant other crops. The change began in 1899 when better prices ruled, and now in 1900 we have both better crops and better prices and the fruit graves.

in 1899 when better prices fuled, and now in 1900 we have both better crops and better prices, and the fruit grower again may consider himself the happiest conditioned of men.

To particularize a little. The strawberry crop was perhaps a little short, owing to the lack of rain in May and June, but the prices were good, averaging about 8c p qt. The varieties most grown are Williams, Waffeld, Haverland, Bubach, Maheli, tiyde and Woolverton: the Clyde is a great favorite and is being much planted.

Cherries have not equalled the great promise of blossoming time, a late trost seemed to cause the tender varieties to drop badly, so that while Richmond, Montmorency and Morello were well loaded, many of the sweet cherries were thin upon the trees. The aphis was on hand as usual, but the lady beetle cleared it out before cherry harvest.

The finest Duke this year was the

beetle cleared it out before cherry harvest.

The finest Duke this year was the Reine Hortense, young 5 yr old trees were worth a journey to see, with their immense loads of very large, attractive fruit. It may be a little soft for distant shipment, but for the home garden it has no equal as a cooking cherry. May Duke was well loaded and is a most excellent flavored cooking cherry, but is a little small when the crop is heavy.

Of the sweet cherries the old Governor Wood, Tartarian, Napoleon and Spanish are the standbys still, but on our young trees cleveland seemed to us superior to Governor Wood, and is of the same season. Tartarian brought as high as \$2 a basket, and certainly no cherry is so excellent for dessert. The best late black here are Elkhorn and Windsor.

as mga as an another the property is so excellent for dessert. The best late black here are Elkhorn and Windson.

Raspberries are going to be over too soon, for the rains came too late to give size to the later berries, but the price has averaged about 7c, making those growers sorry who dug out their plantations.

plantations.
Currants have also surprised growers this year. The crop has been good and prices quite satisfactory, viz, from 5 to 6c p qt for Fay and Cherry. At these prices no crop would pay better f ar an acre will give a grand yield. One of our new varieties gives great promise, viz, the Wilder. The berry and bunch are immense and the bushes most productive; Belle de St Giles is as large but not nearly so productive. White currants have little value in Ont, and black varieties are too thin on the bushes and are too costly in picking—[Sec'y L. Woolverton, Ont Fruit Growers' Ass'n.

# PRINCE EDWARD ISLAND.

Grass lamis of second cut will be light; the new grass is much better but will not be up to that of last year by many tons. There is a large surplus of hay held over from last year, which will give an abundance for this year's necessities. Grain crops looking very thrifty and promise a full average crop. Of the root crop, which is a very material crop with us, all indications point to a good yield.

Farmers are going into dairying more Farmers are going into dairying more than formerly, in fact dairying is the farmers' financial salvation in this country. We have no other mode of making so much money as can be made by dairying. Our grasses seem to be somewhat better than almost anywhere clse. The pastures never go dry, and a bite can be got out of almost any portion of our land if the soil gets anything like a fair shew. Years ago, like most everywhere clse, farmers would crop their land for oats every year. It was a ready seller and the land gave a good return for what little labor was



Pitting Potatoes in the Field. AS TO HOW IT IS DONE, SEE PAGE 546.

given to it. Times have changed, the land refused to be robbed every year without some return being given her, and the farmer has turned his land into cow pastures, at the same time feeding both the cow and land better than they ever did before. The result is, the farmer is getting his land back into something like its old-time fertility and good crops are the result. Feed the cow and she will feed the land, and the land will in turn feed the land, and the land will in turn feed the cow.

Very little, comparatively, of beef is grown, comparing its value with that of dairy products. Of late years a few farmers are again taking up beef raising, but their numbers are small compared with those who follow the dairy industry. Our butter and cheese command a good price ir the markets, and there is not so much labor attached to the manufacture of these articles as formerly. Our dairy industry is run on the co-operative system. Farmers club together and build a cheese or butter factory, hiring a cheese or butter maker to manufacture the milk into either product, charging so much per pound. It is sold on the cheese board and the farmer gets his returns. He generally gets his "cheese cheek" every month, which gives him, a little ready money at all times. This is a great boon to more than the farmer, as the merchant gets more in cash sales, which also helps him to buy for cash, which in turn enables him to sell a little cheaper. Pork raising is not as generally practiced as formerly. The farmer finds he cannot successfully raise pork without milk, and he thinks he can make a little more out of cheese or butter than he can out of pork.—[E. R. Brow.

Manitoba's Wheat Crop, including

Manitoba's Wheat Crop, including the Territories, according to Sec'y S. A. McGaw of the Dominion elevator com-McGaw of the Dominion elevator company, who has been in Manitoba 18 years, will probably run a little short of 15,000,000 bu as against 71,000,000 last year. There will, he said, he no suffering, although merchants may have to carry over some of their country accounts. In 1883, he said, the average yield was 12½ bu p a. in 1890, 21 bu, in 1895, 28 bu, and this year it will be about 7 bu. Commissioner of Agriculture Davidson of Manitobs says the yield per acre over the province will not exceed 5 bu p a. Much will be summer fallowed which will put the soil in unusually good condition for next year's crop. The N P R report a decided improvement in the appearance of growing grain. From Morris, Baldur, Belmont, Hilton, Brandon and Elgin districts, it is reported that the wheat will yield 10 to 12 bu p a, while Minto district will give 15 to 20 bu. Harvesting will be general next week.

Nova Scotia-Crops with the exception of hay are looking exceedingly well in Cumberland Co. Old meadows are light and pastures have been poor and are now drying up. A good rain would be very beneficial although the

grain and root crops have suffered very little yet. Some of the largest growers have cut then hay but it was very green to late July. Steckers are rais-ed quite extensively as a by-product of the dairy, but a great many are brought in from the back districts at 3 and 4 the dairy, but a great many are brought in from the back districts at 3 and 4 yrs old in the fall and fed through winter on roots, corn and marsh hay. Holstein yearlings are gaining ground both as a general purpose and dairy breed.—Crops in general at Amherst promise well but are late. A heavy snow fall in plowing time last autumn cut us off in our fall plowing which, with a backward spring, made late with seeding. Haying fully 10 days late and the crop a little below the average. Grain promises extra well as do potatoes. A dry spell just as turnips were being planted prevented seeds starting well, but are doing well now. Corn is not grown much except for green feed and silos are few. Early frosts prevent proper riponing of corn, which has caused dairymen to turn attention to outs which can be raised in tention to outs which can be raised in abundance.

Dominion Appropriations by the last parliament for agriculture, for the year ending June 30, 1901 Include \$7,000 as aid to agricultural societies, experias aid to agricultural societies, experi-mental farms 80,000, printing reports and bulletins of farms 4.000, commis-sioner's branch for agriculture and dairying 40,000, for promotion of dairy interests by advances for milk and cream and for making butter and cheese, to be recouped out of the pro-ceeds of sales of such butter and cheese, to be placed to the credit of the consoliceeds of sales of such butter and cheese, to be placed to the credit of the consolidated revenue fund 60,000, cold storage on steamships, railways, at warehouses and creameries, and for expenses in connecti n with trial shipments of products, and for securing improvement and recognition of the quality of Canadian farm products 100,000; quarantine 156,000.

SILOS Round, of Any Size, and all Machinery Needed.

G. D. Harder, Cobleakill, N. Y.

# **\$\$\$\$\$\$\$** COUNT

Inferior Salt means a loss in dollars when used in butter or

Windsor Salt

makes it sweet, keeps it fresh, brings higher prices. TRY IT.

DEATH to LICE on hens and chickens 64.p. Hook F

Wanted, Farm with stock and tools in exchange property HAWLEY & BUTLER, Springfield, Mass

Please mention FARM AND HOME when writing to advertisers.

# **General Debility**

Day in and out there is that feeling of weakness that mak a burden of itself,

Food does not strengthen. Sleep does not refresh.

It is hard to do, hard to bear, what should be easy,—vitality is on the ebb, and the whole system suffers.

For this condition take

# Hood's Sarsaparilla

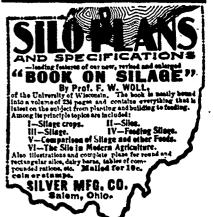
It vitalizes the blood, gives vigor and tone to all the organs and functions, and is positively unequaled for all run-down or debilitated conditions.

HOOD'S PILLS cure constipation. 25 cents.







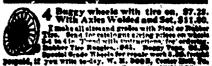


GINSENG









# The Poultry Yard.

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# POULTRY IN HOT WEATHER.

Keep the fowls comfortable in hot weather. Shade, cleanliness and pure weather. Shade, cleanliness and pure water are an essential trio to successful summer poultry keeping. Shade is wanted only during the hot weather, but cleanliness and clean water are needed at all times. Where fewls have free run they will find shade, but when yarded it must be provided for them. Tall growing weeds make the best shade, and some poultry keepers allow golden-rod to grow in the lower end of the yards. This grows tall and the fowls do not eat it, while they prefer its shade to that of trees or bushes. Plums are one of the best trees to plant in the yards and bring in an added revenue from the fruit. When there is nothing of this kind in the yards put up burlap or canvas shelters.

The water must be kept cool and pure. Fowls do not relish warm or rilthy water any more than their keepers. The water dish should be kept in a sheled spot and refilled frequently. Meat must be fed carefully in warm weather and not at all if spoiled. Skimmlik is much relished and makes a splendid food. Be careful of the mixed foods and take pains that they do not sour. The same grains that are fed in winter are needed, but less corn, of course, and it is better to have it cracked. Keep the house as open as possible, take out the windows and put in slat doors. Whitewash the house rater are an essential trio to success-

possible, take out the windows and put in slat doors. Whitewash the house frequently, use kerosene or liquid lice killer on the roosts and powder in the nests which should be changed monthly.

## PUTTING EGGS IN COLD STORAGE

Many million dozen of eggs are annually put in cold storage during the summer when the price is low, to be taken out a few months later as soon as the advancing prices and decreased

summer when the price is low, to be taken out a few months later as soon as the advancing prices and decreased supply of fresh eggs assure a profit. The eggs are bought of dealers throughout the country and shipped to large facilities, such as New York, Chleago and Kansas City. The eggs are first carefully sorte, and graded by expert candlers, then packed in ca. holding 30 dz. and placed in large refrigerators where the temperature and moisture can be controlled. The best temperature is between 28 and 30 degrees Fahrenh it, but below 26 the albumen will cong all and the shell crack.

The candling is done in a dark room under electric light. Every egg is passed before the light to see if it is good, and all cloudy, cracked, dirty and small eggs are rejected and sold for other purposes. A dirty egg is as sure to spoil as a cracked one. As many million dozen are used for manufacturing purposes, there is a market for the cracked ones. Some industries use only the albumen or whites, while others use only the yolks. The eggs are so carefully assorted when put in storage that they are not handled again when taken out if they have kept well, but when there are some that mold or spoil they have to be candled again. More money has been lost in storing eggs than has been made in the business, yet the profits are so alluring that many speculators are alvay's ready to try it. Only chemical cold storage can be successfully used for this purpose.

# CARY, OF GUINEA PIGS.

These little animals are strictly pets and no relation whatever to pigs. similar in habits and disposition to rabbits and should be treated about the same. Keep in warm, dry hutches which same. Keep in warm, dry hutches which must be cleaned frequently. Feed plentifully of fresh roots, vegetables and grains. The young should have soft food for a time and but little green stuff. Sonked peas and beans are relished and boiled pointoes. Give water and feed twice daily only what they will eat up clean. They are very prollific, and the young, which are three to five to the litter, are sorn with eyes open and well-covered with hair. Wean them at six weeks old, taking one away at a time. at a time.

For Nest Boxes, nothing seems to be more satisfactory to henz than kegs, which may be had for the asking at almost any hardware store. A hole. The output of Kan creameries last large enough to admit the hen, is cut year is estimated as worth \$750,000.

in the staves, about 6 in above the bottom, and a nest of cut straw or dead forest leaves put in. They may be placed under the roosting platform at all times. If a hen takes possession of one with evident intention c sitting during the proper season, the whole can be picked up at night, carried to the brooding room, and supplied with cggs. These kegs are readily removed at any time for cleaning.—[G. A. Martin, N Y.

Young Turks Die-A Me subscriber asks why her young turks die, although she gives no symptoms, hence it is impossible to state what may have been the trouble. In R I we are always suspossible to state what may have been the trouble. In R I we are always suspicious of the disease which we term black head. If any other cases occur, the birds should be opened and examined. The disease commonly called black head shows in the enlargement of the facea (or find guts) and also in the liver; the former becoming thickened and the latter being mottled with spots of brownish, yellowish or perhaps greenish color. It has been suggested as a precautionary measure that the turkey roosts, and especially the droppings, should be disinfected early in the spring before the young turkeys are hatched or old ones introduced. A liberal use of slaked lime in the yards is recommended. A disinfectant which may be used consists of crude carbolic acid ½ gal and crude sulphuric acid ½ gal acrefully mixed together and diluted with water in the ratio of 1 to 20. This is quite corrosive and care should be taken to protect the eyes from meddental splashing.—[Prof A. A. Brigham, R I Exper Sta.

A Water Fountain-Water in an the open, unprotected vessel soon becomes solled and very warm. Cool,



clean rater only is fit for poultry and can be kept cool and clean by the device here shown. A box is fitted with a

is fitted with a careful!" hinged and sloping cover that projects over the sides. An opening is cut in one side which permits a third of the dish to protrude. Turn this side away from the sun. Chicks and fowis cannot soil the water or spill it when thus located. thus located.

Do Not Permit Overfeeding, thus making your fowls sluggish, but feed them regularly with a proper amount of food. It is the hen that is active and constantly scratching and searching the lays the greatest number of eggs.—[O. D. Shock, Berl.s Co, Pa.

Meat for Fowls-Fowls in confine-ment need meat. When at large they can pick up an abundance of animal matter in the form of insects and matter in the form of insects and worms, but they are deprived of this when yarded. Green cut bones are the hest form of meat if they are perfectly fresh and sweet, but during hot weather most poultry keepers had better use come of the prejured forms of animal meal which do rot spoil easily. Mix in the mash two or three times a week. A fresh sheep's liver or head is also good. also good.

Dieting a Sitter-The first night that a hen shows her desire to sit by rea hen shows her desire to sit by remaining on the nest after her mates have gone to roost. I remove her and shut her up and keep her there two nights and one day without food. By that time she is so hungry that when let out she immediately goes hunting for food and forgets all about the family she thought she wanted.—[Rachel Kay Mass

The Barred Plymouth Rock is the breed for me, not because they lay the haost eggs in a year, but because they have the most desirable general qualities.—[N. J. B., Va.

It is said 3,600,000 doz eggs have been placed in cold storage for the winter months at Kansas City.

Will some one who has had experience in raising geese and ducks without a pond of water give directions about raising, them from setting until ready for the market?—[E. H. J.

# Lifting the Farm Mortgage.

## A MICHIGAN PIONEER'S STORY.

In the fall of '62 I took my wife and two children, yoke of oxen, cow, 3 pigs,



2 hens, a wagon and some provisions and left my old home in Genehome in Gene-see Co. N. Y. Drove 60 miles to Detroit, took boat to Glen Arbor, Leelanau Co., landed on the dock Saturday at 2 o'clock at 3 o'clock and moved in an old house. As I had never worked on

Sunday I rested, and Monday morning took my axe and cut out two miles of road through the woods to the land that President Grant gave me if I would make a home of it, and we have lived here ever since. I at once cut some logs and rolled up a log house, made shingles to cover it with, and in 10 days moved in it (with no door or window), the happlest man that ever lived, because my little home was my own and I was out of debt. I wish I could say I continued free of debt.

wish I could say I continued free of debt.

That winter I chopped 3 a of heavy maple, beach, ash and barwood, and cut and drew 150 cords of wood to Glen Arhor (three miles); paid \$20 a ton for hay, \$30 a ton for ground feed, kept the cow mostly on browse, and came out in the spring free of debt. Burned brush and piled logs, and before they were burned 50 apple trees, 5 pear and 5 cherry trees, were bought and ready to set out. Chopped holes among the roots when I set out my trees, and did not lose one. Sold the first load of apples that was ever sold in Glen Arbor, and every dollar that I could spare since then went for fruit trees. Cleared the land by burning the timber as fast as possible, for in those days there was no market for logs, and cut wood winters to clothe the family, tsome of the time paid 40 to 50c for calico). Raised chough to eat after the first year, when we had 40 a cleared. Had to begin back for the old log shanty would not hold all of the children that had come to live with us, and the log stable would not ever all of the stock, so we had to tear down and build anew. And with building, clothing and schooling the children, and some years poor crops and buying tools and improving the stock, we seemed to set a little in debt each year. So we held a council of war and decided to hire \$375, pay the little debts and make some improvements. This was in 1885. That mortgage are out of the same dish with us, but we paid the high interest for five years of poor crops. Then we had two years of good fruit crops and lifted the mortgage.

We do a mixed farming, but we get our money from the orchard and Poland That winter I chopped 3 a of heavy

for five years of poor crops. Then we had two years of good fruit crops and lifted the mortgage.

We do a mixed farming, but we get our money from the orchard and Poland China hogs, fattening about 10 a year. The orchard consists of 12 a of all kinds of good fruit, with 400 peach trees and a few apricots. Have 70 a cleared, good fences and good buildings.

There have been many heavier mortgages than mine lifted here with nothing but potatoes. There are many fields of 5 to 20 a. Many have also made more money than I have. One mistake was in trying to raise wheat too long, one in not setting more fruit trees sooner. But, thank God, we lived through it, and I can now set in the big chair and look over some of the childrens' farms, and play with grandchildren ad infinitum. A poor man now can do better here than I have done for there are good roads auils, schoolhouses and a market for all products, and a daily mail, whereas when I came we only got war news once in two weeks carried on an Indian's back.—[W. B. M., Lennwee Co, Mich.

I have been reading the long list of "mortgage lifters," and being a farmer myself for 38 yrs and having five in family, find we can live economically on \$600 per year, but these "mortgage lifters" turn in the whole amount of their crops on their debts Will they explain what they live on?—[G. O. Holmes, Ore,

The Colorado Harvest-The general harvest began Aug 6 to 11. The barley fields will be the first to be cut; then will follow the wheat fields. The grain or will be the largest ever gathered in the state. The heavy spring rains, coupled with an ample water supply for irrigation, gave an abundance of moisture and small grains of all kinds got a good stand. The excessive hot weather and drouth of June and the early part of July did not appear to have any evil effects. The grain stands high and the heads are well filled. The corn and potato crops are coming on finely under the good influence of showers during the last weeks of July. The first cutting of alfalfa was heavy and was put into the stacks in the very best condition imaginable. The second cutting will be much light, and damaged by rains while in swath. The small fruit crop is abundant, but apples do not promise so well, the orchards not having fully recovered from the severe winter of '98 and '99. erop will be the largest ever gathered

Do not be afraid to give your horse a little green grass occasionally, but new hay should not be fed.



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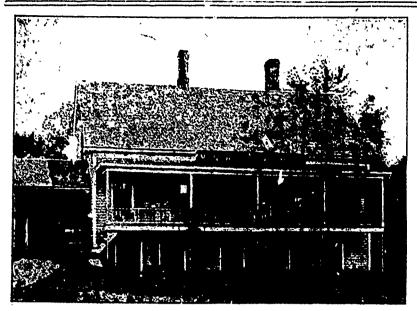


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9



A Typical New England Creamery.

# The Dairy.

#### CREAMERY BUTTER MAKING.

The system of making butter in creameries or factories is in many respects a vast improvement over ordinary farm-dairy practice—w ordinary farm-dairy practice—where the conditions are favorable a well-managed creamery is a source of profit to the farmers of the neighbor ood and a real blessing to their families. But favorable conditions do not always pre-

to the farmers of the neighbor oud and a real blessing to their families. But favorable conditions do not always prevail by any means, and many communities have suffered serious loss as the result of not making a thorough study of the subject before embarking in the creamery enterprise. The creamery plan or factory method of butter making is a positive advance and a permanent one. It will gradually supercede farm dairying in a great majority of cases in most of the states. The conditions and circumstances of every locality and the case of every farmer, should be studied, the advantages and disadvantages reviewed, and the question decided upon its merits.

A creamery having the capacity to handle the milk or cream of 200 to 500 cows can be built for \$800 to 1500 and the equipment will cost about as much more. It is possible to start a 250 to 300 cow creamery with an investment of 1500 to 2000, which may be increased with some advantage to 2500 to 3000. Much depends on local cost of materials and building expenses in general.

One of the most successful co-operative creameries in the Connecticut valley of New England is that at Montague, Mass. The association was organized in 1890 and began business in Oct, '91, the entire plant costing \$3750. Capital stock of 2500 in shares of 10 each were taken up mostly by patrons of the creamery, the balance is a morting cream and making and removing butter are ample and convenient Ice can be easily moved from ice house cooling room. There is a good idea of the exterior and interior arrangements of the building. The accommodations for receiving and storing cream and making and removing butter are ample and convenient Ice can be easily moved from ice house cooling room. There is a good tenement for the butter maker and the front balcony shades the most exposed side of the workroom

The upper floor has a porch running the entire length and 3½ ft wide. In the corner and above the three cream for this room and over the ice box and cold room, is a storage room 9x9 ft. The other ro

An abundance of soft water is brought from a fine spring but a short distance in rear of the creamery and owned by the company. All waste is drained to a quick-running stream near by, and the buttermilk tank is located at a sufficient distance, near thestream, and kept in good order. This creamery has storage capacity for 1000 gais cream and makes about 2500 lbs butter a week, working six days.

All the patrons have creamers or separators about one-half of each now. The factory was operated on the "space" abundance of soft water

system 4 yrs. Then, by vote of the stockholders and patrons, a change was made to payment upon the basis of butter fat, determined by the Babcock test. Much satisfaction and improvement followed this change. Two teams pather the cream. One has a route fully 30 miles in length, but makes the trip only four times a week. It has been found that the cost of bringing the cream from the producing farms to the factory is from 11-3 to 1½c for every pour i of butter made. The cream of ever provided ally an composite, imples made, these being tested two or three times a month. This preamery is located in a region from w. Ich milk is shipped to the Boston mare, at, but the quality of butter produced is so good and its sales are so well managed, that the patrons receive as much for the cream of their milk as their milk-shipping neighbors du for their whole milk.

Montague creamery butter was among the first trial ship, nents of high grade butter sent to England by the U S dept of agri 3 yrs ago, in the endeavor to charge the market for choice American butter. A shipment was also made in early summer for the Paris exposition, in tubs, and other shipments in prints and granules are to be made soon. A most favorable official report has been made of that already sent, says Manager A. M. Lyman of the creamery. "There is one very favorable thing I have noticed for a long time. Where good creameries are established farms are more prosperous than where milk is sold off the farm, or even cream, for there is a certain pride that comes from sustaining the creamery in making a fine product. It is a very good thing also to co-operate in it; it is more elevating to the community and establishes the farmer on more business-like principles."

THE MAKING OF GOOD MILK.

# THE MAKING OF GOOD MILK.

Good milk possesses purity and a high ontent of nutritive matter. The purity of milk depends chiefly on the health and care of the cow, the character of the food used and the method of handand tare of the tow, the character of the food used and the method of handling the product. It is impossible to secure pure milk from ill-kept animals, and ill-kept animals are less likely to be healthy than well-kept ones. The food used, which includes water, must also be good. Milk from cows fed partially decayed, or even musty foods will possess bad flavors, and will sour rapidly, and impure water may not may contribute undesirable taints, but also disease germs. Milk should therefore be drawn from healthy, clean, well-fed cows, by clean milkers, into clean utensils, and immediately cooled and acrated, after which it should be put into clean vessels and kept cool. A dirly stable a pail not perfectly sweet, a bottle impronerly washed a darry room that is filly ventilated, in which the milk is cooled or stored, may each contribute something which decreases the purity, and hence the value, of the product as an article of dict.

Better Milk Prices seem to sight for producers in N Y. Pa. N J and western N E, owing partly to short sup-ply, urgent demand and to the co-op-

cration of buyers in the union eration of buyers in the union. New York city dealers have been obliged to advance their prices fractionally. The Five States' milk producers' asa'n shipping to that mark it has been endeavoring to establish creameries in the country, and convert the milk into butter and cheese, when this is more profitable than to ship in the raw state to the city.

Nearly every dairyman has experienced the shrinkage that comes in midsummer, when pastures dry up and grass is scarce. It is at this time that solling will pay and pay liberally. In what better way can a person realize from \$23 to 25 p a for green corn or green alfalfa? When the cows look over the fence with longing eyes at the corn, the efforts usually spent in keeping the cows out of the corn had better be spent in throwing the corn over to the cows. The green corn, alfalfa or cane growing alongside of the pasture will pay greater profits if marketed to cows in need of extra feed than if held and sold to the local grain dealer, and not only that but it will keep up the flow of mits and increase the profits derived from dairying on dry feed next fall or winter. The average result shows that it is possible to get over four times as much per acre by solling as by pasturing. This does not mean that solling always pays. It will depend largely upon the cost of labor and the amount of pasture lard a person may have. Not considering the amount of land used, the cows oid the best on pasture.—[Prof D. H. Otis.

The McCormick Harvesting Machine The McCormick Harvesting Machine Co. of Chicago, has just received word from Paris that the Gold Medal and 200 francs, the single highest award for binders, was won by the McCormick machines at the field trial at Coulommiers on July 19, against all comers. This is the greatest and most important trial held in France during the exposition year. exposition year.

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# Canadian Farm Affairs.

### THE PEA INDUSTRY.

I visited recently the large establishment of the Cleveland Seed Co of Prince Edward Co, Ont Its situation near the entrance of the harbor affords easy facilities forshipment of the grain, Enter ing by the main entrance, one notices first the hundreds of bags of grain, the first the hundreds of bags of grain, ther on tier, and on every side, so that the immensity of the business confronts one at once. A large hopper is in the center of the first floor. The peas in it are carried through a shaft to a large funnel-shaped box on the next floor, where a man stands ready to prevent clogging. The grain falls thence through shafts to a lower floor. In the picking-room over [16] girls pick over the grain. Two girls are seated at each table, one on each side. The table is covered with a bag to prevent the wearing of the finger-tips. The grain falls through a shaft and is spread over the table. The poor grain is placed in a box at the right hand, and is crushed to make feed. make feed.

make feed.

The sound grain is shoveled into a box at the end of the table, and is carried through a shaft to a lower floor where a bag is attached to its opening. When the bag is full, a man ties it and a truckman carries it to the pile to which that kind belongs. Each kind of grain is kept separately in the picking-room.

room.

The seed company deals almost exclusively in peas, but of late, they receive beans also. Any farmer who agrees to raise seed for them receives the number of bushels he requires for seed free. He prepares the soil, cares for the grain properly and brings it to the seed house as soon as ripe. In the fall he receives hack his seed grain and pay for the rest of his crop according to kind and quality. Of the 10 different varieties, the favorite is Harrison's Glory, a large green pea, and of the field varieties, the Kent yields the best. The price varies from 50c to \$2 p bu, the average 80c

Of the beans, the kind that gives the best returns is a white bean called "1000 to 1" It is too early in the season to

Of the beans, the kind that gives the best returns is a white bean called "1000 to 1." It is too early in the season to know the quality and prices. The farmers have given up trying to raise the lima varieties: either the climate or the soil is unsuitable. The grain is shipped to Beigium. France, Russia, Great Britain and to all parts of Canada and the United States. Since the establishment of this industry 11 years ago, it has steadily increased. Farmers of Prince Edward Island found that the growing of peas paid, and many in the adjoining counties of Hastings. Northumberland, Lennox and Addington send grain by train and boat to the seed house.—[Mrs Edwin Colquboun.

These fields are often tilted back at an angle of 45 degrees or more and inclined toward the mountain. The intervening ground moves forward to the river, the movement in one case being soo and in other cases from 2000 to 3000 ft. One slide had a path 3000 ft long which left a vertical cliff half a mile long and over 100 ft high in a bowlder of clay formation. This land toboggan made a terrifying noise and was distinctly heard two miles away. The weight of earth which slid into the river approximated 70,000,000 tons.

The C P R has recently won a very important suit against irrigators in sections along this line. These landslides in the past have proven very costly to the company. Suit was brought and it was finally decided that the company could enjoin against irrigators at the point where landslides might be produced by lavish irrigation.—[C. J. Blanchard. These fields are often tilted back at an

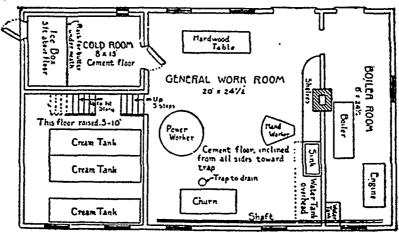
The Big Fairs will be held as follows Industrial at Toronto, Ont, Aug 27Sept 8, Great Eastern at Sherbrooke,
Que. Sept 3-8, Western at London, Ont,
Sept 6-15, New Brunswick at St John,
Sept 10, Nova Scotia at Halifax, Sept other chores will be expected of them.

# The Hired Help Problem.

#### POOR TREATMENT DIDN'T PAY

Have had poor success with hired men and good also. While I tried to get all I could out of them and was not particular how I used them, as I generally did until a few years ago, as I always paid high wages, thought I had a right to get all I could out of them, and as a consequence there was always friction For the last 3 yrs I have tried a different plan. Determined to give fair wages and use my men just as I would like to be used, if I was working as a hired man. When hiring I ing as a hired man When hiring I give them to understand I intend to use them the very best I know how, and I expect them to do the very best they can for me. Tell them my rules, how many hours they will have to work per day, which is nine, for I think it better to have fixed hours and work the same every day, except in harvest, when we must all work all we can.

When working a team the belon must



Plan of Creamery Basement Floor.

12-20, Central Canada at Ottawa, Sept 14-22. Other fairs are: Agricole Du District, at Three Rivers, Que, Sept 5-15; Ontario fairs during Sept, Brantford, 15-22, Richmond, 12-13, Peterboro, 18-20, Paisley, 25-26, Ayhuer, 18-20, Collingwood, 18-21, Almonte, 25-27, Woodstock, 26-28, Pictou, 75-27, Prescott, 18-20, Bowmanyille, 13-14. manville, 13-14.

has steadly increased. Farmers of Prince Edward island found that the strowing of peas paid, and many in the adjoining counties of Hastings. North-amberiand, Lennox and Addington sond grain by train and boat to the seed house.—(Shirs Edwin Columbus.)

PEGULIAR LAND FORMATION.

Delt of land of considerable extent is in British Columbia, where irrigation is in general use of the production of crops. The summer climate of that section differs but slightly from that of chile. The western margin of this region is less than 100 miles on a direct line from the Pacific, but the moisture laden clouds never pass the lofty coast of this country and its general aspect is the same as the cactas and sage brush of our southwestern desert. It is drained westward by the Fraeer river, including Thompson river, the largest, and on the south by the Columbia. Kamloops with 3000 population is the most important settlement in this belt, being located at the junction of the most important settlement in this belt, being located at the junction of the most important settlement in this belt, being located at the junction of the most important settlement in this belt, being located at the properties of the side streams, springs and lakes which drain into the waters from and rich in soil and extensive aidfalfa, grain fields and orchards. This is essentially a great country and forage crops are chiefly cultivated. The grain and crops raised are for home use extinctly.

The irrigation is in the manner of small primitive ditches which divert the waters from the mountain. Irrigation dittens run along the terraces in some cases 100 to 600 ft above the level of the river. The excessive use of water has caused several landslides, which have changed the face of nature to no small extent, and within the last few years eight or ten landslides have occurred. Each land-within the last few years eight or ten landslides have occurred. Each land-young an irrigated field of largo areas. Nova Scotia-Crops in Colchester Co

If not working a team and the horses, are in the pasture, they will have to help milk or any other necessary chores, It is a mistake to keep men in the field a long day, and then expect them to do chores around for an hour or two. Half an hour of choring each morning and evening is enough. In this way I have had good satisfaction. The men generally respond by doing the best they can. I give them a half holiday to attend a picnic or anything going on once in a while, and when it is raining, without I have something they can do under shelter, let them rest. Of course I attend to my business and see my men do their work faithfully and well, for if the master is lax the men will be also. If I get a man that won't try to do well under these cir. mistances I get rid of him as soon as possible.—[W. Worden, Lisgar Co, Man.

# **USE AS CO-WORKERS**

The secret of getting and keeping good men is the property of the prudent and thrifty farmer. I have been hiring help for most of the time during the last 10 them as a farmer and I find that by using them as co-workers with myself, they give all the satisfaction I desire. I hire them for help, not for slavery. My brother man who works for me requires a certain amount of time he can call his own after giving me a fair share of a certain amount of time he can call his own after giving me a fair share of his time and labor. I also allow my help the enjoyment which the farm life can give them, and my motto is a fair day's pay for a fair day's work. I have found that by so doing, after a time my help is equally as interested in the success of my work as I am myself and when I am absent I know that my interests do not suffer an hereby. In a very short time I have afidence in the help I ongage and when a mistake occurs a mild reminder always has the desired effect.—[J. McCharles, Victoria Co, N S.

The Best Man Is the Cheapest-Always hire the best man you can find, even if it costs a little more money; it will pay in the end. Give every other Sunday and the legal holidays, and do not expect a man to work 20 hours out of the 24. Keep the golden rule. You have then done your part and if the man does not give satisfaction just pay him his wages for the time he has worked and tell him you will need him no longer. There will be no difficulty in getting another man, for there are plenty looking for a good place.—[Nettle Fairbairn, Pe th Co, Ont.

The Golden Rule-Do unto others as you would that they should do unto you, has been my policy with the eight men I have hired the past 10 years. Wife works on the same plan. M, help does lots of extra work in garden and field after the days' work is done. Treat hired help kindly and as a rule the same will be returned. Be pleasant at all times and the help will soon take as much interest in the farm as does the owner. Kind treatment is always the best road to success.—[G. H. McKay. Elgin Co, Ont,

A Hired Man's Way-Am 21 yrs old and have hired out on my sixth year. The first 3 yrs worked for relatives and would not advise any young man to do so. Am now on my third year with a farmer who represented South Huron in the Ont legislature 20 yrs and have never had a quarrel with him. I go about my work as if I were doing it for myself and take just as much interest in everything as if it were my own. If I have any doubts about how work should be done I usk my boss about it and do it his way. Try-in every way to please him and in return am used as one of his own family. Think this is the secret of my success as a hired man.—[L.M. Hunkin. The first 3 yrs worked for relatives

I always promise the current wages, pay punctually at the time promised and in the manner agreed on. Always use help in a respectful and social manner, as far as possible applying the golden rule of using them as I would like to be used it in their place.—[John McGeorge, Colchester Co, N S.

McGeorge, Colchester Co, N S.

I don't dog my hired man around. He starts to .ork at 7 a m, quits at 12, takes a full hour for dinner and quits at 6 p m. I pay him \$20 p mo, and I allow him a horse and rig whenever it is possible to do so. We always treat him as one of the family.—[W. R. Richmond, Bothwell Co, Ont.

## A DELIGHTFUL OUTING TRIP.

There are a number of very able water trips in the United States, but it remains for the Dominion of Canada to furnish the tourist with

but it remains for the Dominion of Canada to furnish the tourist with what is perhaps the finest inland water trip in the world. This trip is known as "Niagara to the sea," and is made on the boat of the Richelleu and Ontarlo navigation company. The trip covers 800 miles from Toronto, through Lake Ontario, the Thousand Islands, the exciting descent of the wonderful rapids of the St Lawrence river, Montreal, Quebec, the charming scenery of the lower St Lawrence below Quebec and the Saguenay river.

A trip which appeals with considerable force to the farmer and his family is that from Hamilton to Montreal on the Hamilton, Bay of Quinte and Montreal line, which is operated by the Richelleu and Ontario navigation company. This route takes the traveler through the beautiful scenery of the Bay of Quinte and Thousand Islands by daylight, and its semi-weekly service between these two points, either one way or round trip, is so reasonable that it would seem as though almost zurrarmer within a reasonable discance of the two starting pola's should make this trip sometime through the summer. The boats on the line of the Richelleu and Ontario navigation company furnisa'es the traveler with a number of side traps, all of which will be found very enjoyable. It is needless to say that any tourist going from Montreal to Quebec would not think of going on any other route, save by the boat of this navigation company.

Canadian forests include a region about 41 times greater the Endowed

Canadian forests include a region about 44 times greater than England, which is 59,000 square miles. Any one-of these 44 parts would furnish all the timber necessary for the requirements of a population of 5,000,000 people, and would leave the other 43 parts to be re-served for future use or for export pur-poses.

Separate the Sexes, especially the young stock, if you would push the pullets for winter eggs,

c]

# **Business Side of Farming.**

### THE MODERATE WHEAT CROP

In the winter wheat territory from Pa and NJ westward to Okla and Tex the crop is moving with considerable freedom. Farmers as a rule, however, are somewhat indifferent about acceptare somewhat indifferent about accepting present pites and many or hem will hold hoping for an advance—frour mills are buying freely in Md, the smo valley. Tenn, southern III, etc. and thero is considerable talk to the effect that the big mills in the northwest will be obliged to buy largely of Kan winter sheat. The export trade in winter sheat and flour is me lerate but not urgent, and the market lacks particular animation with recent trade largely on the basis of about 75c p bu for the contract grade at Chicago, choice ted winter bringing a premium over this figure.

figure.

Serious damage to the spring wheat crop of the northwest is everywhere admitted, the extent of this is a matter of disagreement. Following the seve drouth of early summer generous transfalls have taken place, some claiming these brought at least partial recovery to spring wheat, others that they come entirely too late to be of any substantial benefit. Reports show that considerable areas here and there will not be harvested while other counties show a much better rate of yield than earlier hoped. According to the American Agriculturist Aug crop report the general average condition of spring wheat for the U S was 55 8 against 52 1 in July and \$5.9 one year ago. A fair gain during the month is noted in S D and Minn, but returns indicate a scant third of a crop for N D where the drouth conditions were worst. Popular estimates of a total spring and winter wheat crop of '96 was only 470 millions.

DEMAND FOR MEAT ANIMALS. Serious damage to the spring wheat

### DEMAND FOR MEAT ANIMALS.

All classes of live stock are selling well at such big markets as Buffalo. Pittsburg, Chicago and the Missouri river. Cattle are about as high as at any time in months, and hogs and sheep are active with all classes of buyers represented Since pastures have shown an improvement there is a little more willingness on the part of farmers to buy stock cattle and sheep to place on grass, and they are buying at figures which seem comparatively high. In many cases it will-require the best of management on the part of the feeders to put this stock in such shape as to show a profit when sent to the butcher's block next winter. The dressed meat concerns have bought cattle freely, owing to the good demestic consumptive demand and the strength ruling in the Engish markets. In fact the latter has greatly aided the export trade in live cattle, with liberal numbers—clearing each week from New York and Boston.

Little new can be said on the hog trade, usual classes of buyers operating freely, swine selling at a narrow range of crices well above 5c in the big cities, country dealers endeavoring to load at 24 504 475. A good many western sheep are being marketed at Kansas City and Chicago, and possessing good quality sell readily. One day recently 1400 70-lb western lambs sold at Chicago at 5 8065 85 p 100 lbs. The lambs going to market from Ind, Mich. Pa, etc, are only fair in flesh, sciong at Buffalo at 686 25, choice lots a present Cattle are about as high as at any time in months, and hogs and

Pa, etc. are only fair in ficsh, school at Buffalo at 606 25, choice lots a pre-

# INTEREST IN CEREAL CROPS.

Has recently drifted to some extent into corn. Threatened disaster in the south-west during early July, by reason of west during early July, by reason of hot, dry weather was modified by later thorough breaking of the drouth, yet damage in many counties was serious and permanent. Outside of section named, however, the corn crop has made splendid growth up to early August, and providing no disaster overtakes it the crop will unquestionably prove a liberal one. Conditions have been almost perfect in some of the big corn states such as Ia, Mo. Ill. Ind. O. etc. The August crop report of American Agriculturist placed the general condition at \$4.1 against \$2.4 in July and \$6.5 a year ago and 86.5 a year ago. The falling off of 8 point was due to



A Ten Acre Florida Tobacco Field Under Cheese Cloth.

The covering consists of posts with securely set scantling these cheese cloth is laid and fastened. The frame is 9 ft high kind has sold for \$4 p lb. Across the s Sumatra tob antling wires are stretched and over a raised under a covering of this

the lowering of condition in Kan, Neb and a few other sits a affecting the general average, while Ia and O cach stood 99, showing practically perfect condition. It is too early to definitely estimate total yield, but the heavy arreage this year of \$6,000,000 acres warrants the expectation of a crop of at least 2100 million bu. The realization of these generally good crop conditions has had its effect upon the corn market, which has shown a tendency to weakness, contract grade selling a shade under '7e p bu at Chicago.

The Summer Demand for Butter is normal and the market is healthy without particular animation. Early Aug
found moderate quantities going into
cold storage, but demand chiefly for
consumptive purposes. Our export
trade continues indifferent, having little
for no appreciable effect upon values.
Drouth conditions hurt the pasturage
in portions of the northwest also eastern N Y and northern N E, restricting
the flow of milk and preventing the acquantity normal now, however, and dealers are enjoying a good trade. Markets without particular firmness. normal and the market is healthy with-

The Off Season in Barley is nearly over, and with the coming of cooler weather mailters will show more interest. New crop is beginning to appear, the cheaper glades going for feed rarposes with good malting barley quotable in Chiengo at 40365c p bu and at N Y 50c or better.

Low Prices for Oats-Recent transactions at Chicago around 20c p bu caused traders to ask if the market will work traders to ask if the market will work down as low as it did in '96 and '97 when No 2 mixed sold at 14@16c. The crop now being harvested is a liberal one, approximating \$50,000,000 bu against \$70 one year ago and \$00 millions two years ago. In the Ohio valley and in Ia and Mo the crop is almost perfect, but in Kan and Neb earlier promise was followed by drouth damage in July.

Flax Growers are very much in the dark over the future of prices, and much will depend upon the manner in much will depend upon the manner in which the new crop turns out. For weeks speculators in control held the market at \$1.80 p bu for No.1 at Chicago, owing to the paucity of offerings. But since new seed has appeared quotations have been lowered materially to 1.406.1.42 and Sept. delivery 1.35. The acreage for the crop of 100 is large, but the harvest returns in the northwest where drouth was so severe in July are quite uncertain.

A Better Demand for Wool 's re ported in some of the big trade centers. Prices have shown no appreciable gain since the decline in the early part of the summer. The present hardening, however, may develop into possible advant s a little later.

New Timothy Seed is appearing on the markets, the first lot received at Chicago coming from Ia and selling at \$3.60 p 100 lbs. A year ago the market for new seed opened at about \$2.50, thus indicating the present higher indienting present range of prices.

Long Guess-Transactions are noted in year corn at 34c per bu. In other words speculators have contracted to deliver No 2 mixed corn in Chicago at any time between now and Dec 31 at the figure named.

Reduced Yield of Hay-Harvest is completed except for a second growth year ago and 800 millions two years ago.
In the Ohio valley and in Ia and Mo the crop is almost perfect, but in Kan and Neb cariler promise was followed by drouth damage in July.

Interest in Hops is looking up and growers are a little more encouraged over the price prospect. The belief is general that the crop will not prove a heavy one either in N Y or the Pacific coast, and buyers are showing ley. Ind, Ill. I. Kan and Neb than in and some of the alfalfa and wild hay

more interest without making any particular advance in bids. In the one states, including Pa. N Y and N E. sales have been made, to be activered Fairly well distributed rainfall through-after the crop is harvested at loc p ib. out much of the orethern half of the and the few transactions in the Mose country during July served to help out hawk valley have been made at 19911.

Flor Gregory are treat and the few transactions in the Mose country during July served to help out the second crop and this may make it necessary to modify earlier estimates.

New Grop Pea Beans have been con-tracted at \$1.50 per bu for hand picked. Oct delivery, and 1.48 for Nov delivery f o b Mich shipping points. These prices are 50%60c below present market for old beans.

Manitoba Wheat F.elds will have some surplus beyond local requirements in spite of weather viersitudes. The minister of agriculture estimates the total yield at 11,000,000 bu.

July Receipts of Hogs at Chleago ere the smallest since '96 when Aug were the smallest since '96 who arrivals were scant 500,000 head.

The Chinese Troubles and Cotton-The Chinese Troubles and Cotton—Experting annually to China cotton goods to the value of \$10,000,000, the ces sation of this business owing to the fighting is serious. The outlet for this steple is curtailed, affecting the mills not only in the south but in X E. At Biddeford, Me, cotton mills shipping largely to China have closed temporarily affecting about 3000 operatives

The Bucket Shops are having a hard The Bucket Shops are having a hard time of it this summer. A large number of them located in Chicago have been raided by the police and numerous arrests made. To add to their discomfort the Chicago board of trade has shut of the quotations, making many of the bucket shops dependent upon the figures sent out from the N Y p iduce exchange.

Best Variety of Wheat -The O exper sta for 7 yrs has planted 6) varieties on tenth-acre plots and manifed each exactly allke. Penquite's Velvet Chaff was planted on every third plot as a standard variety. The general results of the test for 7 yrs show the following sorts to exceed Veivet Chaff in yield: Poole and Mealy by an average of more than 4 bu pa each, Red Russian by nearly 4 bu, Nigger, Early-Ripe, Currell's Prolific, Gypsy and Egyptian by 2 to 3, Mediterranean, New Monarch and Democrat by 1 to 2, Bearded Monarch, Vailey, Deitz, Lebauon and Hickman by less than 1 bu each. These tests have been made on a rather thin, somewhat sandy clay. On gravely loams the Valley has made a relatively larger yield than that quoted above. No variety has proved exempt from attack by Hessian fly, but Mealy, Mediterranean, Fulcaster and Clawson seem to suffer less from the fall attack of this insect than most other sorts. The Ohlo station has never succeeded in growing spring wheat. sta for 7 yrs has planted 69 varieties on

American Farm Machines are in high favor in Europe. At a trial of various styles of reapers near Dolibergen, Hanover, in Germany, of local and foreign make, the Walter A. Wood machine company of Hoosick Falls, N. Y. were awarded first prize gold medal on the work of their light reaper and two-horse tubular mower of 4½ ft cut. This is indeed a high honor for the Walter A. Wood company. The machinery and implements of this enterprising firm stand equally as high at home as abroad and we take pleasure in commending them to our readers. Their catalog will be sent free to all F & H readers who write them for it. American Farm Machines are in

# THE AMERICAN AND FOREIGN PRODUCE MARKETS AT A GLANCE

The highest quotations of wholesale prices for standard grades of farm produce in the leading markets of the world on the dates named, poorer stuff lower

	Hos-	1010		Cincin-			S Fran-	Mon-	Liver-
İ	ton	York	cago	nati	leans	lipite	Cl+CO	treal	pool
August	4	4	. 4	3	3	3	3	3	3
Wheat, p bu,	_	5103	.743.	77	-	_	11.10	.8114	.90
Corn, p bu,	.4714	.43	.37	.421-2	.52	.51	11.18	.46	.5214
Oats, p bu,	301	2514	.21	.21	.311,	.32	1.20	.3014	.45
Ryc. p bu.	61	51	.43	.60		_	.34	.66	_
Barley, p bu.	.53	50	.45		-	_	1 90	53	_
Flour, p bbl,	4.50	4.75	4.50	4:0	4.15	4.60	3.75	4.75	4.50
Cotton, mid upland, p lb.		.02%	-	.0915	.101	0.08	. –		107
Cattle, p 100 lbs l w,	6.50	5.75	G.00	5.60	4,50	3.73	4.00	_	1.13
Sheep, p 100 lbs l w.	4,50	4 85	4.50	4.25	4.00	4.00	4.50	_	E -11
Hogs, p 100 lbs 1 w.	5.75	5.75	5,35	5.45	5.00	4.50	6.10	8.85	
Veal calves, p 100 lbs l w,	6.00	7.00	6.75	7.25	5.00	5.00	6 00	_	
Fowls, p ib, d w,	.12	.1112	.02	.0812	*4 00	*2.75	*3.00		
Butter, creamery, p 1b,	.201	.20	.19	.31	.31 .3215	.23	.2314	.2115	.211/4
Cheese, factory, plb.	.091/	£100.	.10	.1115	.1215	.13	.10	.10	.11
Eggs, p dz,	.22	.19	.12	്ന	.12	.11	.23	-14	15
Apples, p bbl,	2.00	2.50	3.00	3.00	4,00	-	23,00		_
Hay, p ton,	18.00	10.60	13.80	15.25	17.00	16.00	12.00	10.50	_
Straw, ryc. p ton,	15.00	15.00	6.50	7.00		_	•	5.00	_
Hops, p lb.	14	.13	.1315				.13	.13	.16%
Onlone, p bu,	.75	- 13	.50	.30	72.	.60	.80	_	
Polatoes, p bu.	.70	OD. ~	.35	.45	.45	.50	1 .70	.55	
Beef, p lb d w.	.081				_	_	\$100.	-	_
Pork, p lb d w.	.043	,nx	.051		-		.03		٠
Lard, p lb.	.0A!	.071	.07	07	.07%	.061	ביונים כ	.05!	
Hides,p 1b,	.07	.04E	,ns1;	.071	و ان00،	.031	. <b>ග</b> ්	.08	_
	r box.	Eatima	ted d v	r.					



An English Cross-Bred Quernscy-Shorthorn Cow.

# Live Stock Interests.

A VALUABLE CROSS.

Dairymen of this country are demanding e cow that shall combine with good dairy qualities sufficient size to give her a good commercial value in the open market. Long experience has shown that such an animal is most desirably secured by the use of a Guern-

open market. Long experience has shown that such an animal is most desirably secured by the use of a Guerusey bull on good-milking, high-grade Shorthorn cows.

Over 20 yrs ago the late Lewis F. Allen of New York, one of the grsates' students of stock busbandry and a very successful farmer writes: "My own experience thus far in the use of grade Guernsey cows sired by Guernsey bulls and from high-grade Shorthorn cattle is altogether satisfactory. Altogether of Shorthorn grades, Guernsey grades, younger helfers and helfer calves, my herd numbers fully 100, of which about 10 are irom Guernsey sires, thoroughbred bulls. The Guernsey grade helfers usually bring their first calves at from 20 to 26 mos old, and give within a month or two after dropping their first calves 24 to 40 lbs of rich milk per day. All of them have large, square udders, sizable teats, and are easy and gentle milkers. Such cows easily sell for an average of \$60."

There are many Wis dairymen who recognize this fact and a trip through that state will clearly show the great esteem for cows of this breeding. Not only is this true in this country, but the dairymen of England fully appreciate it. In many herds of ful-blood Shorthorn cattle, one will find Guernsey cows kept to aid in giving richness and a natural high color to the dairy products. Recently a Guernsey-Shorthorn cross-bred cow has won great recognition in England. The London Live Stock Journal says of the cow. "The cross-bred cow, Nancy, the property of Mr George Long, again secured the champion honors at the recent dairy show, where 4 yrs in succession she has won first prize in the milking trials, and the bord mayor's cup for the best cow outside the Shorthorn and Channel island classes. Three years out of the four she obtained a medal for her butter yield, but was just beaten by another cross-bred in 1897. Besides being the champion twice she was a fairly good second in '96, being beaten only by a fraction of a point, the figure being 136.6 against 137. In '97 she took third position f

Milk yield, Butteryield, ibs bs oz Points

to the inspection prizes, Nancy has always obtained notice from the judges, and this year she was deservedly placed first in her class. Also in the milking trials at the dairy show in 1899, the Barham challenge cup of £50 goes for the second time in succession to the same cow. She is a splendin allround cow, both in appearance and in ortformance."

The Guernsey grade is growing in

The Guernsey grade is growing in popularity every day and justly so. The reasons are easily found. They are docile, healthy and pleasant to handle, have good udders, good teats and are large, persistent makers of high-colored, rich milk.—[William H. Caldwell, Hillsboro Co, N H.

Canadian Deirymen have an organization they may well feel proud of, being second to that of no other organized branch of farming. Canadian dairy-mens' associations are active in the ac-quisition of knowledge, in the manufacquisition of knowledge, in the manufacture of dairy products; transportation of same to market has interested their efforts in a co-operative way and its sale to consumers has engaged its especial care and consideration. The dairy farmer is ahead of all other farmers in his understanding of the value of organized co-operative work, and the wonderful advance and steadfastness of his industry in Canada and the states shows the value of suc. co-operative effort.

Barbecued Meat is not cut up. pit is dug in the ground, large enough to cook an entire carcass or half of a carcass. This pit is filled with wood and burnt until it is very hot, usually seasoned hickory or oak is used. After the pit is made thoroughly hot, green poles are laid across it, the carcass placed upon them, and the redhot coals run under the ment. The ment is then turned and cooked until it is "done." During that time it is basted with a mixture of vinega, spice, salts, pepper and such other condiments as may suit the taste of the operator. Good seasoned wood hat will give hot coals is usually used It requires 24 hours to heat a pit and cook a large quantity of carcasses. The annual agricultural camp meeting and fair of the N La exper sta will be held at Calhoun, Oct 3 to 5. with a barbecue, when over 100 carcasses will be served to the public. [Director W. C. Stubbs. carcass. This pit is filled with wood

Horses Are Higher, some 20 per cent, than a year ago, says a western horse-There have been 10 horses shipped east to one exported from the Pacific coast. Good drivers and heavy draft animals are in especial demand. At the beginning of hard times and low 

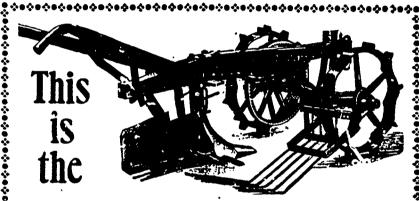
ness with reasonable care on a farm is from 6 to 8 yrs. This time has elapsed and farmers are now compelled to get new stock. This, combined with the big castern shipments during the past 6 mos has been the immediate cause of the present increased prices. The July sales of horses at the St Paul horse market exceeded anything in the history of the yards, more than 25,000 being sold. They were disposed of at the rate of 40 carloads an hour, the buyers being from all parts of the country, a few foreigners being represented. The majority of these horses are from the ranges of N D and Mont. The bidding was sharp and prices ran high, showing a good demand, which though prevailing for several months, has never reached present proportions. The sales at the St Paul horse market during the past 6 mos put it in the lead as the chief market in the United States. More than 100,000 animals were disposed of. Of this number the Northern Pacific brought to St Paul from the ranges 50,-000.

had a monopoly of beef raising, but the tables are now slowly turning. The rancher's pastures are dried and eaten up and advancing civilization closes him in. Beef cattle are up and the time is almost ripe for the eastern farmer to stock up with the beef breeds, 'the advances made in economical feeding since the eastern farmer stopped growing beef make it possible for the eastern farmer to grow beef on equal terms with his western competitor. There is good money in sight for the eastern farmer who stocks up with Shorthorn, Angus and Hereford cattle. Ensilage corn will go far toward solving the problem of feeding.—[J. A. McDonald, P E I. had a monopoly of beef raising, but the

Sorghum should never be fed cattle which is yellow and wilted. Cut sor-ghum and let it lie some time before this number the Northern Pacific brought to St Paul from the ranges 50.600.

Eastern Farmers Will Baise Beef—
For several years western ranches have

find an defect the solute thine better feeding. Sorghum is one of the best annual midsummer forage crops that can be raised in Neb. The use of healthy sorghum for pasturage with ordinary precautions, and of sorghum hay, is safe.—[Prof T. L. Lyon.



Will do satisfactory work in dry or wet ground or among green vines. Dirs every row, leaving the ground level and the potatoes on top. It is light draft for one team strong. durable, simple.

We absolutely guarantee that this digger will dig your potatoes as you want it done. You need not pay us a cent until you have proved this in your own fields (deposit the money with your banker or postmaster).

Write for full particulars.

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# Talks with Our Lawver.

Questions for Our Legal Adviser are answered in turn, but on account of the large number of queries received it is often some weeks before replies can be printed. In case an immediate answer by mail is desired, 31 should be inclosed. Subscribers to eastern edition should address the Springrield offiles, western edition readers, Manquette Building, Chicago, Gardner & Ilurns, 25-215 Marquette building, Chicago, the charge of western edition legal inquiries; for the eastern edition Charles H. Beckwitt, Esq. of Springfield, Mass.

Caution: Subscribers in aiding questions recarding the distribution of estates should state all the facts and circumstances if real estate is involved, where it is situated, etc. A question like this, as the law takes according to the facts, and the whole law is too long to be printed in full, and hence our answer may be milicating.

HOLIDAY LABOR-C! Yeader A farm HOLIDAY LABOR—C) Yeader. A farm hand is hired by the montt, must be work on holidays? In the absence of any understanding at the time of the hiring, the question must be settled by a consideration of circumstances and the nature of the employment. If his duties were understood to be to feed cattle, then such service he would have to perform holidays and even Sundays. But if his duties were to get in hay, a court would probably lold that the narties intended that the taborer should have his own time on a holiday.

RIPARIAN RI dTS-N., Mich: A and I; own adjoining land. Water flows from his land on Ii's land. Has II a right to build a dam on his land which will set back on A's land the water which would otherwise flow on II's land? No. A has a right to have the water flow off his land so long as it does so naturally.

TENANCY-Va Subscriber: Your tenancy being from year to year, 2 most no-tice may be given by either party to ter-minate the tenancy.

TRESPASS-N Y Subscriber: No land owner is obliged to let the public use a footpath across his land. He may fence it up and post a notice warning of tres-

OPTION ON LAND-D. F., Pa: Whether or rios on Land-D. F., Pa: Whether or not you are now bound by the option you gave on your land depends on the terms of the option. If by it you were to hold the land for the purchaser until April I, you are not bound now if it has not yet been purchased.

DEED-N J Subscriber: A deed of land conveys the house upon the land. A purchaser of land can make a tenant at sufferance move.

FENCE-Pa Farmer: When both owners of adjacent land improve the same, both are bound to erect half of the line fence or to contribute equally thereto.

POLLUTED WATER-J. C. N Y: Your POLACTED WATER-J. C., N 1: four neighbor above you has no right to polute water running through his land and then through yours. You have a right to receive the flowing water in its natural state. If you do not, you can proceed by injunction or sult for damages.

-PLUCKING FEATHRIS-M. J. F., Mass: There is no law now in Mass pro-bibling the picking of feathers from five

TENANCY-M. Tenn. Your contract of enamy is binding and if you can moto it one will be all right. No particular num-er of witnesses. The one winers who till correlamite your testimony will prob-bly be sufficient.

RIGHT TO VOTE-N Y Subscriber: A foreign born inhabitat. of N Y II yes of age can twic after he has been a clitern is dayn.

HOUSEHOLDERS RIGHTS—Mrs L., Maint The overflow of a town brook sewer film a house collar. What are the rights of the householder? He can say the town.

MILLER'S TOLL-What a miler shall get for grinding a grist is a matter of contract. Inc. of is a life can collect the amount agreed man or in the absence of agreement a reasonable componisation.

. IJEGACY—Nich inquirer: I' you are left a longacy mich tend to the conficted inheritance in and the state of it is not be at the state of it is not be at the area in any thing the area in was 10 bay inher on begater out of the colate.

PROPERTY ENGINEER. Que: resultants in the property to a trained by him menoge his near the comment in the

# Our Veterinary Adviser.

[Questions for this department are answered in turn, but on account of the large number of queries received it is often some weeks before replies can be printe. In case an immediate answer by mail is desired, \$\mathfrak{F}\$ should be inclosed.]

SPAVIN-E. S. (Mich) wants to Be. SPAVIN-E. S. (Mich) wants to know if a bog spavin or thoroughpin will cause lameness if present since birth, and is there a cure. Bog spavin and thoroughpin are the same only in different localities. Bog spavins that are present at birth and remain on the horse until he is five or six years old can, ot be removed and do not cause lameness. A bog spavin crused by strains or injuries ran usually be removed. Mix bindedide of mercury 2 dr. lard 2 oz. Apply a little once every second week until the swelling disappears.

SWELLING-B. F. J. (Ariz) has a horse with a swelling on its withers. Mix 2 dr cantharides and repeat in two weeks if needed. If it should break and discharge mix 1 dr chloride of zinc with 1 pt soft water and inject a little twice a day.

AMENESS-S. E. T. has a horse that LAMENESS-S. E. T. has a horse that is lame in lis fore feet, he does not seem to have any life. Mix 4 dr canthandes with 2 oz lard, rub a little around the coronets, let it remain on 21 hours and then wash off. Pepeat the blister every second week until sured. Also mix 4 oz sulphate of iron and 2 oz nux vonica, divide into 24 does and give one once a day in bran mash until all are taken.

LOSS OF MILK-J. H. has a helfer that at one she seemed to dry up, she appears well. Give 11, the enson salts and 1 oz ginger dissolved in water at one dose; also rule the udder well three times a day with camphorated oil

ECZEMA-F. L. has a horse that has a disease of the skin and rubs the hair off the affected parts. Wash well with soap and water and Gry. Mix 2 oz ichthyol with 2 oz vaseline and rub a little of this well into the skin, in four days wash again and dry and rub on a little more of the ointment and so on until cirred. Also give by oz doses of nitrate of potassium at a dose twice a day for a week in mash.

PLEURISY-H. L. W. has a cow sick and stiff in her fore parts; there is also a swelling under the jaws and on the niso a sweding under the Jaws and on the brisket. The cow has pleurisy, which will likely cause dronsy of the chest and around the heart. Give I or tincture of from at a doze three times a day in 1 pt grue! Also give I dr Iodide of potassium at a doze twice a day in 1 pt cold water.

FOOT LAMENESS-A. R. has a mare that has been lame in one of her forefeet for over a year. Such lamenesses are very difficult to cure. Mix 4 or canthardes with 2 oz 4rd, rub a little around the coronet once every second week and continuo for several mentis. Do not work or drive her while under treatment.

land's son cannot resolver for digging a cellar on your laist, he having done so without any request to that effect by you.

MINGR'S STITEL, Wis. A log under 16 hos his hand cut off its a machine in a factory, than this minor bring suit for strong sort of the efficient same of action he can suc, by his guardian or next friend.

SWOLLEN LEGET. M's mare has a swellen leg. Rathe it well for half an hour three times a day with hot water and after each bathing rub it well with a little soar linkment. Also mix to z substant of the efficient same of action he can suc, by his guardian or next friend.

CHAT WITH THE EDITOR.

Cuthbert and Columbian are two good red raspherites for planting in N Y S. D. L. van low them of the nurservinen activerising in F & H Set mants set 28 to 28 or very early in spring.—W. J. D. There is no way of retinning old cannery time so it will pay, the process is too vaperative—M M To avoid consigning your word to middlemen, you should consigner the retiling a fair avvace sample, stating amount you have available for altipment. For offee of peoplar wood, address lake George Mill, Theoreteega, N I, or international Paner Co. Millate St. Boston, Maga.—G. E. aske what a young and ambitious farmer can do on a droat; rainy day miles be law good, newer texts of F & H. The colitor would suggest that he write F & H a good, newer texts of the sertipitie of the farming conditions of his section, condition of crops, stock, elements. 

If farmers would hand together into one wild body for the lowering of taxation and the betterment of their condition, they would find times would improve wonderfully for them.....[Gentry-ville (Ind) Subscriber.

# Horticultural Matters.

# CRANBERRY BOT.

According to the N J exper sta, cranberry growers sometimes meet with difficulty in the shape of berries rotting on the vine in whole areas at a time when other and neighboring areas are producing an abundance of whole and healthy fruit. Analysis of samples of the soil of bogs producing healthy and unhealthy fruit and of the vines and fruit showed that the bogs on which the herries rotted contained less clay and slit (and Iron and alumina) and and slit (and from and alumina) and more nitrogen than those which produced sound berries. The vines which produced rotten fruit contained less phosphoric acid and potash than those which bore good fruit. The analysis of the rotten fruit also indicated that potash and phosphoric acid and, to a matter of the contained that the containe

potash and phosphoric acid and, to a smaller degree, lime are essential to a healthy growth of the cranberry.

It has been suggested that in view of these results, together with the good effects from the addition of clay to many bogs, which contributes to both their mechanical and chemical improvement that in the case of rotter hogs. ment, that in the case of rotten bogs a liberal application of phosphoric acid and potash might, in part at least, cor-rect the deficiencies which are shown to rect the deficiencies which are shown to exist in the soils and vines from bogs producing rotten fruit, the phosphoric acid to be drawn preferably from nat-ural guanes, or from basic slag phos-phate and the potash to be in the form of . sulphate.

Profusi Blooming Oxalis—These bulbs can be made to bloom for 6 mos if properly cared for. Pot in rich soil and give much more water than is usually given them. Once a month all winter give liquid fertilizer or dig hone real into the soil. Plants which have stopped hudding can be started again, by proper feeding and watering.—[Mrs H. M. W., Ill.

Rapid Grading of Apples-T quickest way to grade apples is to measure how much smaller in circumincasure how much smaller in circular ference they are than the given size by holding them in the hand as described below. It is quicker than any method of calipers or rings that I have seen. Pick out an apple of the smallest size that is to be packed in a given grade. Hold it by its stem end in the est size that is to be packed in a given grade. Hold it by its stem end in the left hand and grasp it around the middle with the right. Then note carefully with your eye the distance between the end of your finger and your thumb.

— distance is your gauge. When you pick up an apple that looks too small, grasp it as above shown and judge in a moment. A few trials will get the exact size so fixed in the mind that the application of the test will become less frequent as grading progresses and perhaps finally cease entirely.—IM. G. Kains.

Cucumbers are a crop that require successfully. They should be planted on good, warm, sandy soll with a southon good, warm, sandy soll, with a south-ern exposure and should be planted in roux, not hills. When planted in hills the rects are bunched up too much, but when planted in drills they spread over the whole area and are better nour-ished and more easily cultivated, near-ly all of the work being done with the house cultivator or wheel hoe. Cultiva-tion should begin as soon as young plants appear above ground, and con-tinue as long as possible without inter-fering with the vines. There are no in-sect pens or diseases to trouble them as yet here.—[C. E. Flint, Whatcomb Co. Wash.

e Cauliflower requires a moist citmate, although we succeed with it is In in an unfavorable climate. It may be rained by forcing or raining in the open ground. For forcing, put the seed in ground. For forcing, put the seed in hotheds, early in March, and transplant when 2 in high, with temperature of about 50 or 50 degrees E, retaining uniform temperature at night by covering. Keep constantly moist and spade in hot middays. Cultivate the crop thoroughly and it should be ready in about 2 mos. Open ground culture requires a coller frame to barden plants for transplanting. When: the ground is warm enough, set plants 22% it spart. After all cultivation is done, bill with cultivator in the 3 ft row to cover the resident and heep mosture for a greater length.

of time, as dry weather is a serious drawback in midsummer. Without culdrawback in midsummer. Without cul-tivation the plant will not come to per-fection. While dampness is essential, fection. rection. While dampness is essential, too much water is also detrimental. The ground selec' d for planting should be fertile and win drained. American grown sized is preferable to the imported.—[W. S. Fultz.

Celery Leaf Blight prevails more generally during a wet than a dry season, especially when heavy rains are followed by extremely hot days. With followed by extremely hot days. With conditions favorable, it quickly spreads from plant to plant until the crop is ruined. White Plume and Glant Passeai are less subject to attacks of blight than other varieties. The disease art appears as small rusty spots on the foliage: this should at once be removed and burned. Spraying with a very weak solution bord-aux mixture abould be begun at once, spraying each wack at first. After two applications, a liberal watering with liquid manures should cause plants to make a healthy start. Some use a spray of sulphate of should cause plants to make a healthy start. Some use a spray of sulphate of copper instead of bordeaux, 1 os sulphate to a large pall of water.—[E. Elliott.

Peach Leaf Curl may be prevented with an ease, certainty and cheapmess with an ease, certainty and energiess rarely attained in the treatment of any serious disease of plants, and there is no longer a necessity for the losses annually sustained from it in the U.S. says bulletin No 20, by the pathologist of the U.S. dep't of agri.

Placing Rocks Around Fruit Trees -Mulching fruit trees of all kinds is enericial. The object of the mulch is beneficial. The object of the mulch is to keep the ground above the roots cool and moist. There is much work in placing a mulch of grass, leaves, manure or loose soil about trees and replacing it when required. As good results will follow if stones are piled around the trunk of the tree, not coming within 1 ft of the trunk, and extending from 2 to 4 ft in each direction. Stones will keep the ground cool and moist and will not harbor injurious insects and pests.—[J. L. Irwin, Nemaha Co, Kan.

For an Early Melon-The S D exper sta planted 125 varieties muskexper sta planted 128 varieties muskmelons and 154 of watermelons last
year. Good, ordinary cultivation was
given and no fertilizers were applied.
Planted May 24 killing freets occurred
Sept 16. American varieties of muskmelons as a class yielded a large crop
and none of the 100 imported varieties
equalled them in carliness or productiveness. The first fruit was picked
Aug 15 and several varieties did not
ripen fruit at all which leads the station officials to believe earlier maturing
varieties are needed. The station will
save seed from the earliest melons of varieties are needed. The station will save seed from the earliest meions of the earliest ripening varieties and see if it can get a meion that will ripen several days earlier. If started under glass, there is no difficulty in getting a good

Keep Cool in the house by opening the deers and windows at night and keeping them clesed during the day.

Fine apple orchards consist of 7,646,690 trees in hearing and 2,255,660 not in hearing. The average per cent of crop, from 34 reports from 34 countles, show 54 per cent of an average crop. Orchards of tried varieties that have been properly cultivated will this year pay a good profit to their owners in every county of the state. All our people need is a better knowledge of what to plant and then grit enough to plant R and properly care for it.—Ifee'y W. H. Barnes, Kan Hort'l Soc.

It is estimated that nearly 700 car-loads of praches will be alipped from Del this year. Shipments of early va-rielles have already begun.

riction have already begun.
Self-sterility of the variety probably explains the failure of many vineyards or blocks of grapes to bear perfect crops. Many grapes are an incapable of producing fruit from their own polen as are pistillate atrawherrier; and they require an polleniners not only varieties which bloom at the same-time, but varieties which are themselves atroughy self-fertile.

The earliest native pass placed on the hesion. Mass. market brought the grower \$8.50 p but; they were the Ramesian chapter.

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THE HOME CIRCLE

SIGNS OF YOUTH.

(x "

[Written for Farm and Home.]
If you are easily surprised,
And your emotions oft unstrung,
If life's bran dolls are highly prised,
And good advice seems ill-ndvised,
You're very, very young.

If you believe yourself less blest
Than those you find yourself among;
If rushing better seems than rest.
And wild excitement always best.
You're young—you're very young.

If you seem wholly good or had,
Or feel you should be crowned—or hung.
Or think that you can long be sad.
Or fancy you can long be slad.
You're young, poor child, you're young.
E. W.

#### JENNIE.

[Writter for Farm and Home.] It Jennie you called me " the faded

dend, And a woman named Jane lives to-day in her stead." "Jennie!" Jennie!" "Ah! Jennie was happy in days long gone

I've seen her go danch' wi light in her To-day Jane is weary and life is a sigh."
"Jennie!"

The day has been long and the sunset is late.

My heart nobes with longing: 1 scarcely can wait

To hear mother whisper at heaven's bright gate. "Jennie! Jennie!"

The farmer gazed 'ong on a white, placid For face, he gende fingers brought back girthood's grace.
And a whispered word went like a sob through the place.
"could! Jeunie!"
"MRS BARTLETT FOX.

## A VEGETABLE COURTSHIP.

A potato went out on a mash and sought an onion bed.

"hat's pie for me," observed the squash. And all the beets turned red.
"Go away." the onion, weeping, cried.
"Tour love I cannot be,
" pumpiki is your lawful bride,
I u cantaloupe with me,"

But onward still the tuber came
And lay down at her feet.
"You cauliflower by any name
And it will smell as sweet.
And I, too, am an Early Roso
And vou I've come to see.
So don't turn up your lovely nose.
But splingth at with me."
Mus D. W. Cutchin.

### MY WORLD.

[Written for Farm and Home.] A little for within the cup of life.
A little home, a sweetheart and a wife.
A love of truth, and hope for all mankind
This is enough to nerve the arm for strife.
CLARENCE HAWKES.

# THE TWO VILLAGES.

Over the river, on the hill.
Lieth a village white and still;
All around it the forest trees.
Whisper and shiver in the breeze.
Over it sailing shadows go
Of soaring hawk and servaming crow.
And mountain grasses low and sweet.
Graw in the middle of the street.

Over the river, under the hill.
Another village lieth still.
There I see in the cloudy night
Twinkling stars of household light;
Firm that gleam from the amithy's doorMists that curl on the river shore;
And in the roads no grasses grow
Per the wheels that hasten to and fro.

In that village on the hill
Never is mound of smith; or mill:
The houses are thatched with grass flowers.
Never a clock to toll the house.
The marble doors are always shut—
You cannot easier hall or hut.
All the villagers lie asleep.
Never again to now or reap.
Never in dreams to mean or sigh—
Whom and idle and low they lie.

Hight and left arm sow ency.

In that village under the hill,
When the night is starty and still,
When the night is starty and still,
Wany a weary soul in stayer
Looks to the other village there.
And weeping and sighted, longing to go
I've that home from this below—
Looks to sleep in the forest wild.

I've the two vanished wife and child:
While the varies, this answer fall:
Tationed That village shall hold you all.

Tationed That village shall hold you all.

# When the Line Went Through

Written for Farm and Home by
Mariana M. Tallman.

T WAS a very little red house, under
a huge elm. It struck imaginative passers much like a little tondstool unfurled at the tree's foot. Still there were a half-dozen snug rooms in it, the kitchen ceiling so low that it

gave a fictitious hight to the two little old ladies bobbing about in it, washing up the few tea plates and cups and saucers of ancient blue. They performed this work in silence and sadness, for they had heard bad news from formed this work in silence and sauness, for they had heard bad news from a neighbor who had hurried in and had just now gone. The long-talked of electric line was coming at last, by their very doors, over the peaceful two-century-old turnpike, whirring past the family burying ground and clattering on its frightful way over the miles of dusty highway that had known no other mode of transportation than the venerable stage coach, that had taken their grandparents from South to North Oldtown on their wedding day. It was too bad—too bad!

"Poor Malty—I expect it'll catch her first and foremost," mourned Miss Lydis, sadly contemplating the cat, doving on the window sill. "And the hens,—'twill come hard to shut the poor things up. Oh, it seems as if I couldn't have it so. Could we, do you suppose—forbid it? no," said Miss Rebecca grimly, "No, we can't forbid it, but we may prevent it,—to some extent."

"Forbid it? no," said Miss Rebecca grimly. "No, we can't forbid it, but we may prevent it,—to some extent." "Why—why, Rebecca!" gasped the meeker sister. "You wouldn't never think of such a thing as throwing the cars off the track and putting human lives in peril?"
"There's more ways than one," replied the sister, as she shook out her dishtowel as viclously as though it were a railway stockholder.

A few mornings later the two, looking from their windows, spied a long, huge wagon drawn by powerfu gray horses slowly advancing along the road in the October sunshine, pausing at intervals to let an aggressively new and shining tail pole fall with a ponderous thud among the tangled wayside vines. "Oh, dear, it's coming as sure as fate!" groaned Miss Lydia. But Miss Rebecca said never a word.

said the wires one morning. The sisters looked at each other aghast. The cat fied wildly over the fence. The hens took gracefully to their heels. In splendid state, a select company on board, with flags flying, the great juggernaut sped by, and the hum grew faint and dled again. The line was formally opened.

faint and dled again. The line was formally opened.

It was a pity to lose the sunshine, but of course, the blinds had to be severely closed now—Once an hour the cars went by. Once an hour the hens were gathered to the fold, once an hour the cars went by the fold, once an hour the cat was borne to indoor confinement. It was a new thing to have time measured off in this fashlon. Miss Rebecca never alluded to the trolley line, but Miss Lydla found a pleasurable and fearful excitement in stealing upstairs and peoping at the innovation. She wrinkled up her little face and squinted her eyes in vain efforts to recognize possible patronizing neighbors, and once fairly forgot herself as she hurried down stairs and announced breathlessly. "Relecce, Rebecca, old Mis' Ballon was on board with a big valise. Where do you s'post'she could a-been going?" If Miss Rebecca felt a fleeting interest, it was well concessed under the withering look of scorn she cast on her frail sister. But Miss Lydia grew bold, and soon openly sat peeping through the lower blind, venturing now and then to say, "Fifteen on board this norming. That's more than common way up here." It was something that her sister did not openly rebuke her.

A few weeks later, as the two old laly rebuke her.

ly rebuke her.

A few weeks later, as the two old laddes sat peace ally resting after their morning's work, an astenishing thing happened. Right at their door paused the juggernant, and forth from it poured a narty of young, rosy-faced girls, storming the gateway and venturing boldly up to the door, while one of them with a confident hand tapped on the panel. Miss Rebecca sailed to it with stately dignity, and peered with shortsighted eyes.

"Don't you know me. Miss Rebecca?"

with stately dignity, and pecied with shortsighted eyes.

"Don't you know me, Miss Rebecca?" queried a blithe voice. "I'm Carrie Graham, your Eliza Graham's little girl, don't you know. It's years since I've seen you and of course you've forgotten me, but you look just the same as ever, you dear old thing."—and she dropped a quick kiss on the withered cheek. "And what do you suppose we want? We're all going over to the Red Rock woods for huckleberries and we want you to come with us. Mother said be sure and bring home all the news about you and Miss Lydia—oh, there she is. Come out, Miss Lydia, and be introduced. Just get your sunbonnets, and haskets,—we've got lunch and everything. Oh, what a lovely cat!"

cheek. "And what do you suppose we come coming as sure as fatte." groaned Miss Lydia. But Miss Rebecca said never a word.

Close following the posts came the post-diggers. The noise of their spades striking stone and sand seemed to the sisters like that of sextons digging graves. They dreaded changes, perhaps because such as had come to them had not been happy ones,—sickness, loss and death. After the diggers came the post-setters. Away down the straight, pine-bordered turnpike they could see the marching line of while poles get ome by one into rank and come bearing down upon them like toosering glams." Must be allowed the section of their income and the section of their income and the section to their income and the section of the

Saries. She ain't had company, goodness knows when. She ain't seen none of us girls for more'n a dozen years, and it's come to our cars how had she feels about it. We're going to give her one good time if there's such a thing in the hook. Ain't it a mercy you're hoth spry and all ready to go right along, too? Mercy, how afraid we was something might happen to prevent, after taking such pains to get together! We'll finish the dishes while you and Lyddy gets into your things."

Miss Riebecca's face was very red; her mouth opened for protest, but Miss Parmalee's compelling hand was gently urging her along, while a second advocate artfully remarked. "The doctor don't hold out no great hope of Hannah Sarles seeing another summer." Now Hannah Sarles had been Miss Rebecca's dearest school friend.

To palpitating little Miss Lydia it seemed like a delicious dream that they should all find themselves presently boarding the huge car that drew gently up before the gate. "We all set facin' forrard, sam's a train," announced Miss Parmatee, complacently leading the way. "Now, we'll go like the wind, licbecca Merrill, and if you don't say it's handsome seenery!"

And before Miss Rebecca felt the sudden realizing sense of the enormity of the concession, they were off. So new was the way, so dream-like the motion of the huge, swill conveyance, so glad the joy shining in the faces of the happy old ladies, so sweet the prospective meeting and surprise, it could be nothing but a good time. No jar or mishap came to mar the long, happy hours that followed. It was only when we'll on the honeward way that the tray edy began. Far in the distance could be descried the huge guarding clm's outlines over the little red house, down the straight road.

"I do hope them hens have not succeeded in "reaking out," observed Miss Rebecca anxiously, craning her neek for a better view. "Oh, good land of liberty, Lydia Merrill, there they all be this very minute, settin' square on the track as peaceful—Oh, driver, driver!" And she beckoned frantically

indies. If I see your hens ahead any time I'll shoo 'em off. I've never killed a hen yet."

It was about two mornings after this that Miss Rebecca came suddenly upon Miss Lydia as she walked among the late sweet blooming flowers. Miss Lydia was stealing around the corner of the house with something concealed under her apron. "What have you there. Lyddy?" sternly demanded the elder sister, as she paused with a long stalk of her last pet heliotrope, a belated lingerer, in her own hand.

"Only these flowers." faltered Lydia, displaying a huge brilliant bouguet. "The frost'll take 'em now most any time, and I thought I'd set 'em out by the gate in a pitcher, the way many does along the road. The drivers like to stop and get 'em and they've all heen clever to us about our hens and things. Twouldn't be any real harm, would it?" she faitered, and looked appealingly up to her sister's severe countenance. Far down the straight road came the troiley clang, and the hutly figure of the hens' special benefactor could be seen at the helm.

"N-no, I don' known 'twould," suddenly conceded Miss Rebecca, almost as much to her own astonishment as Miss Lydia's, "And here—take these posies, too, while you're about it. They might's well be awest smelly." And she thrust among the nongay her own preclous heliotrope branch and retreated around the corner, leaving Miss Lydia to bear the brust of the posses offering.



Fair Peddlers—Remunerative novelies at a recent fair were Miss Priscilla Prim. Madame Rossetti and Mr Smiles, who in appropriate and attractive costumes mingled with the crowd and readily disposed of their useful articles. Miss Prim, as a Puritan maiden, carried a variety of handkerchiefs attractively displayed on a tray suspended from her neck by a ribbon. Madame Rossetti, dressed in the picturesque costume of an Italian peddler, carried on one trip bundles from the various tables, and at another a tray of tempting fruit. Mr Smiles as a London dude, with cane and eyeglass, created much sport and at the same time found ready purchasers of the handsome necktles carried in the same manner as were the wares of Miss Prim and Madame Rossetti. In this way, articles that might have been left over were brought to the attention of all, the result being that not a necktle, handkerchief or bundle remained unsold at the close of the fair. IH M. R.

mother knows what the hot summer brings in small ailments not big enough for a doctor's advice, but sore enough to wring tears of real pain from childish eyes. For many of these hot-day aches, there is nothing like homely medicines. The terribly inflamed mosquito or wasp bite will cool and the swelling subside when bathed for long patient minutes with cold water in which a teaspoonful of baking soda'has been dissolved. The small boy with his tender body burned from bathing under the hot sun will never forget the relief he feels when his mother 'Graps about him bandages wet in feezcold buttermilk. I'll bet the mother of Whittier's barefoot boy drew pain out of wounds in the hardened soles by plasters of raw salt pork. It isn't an elegant poultice, but it has a certain efficacy which sucks poison from a nasty wound and helps a sore throat. Sometimes prickly heat brings grown folks as well as children, to the verge of craziness. At the first appearance of this summer scourge, sponge the body in a dilution of salt water and alcohol, having first added a handful of salt to the water. Keep this mixture on hand and tightly corked all summer, it takes the pain out of a tired, lame hack as well as the fever from prickly heat. For the dreaded cramps, het ginger tea with a half teaspoonful of baking soda gives quick reief.—[1, 5].

Reeping Summer Boarders—It must be borne in mind that people no into the borne in mind that people no into the country for health and recreation. In the first place, the house must be well situated, the present the attitude, the better. Drainage should be perfect, and outbuildings not too near. There must be shady moke for hammecks. Sleeping rooms should be clean and comfortable. Mattings with rugs make the best floor everings. Use mustlin or cheese-cloth for curtains and provide screens. Have good mattresses, springs, piculy of pillow-cases, sheets, towels and blankets. Before the arrival of y ur guests, all water pitchers and have soap and towels in place. If you can spaire two parlors, leave one of them uncarpeted and use rugs that may be removed for dancing on games on rainy days. Foint out places of interest. Take your guests for a drive occasionally. He thoughtful of their pleasure as well as their comfort. A daily rail is an absolute necessity. The dining room should be cool, with windows and deors well screened. City people want wholesome and well-prepared food served attractively, especially milk, cream, eggs fruit and vegetables. Fresh meat must be served at dinner, but the peutry yard will furnish some of that. Do not serve the same kind of meat two days in succession. Utilize left-overs. Cold meats can be made into croquetter or jest ties for tes, also some kinds of fish Nearly all cold vegetables make good.

saiad, the others may be used in soup. Always serve the dinner in three-courses with soup for the first. For desserts, jellies and light puddings with whipped cream are better than pie or heavy puddings. Fresh fruit should be provided in abundance. Ice cream and sherbets are enjoyed. Serve cereals for breakfast. Steaks or chops are not always necessary. Eggs, chipped beef in cream, creamed codfish or broiled fish give variety. See that the coffee does not stand after making, and is strong. Serve cream with cereals and coffee, even if you must cut dour the butcher's bill. Above all, do not ring the breakfast bell too early. Most city people do not care to breakfast before No-clock. Occasionally, serve supper on the plazza or under the trees Sandwiches, coffee, ice cream and cake make a dainty ten served in this way. Avoid monotony in every way if you would please your guests. Employ plenty of help, see that nothing is wasted, take a little time to mingle with your guests, study their likes and dislikes, and place your price for board high enough to cover all expenses and leave a little margin.—[A. B. W.

Labeling Cans—Laughable and ofttimes humiliating blunders are made by the bousewife because of the similarity or the misplacing of the cans in which she keeps seasoning, spices, etc. This sort of thing is easily avoided. Give the cans a coat of japan varnish and with a small brush and light colored paint, print the name of what the can is to hold. This can be read at a glance, and it will not be necessary to open and taste of a half-dozen cans whenever you go to the shelf for anything. Labeling cans will save much in temper as well as flour.—[Maud Steinway.

Picking Sage—Gather the largest leaves only, pick when entirely free from damp, and dry in the shade. If none of the small leaves are picked, the sage bunches will soon be ready to pick again. Treated thus, sage is of extra strength, worth twice as much as when carelessly picked and dried in the sun. Keep all blooms picked off and cultivate and enrich around the roots. Do not cultivate deeply. All herb leaves should be gathered and dried in the same way, and the blooms kept picked in order to preserve their full strength.—H2. C.

Crimped Hair, which was so fashlonable a few years ago for children, is
now seldom seen, and little girls are not
made uncomfertable during their sleeping hours by the tight, close braids
that were necessary for this style of
hair dressing. A-peetly way for little
ones is to part the hair in the middle
for girls, and a trille at the side for
beys, then cut it to just reach the
shoulders and curl the ends. Comb with
a coarse comb, and the curls will look
funfly and natural, and form an artistic
framing for the face. To make the
curls, divide the hair into two parts and
roll only a few inches at the end on soft
fannel, which will not burt the child's
head. The hair should be washed frequently with eastile somp and warm
water and occasionally a little giverin
should be rudged on the scalp.—[D.
R. S.

Keep Children out of the sun. It is wasting breath, the constant command to children to keep out of the sun. While they are at play they don't know sun from shadow, and yet a doctor will tell you half the hot weather nilments of children are caused by the sun beating on their unprotected heads. Instead of scolding, find the coolest shadlest corner about the farm and convert it into a playhouse for the youngsters. I saw an ideal spot of this sort the other day. There were half a dozen thick plue trees in a county and healed them ran a fascinating brook just deep enough to cool little ankles. Early in the summer, the father of the restive half-dozen apent one day there, alded

by a carpenter, and the children have lived nearly every day there since. About eight feet up one straight limb a ladder leads to a platform, with cunning rustic seats and a low table. Below are swings, a comfortable hammock, a sand box and a delightful carpet of pine needles. At one side where the afternoon sun would send in rays hot as Tophet, is a funny little playhouse, as large as a good-sized hencoop, and behind it a screen of rustic latticework literally embowered with the quick growing Japanese hop. The playhouse beneath the vines belongs to the little girls, the cyrle in the trees to the boys. Generally in the afternoon, you will find the mother there with her sewing. Pine trees and a brook are not available on every farm with reset of the house, but it is impossible not to find a shady corner somewhere, a place the children will consider their own and where they will play contentedly in the shade.—[I. G. C.

Dutch Cheese Profitable—In 1896 my husband and I found ourselves on a farm of 75 acres, three miles from a thriving little village. We kept six cows and had a quantity of milk left after feeding the pigs. One day I announced that I was going to try making Dutch or cottage cheese and selling it. My father laughed at me and my husband said he would be ashamed to offer skimmlik for sale. But I was determined, so made two pounds April 4 and my husband sold it for me. The manufacture and sales were kept up until the latter part of September and brought in between \$18 and \$20. Sometimes my husband sold it for me, but often I marketed it myself. Perhaps you would like to know how I put it up. After I had a nice curd, I added sait, butter and a little cream, worked it thoroughly, then shaped it into halfpound balls. These were cooled, carefully packed and sold for 5c aplece, or 10c a pound. I am sure there is a chance for many farmers' daughters and wives to do the same, where they live near enough to a city or village to make it practicable.—[G. L. Carrigan.

A Quiet Game—Here is a nice quiet little game that usually captivates all the young folks. For the girls: Write on bits of cardboard such words as truth, a smiling face, a new gown, a carriage, a plano, a wheel, a story book, a typewriter, a nice hat, gold, an automobile, a necklace, a library, and so on; for the boys: A horse, a new suit, a farm, sliver, a yacht, a team, a mine, a railroad, a new house, an incubator, a thousand dollars, etc. Turn down the cards and each girl selects one from her collection, each boy draws from his collection. When all have drawn they talk of the advantages that will accrue to him or her as the result of the choice, what they will make, or pursue, or give, etc., supposing the card represents the object itself.—[Breadwinner.

A Bathroom might be fitted up for summer by taking one of those small chambers—common to farmhouses, which are often used only for the storting away of things for which there is ample room in the attic, and whoknows but that the family would find it so convenient that when cold weather came a stove would be moved in. In which a tire might be kept one day in the week. If not oftener, so that the whole family might be able to take a bath? It might take a few extra cords of wood, which is wasting in the woods, or an extra ton of coal. We can buy the largest washtub to be had, a footub and a good-sized baby's or children's bath if need he. These, with wash lawl and pitcher, a tin pall for carrying water (tin is not heavy like wooden palls), sponges, soap and towels, will be all that will cost much, unless it be a small sink with spout and ripe to carry off the waste water, which can be easily arranged by a man of the family. Each one will doubtiess be obliged to bring from the kitchen hot and cold water, as it would not be possible to build a cistern or bring running water into the room at small expense, but that might be added later. An oil stove or lamp would be convenient to have in the room for summer use, and a kettle of hot water might be kept on the stove in the other chambers, it might pay Jo keep the slove running all the time and use it for a general dressing reces. The recea may

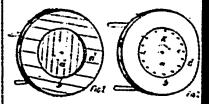
be carpeted or plain, with a piece of oilcloth under the large tub, and wash stand, table, chairs, etc, can be brought from the attic.—[Alice E. Pinney.

Hot Weather Helps—One who has to work in the hot sun should put several large green leaves in the crown of the hat, changing them at noon. A fer years ago I lived where the mercury sometimes reached 110 degrees, and had been even known to rise to 118 degrees. Water was hard to get, and ice impossible. I learned to keep drinking water cool for the field in this way. As soon as you pump the water into the jug or pail, wrap several thicknesses of cloth about it (including cover), fasten and wet throughly. St in a shady place, and keep the cloth wrappings wet. Instead of lounges is the dining room for the men to lie of during the noon hour, put hammock under the trees or in the porch. Hammocks even in the house would be much cooler than lounges. Get things a nearly ready for breakfast as you can the evening before. Then while you are getting breakfast, you can bake p'es cake or custard and not have extra fir. I do not make many pies and cake when there is plenty of fruit. Freel fruit is more healthful. By the war always gather fruit and vegetables is the evening or the cool of the morning The cooler the housewife can keep th less fatigued will she be. Wetting the head in cold water occasionally helps. IR. J. M.

Outdoor Work—When we went on

Outdoor Work—When we went on a farm our riches consisted of a sweet little daughter, youth, health and experience, making it necessary that all or resources be used to the best advantage. We kept six cows, a horse, pigs and fowls, and raised early vegetables and berries. All that summer I did a boy's work, leading horse to cultivator, etc. picking vegetables and berries, riding rake and making out loads in haying time, weeding onlong, etc. besides taking care of chickens and making butter for village customers. We were very happy and prosperous, the outside exercise giving me healthful sleep with no thought of nerves. A dear old aum looked after baby in return for service rendered her. I had no help in the house, aside from an occasional churning on a rainy day, emptying of wash tubs when "the man" was at hand an bringing in wood. But we were no content to let well enough alone, so the next year a boy was hired, and I took boarders, presumably more womanly but the care and worry completely broke down my health. We spent more in doctor's bills that winter than all meanings amounted to, and it was several years before I called myself we again. I learned my lesson,—that is one farmer's wife, at least, light out door work was no hardship, but a help both to purse and health.—[R. F. W.

Revolving Dining Table—Fig shows the table without the central a turning portion, a being a grooved ch cle in which 18 small marbles are place



(all the same size) on which the cents A. (Fig. 2) revolves. A is grooved the dotted circle a on the under sis A small bolt is in the center to hold steady. Fig. 1 is made of inch lumbs lop of table beling two inches this when completed. In Fig. 2, A is mad of two thicknesses of half-inch lumb placed crosswire. The bolt in the ceter is put through the first thicknesses in the first thicknesses in the first thicknesses are indicated by a which A is turned. Fig. 2 shows the complete. The portion, a, is 15 inch wide.—[W. A. Sharp, W. V.

Frittered Cucumbers—Pare and grathe cucumbers, add to them the beat yolks of 3 eggs, level teaspoon salt saltspoon pepper, and fleur enough make a stiff better. Just before fry fold in the whites of the eggs, wheaten, but do not sitr the batter at they are added. Fry in butter a serve het.—[L. M. A.

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has to leveral of the L few ercur id had e iminking luding cloth ges la mock Han mud

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A View of "The Beeches."

# Young America. The Beeches.

A TRUE STORY OF A DOLY TOUBE, WRITTEN FOR FARM AND HOME BY GERTRUDE OKIE

ARGARET and Edith Gaston are two little girls who live at their grandmother's in the country. They have no playmates of their own age except on Sundays, when three cousins come a long drive of 10 miles to spend the day at grandma's. As Margaret and Edith are too young to go to school, their mother teaches them each morning, and after the daily "study hour" plans some amusement to make them happy and contented; she teaches them to love plants and flowers by noticing the little ferns and vines and weeds, and to think that nothing God has made is beneath their notice, or to be despised.

or to be despised.

One day in early apringtime, Mrs faston told her two daughters about an outdoor play which used to give her and a little neighbor endless pleasure and a little neighbor endless pleasure throughout an entire summer and lasted until they were real "big" girls. She said that they should play it, too, and she would help them. The children were delighted and begged her to begin at once. True to her word, the following day Mrs Gaston began making a little house out of a plain wooden starch box. No inside decoration was attempted, all her energy being expended on the outside. After three or four mornings' work, an attractive, "old colonial" house, in miniature, was the result.

mornings' work, an attractive, 'old colonial' house, in miniature, was the result.

The five small windows were suppiled with tiny curtains, of narrow
hamburg edging, which were tacked
on before the panes of glass were fited into place from the outside. The
front door was made to open and shut
by using brass hinges from cigar box
ilda, and though the inside of the house
was quite devold of contents, the attraction of opening and shutting the
door was endless. The house was painted yellow, and while still wet dashed
with sand, representing stucce, or pebble-dash. The caves and trimmings
were white, and a square portice was
placed at one end. The roof was dull
green, and the chimneys and dormer
windows were fastened on securely
with putty, which is not affected by
the weather, and a few days.

Now the little house was finished,
there was nothing more to be done but
to talk over plans for the grounds, and
to walt for the real spring days to come
when all hands interested might begin
operations outdoors.

Thost one in a few days.

Tooltunately, spring was very late
and Edith, who was a dear, foolish
little girl, not much given to patience
said to her mether one day. "I think
God must have forgotten to send spring
to grandma's. I suppose 'cause there
are so many places to see to." But Margaret while not much older, was much
wiser, and in her own qualin way quite
a deep thinker, replied sagely. "Oh, no.
Edith, God doesn't forget, is just positioned.
Bout the grounds cleak with the spade. Then nurse did the digging.

Tracture a shand and a foot; even
the guite develd of contents, the
tit, or rather a hand and a foot; even
the guite develd of contents, the
tit, or rather a hand and a foot; even
the guite develd of contents, the
tit, or rather a hand and a foot; even
the guite develd of contents, the
tit, or rather a hand and a foot; even
the center of the lawn, and the can the
center of the lawn, and the can the
extent of the center of the lawn, and the grounds and the center of the lawn, and the center

mamma, who was as eager for the fun as the children, halled the first warm, sunshing day with delight, and started to the nearby woods with two baskets.

to the nearby woods with two baskets, two trowels and two daughters, hanging on her arms.

They found many tiny trees, but as the leaves had not yet put out, Mrs Gaston was obliged to croose the kinds which seemed best suited for the little country seat by looking at the bark. Wild cherry, beech and cedar trees were at last decided upon, because the two former had the smallestleaves when full grown, and the last "Because," as Edith said, "they look so like the big evergreens on grandma's 'lorn.' "Twenty or more were secured, then it was time to go home, choose the site, and plant the trees.

greens on grandma's 'lorn.'" Twenty or more were secured, then it was time to go home, choose the site, and plant the trees.

As they were slowly climbing the hill which led thence the shortest way Margaret said, "We ought to give it a real name, mamma, just like grandma's place." Mrs Gaston entered into the plan at once, and suggested name after name, none of which seemed to suit Margaret. Then happening to look into the basket in her hand, a happy thought came to her, and she said, "Let's call it the Beeches."

They were so tired and hungry that they could do nothing more, so they put the trees in water to keep fresh until after lunch, when all, mamma. Margaret, Edith, nurse, Constance, and even dear grandma herself, went out to help. A nice location was chosen, not too sunny for the children to be able to play there through the hot summer days, and yet sunny enough to make the wood, flowers and vines and tiny shrubs, grow. Mrs Gaston marked out the grounds, eight feet long by about five feet wide, by drawing a line with the spade. Then nurse did the digging, or most of it, because her foot was largest, and her shoe strongest, though all, excepting grandma, had a hand at it, or rather a hand and a foot; even Baby Constance took her turn.

They dug down a foot deep, and raked the ground as smooth and fine as if for a flower-bed. Margaret ran upstairs for the little house, and it was placed about the center of the lawn, and the trees were planted in clumps, wherever they looked best. Then everybody, except Mrs Gaston, who called herself the "mason," hunled small stones, which they brought to her, and she outlined the place with them, partly sinking each one in a hole to keep it steady. At the front and side, she left an opening 10 inches wide, and placed higher, squarer stones to mark the entrance and exit to the driveway. By the time the stone wall was finished, they were heartly, healthfully, tired out, and almost glad to leave their work until another day.

To Margaret's and Edith's great disappointment, how

Americans? It's a fine game, but no one thinks so till they have tried it. I would like Miss D. M. Scott for a sister and hope Old Mald will change her mind before long concerning boys. Come again, Wild Girl of the West.— [Robin Hood.

Girl Bachelor-Don't be afraid of me, for although I graduated with the degree of bachelor of relence from col-lege, I do not belong to the old bach-elors and would not for anything. Would you, California Boy? California Would you, California Boy? California Foy, your letter brought to mind a certain other California boy whom I had almost forgotten. His letters, so full of romance, adventure and praises of dear old California, made me almost wish I could live there too. We take F & H, and although we don't live on a ferm, we all enjoy reading it very much. I always spend my vacation in the country and return to the city in the fall, only to think of the good times past, and eagerly anticipate their return. But, oh, how dreary must the country be in winter. I know I should die of ennul. I am learning stenography and like it better than school teaching or anything else. Why do not some of the boys and girls give their teaching or anything else. Why do not some of the boys and girls give their full names and addresses—[Eleanore Lunam (Seventeen), St Charles,

A Nice Home-As I have never seen any letters from Canon City. I will try my luck in writing. I live about one mile from the mouth of the Royal gorge, which is a grand sight, and we have a beautiful town of about 7000 inhave a beautiful town of about 400 in-habitants. We also have the state pen-itentiary here and about 600 people wear the striped clothes. There is only one woman left. My father has a gro-cery store. There are three large schools in one district; they are named after three presidents, Lincoln, Wash-

ington and Jefferson. We live across from the Washington school. It has the high school. My sister graduated this year.—[Bessie Dickinson (Eleven), Colorado.

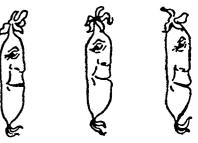
### QUICK CHANGE.

[Written for Farm and Home.]



The peas all grow in a long, straight row; And red pea-shooters were "ripe," you

And Neddy and Freddy Each had one ready: The pens looked so!



Close by some tough eld squash vines grow;
And two small bors will not go slow.
Ka-spat! Ka-spat!
They both fell flat.
The peas looked so!
GLADYS HTATT.



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# WITH WOMANKIND

# SEVERAL PRESERVES

Quinces: Pare and core, carefully remove defective parts, cut into quarters or round slices. Put in a preserving kettle, add a little water, cover with a

kettle, add a little water, cover with a plate or tight cover to keep steam in, and boil until tender. Take out fruit, to every pound of julce add 1 lb sugar and boil 10 minutes, skimming well. Add quinces, boil ½ hour and pack in glass jars, pouring syrup over. Scal or close with waxed paper.

Peaches: Take large, ripe peaches, peel and quarter, crack stones and remove kernels. Weigh peaches and to each pound add 1 lb sugar, also kernels, and let stand in an earthen dish 24 hours. Put all into a preserving kettle and boil until soft, skimming carefully. No water need be added, as there will be sufficient juice in the bottom of the dish. Seal.

the dish. Seal.
Crabapples: Wash fruit, put in a ket-Crabappies: Wash fruit, put in a kettle over the fire and cover closely. Let simmer until the apples turn yellow, take out and turn into a large dish to cool. Pare and core. Put fresh grape leaves in the bottom of kettle, add apples and cook until tender, but do not let them boll. Weigh when cooked and to each pound of fruit allow 1 lb sugar. Place sugar in kettle, add just enough water to dissolve it, when melted place over fire, boll and skim, add fruit and boll until clear and soft. Remove to jars and pour the warm symp move to jars and pour the warm syrup over it.—[L. M. A.

### THE BENEFICENT ELDER.

Much can be said in praise of this beautiful shrub, the common American elder. Sambucus Canadensis, which lines the hedgerows and waysides in such generous profusion. There is no locality especially favorable to its growth, as it adapts itself to any place where the soil is moist. It flowers in

locality especially favorable to its growth, as it adapts itself to any place where the soil is moist. It flowers in June and July, maturing its fruit—in August and September.

The European elder, though larger, is similar in its general characteristics and properties. But our elder, like some people, is so free and generous in its gifts, we do not fully appreciate it. If we had to pay a fabulous price for one, what a prominent position on the lawn would be chosen for it. How ardently its creamy blossoms and rich purple fruit would be admired. What other plant combines so many sterling qualities, symmetry of form, beautiful flowers, edible fruit, and the most stringent medicinal virtues.

A quaint, old-fashioned physician said the always lifted his hat to an elder bush." Every part of it is said to contain healing qualities. In fact, from its starting of the tender leaf buds to the ripened fruit the elder is a veritable medicine chest. The bark and roots are useful, and obtainable at all seasons. Creams and lotions made from elder flower water have improved many poor complexions, while a warm drink made from the flowers is a mild stimulant, warding off colds and similar evis, causing soothing sleep. And perhaps the elder from the small boy in Hans Christian Andersen's Fairy Tales. The elder is not stinted of honors in Germany, as it is paid all the proper amount of respect due it there.

The expressed juice of the berries evaporated to the consistency of syrup is a waluable purgative. The flowers and juice of the berries are excellent remedles for scrofula, and eryslpelations direases. The inner green bark soaked in wine, steamed and beaten with land

is a valuable purgetive. The flowers and juice of the berries are excellent remedles for scrofula, and erysipelatous direases. The inner green bark soaked in wine, steamed and heaten with lard forms a splendid olutiment for cuts, burns, scalds, etc. Also the inner bark has been successfully used in epilepsy. Take it from branches one or two years old, scrape off the gray outer bark and steep 2 ex of it in 5 ex ed water for 45 hours. Strain and give a wineglass every 15 minutes when the fit is threatening, the patient fasting. Many other remedies can be derived from the elder, but enough has been said to give a slight estimate of its value.

The berries are edible and much liked by some, although the taste, like elives is usually acquired. They are very healthy and an excellent tonic, taken in any form. The following cordial the dear grandmother made every year:

Allow I tablespoon each of whole cloves and chinamon to each quart. Cook 20 minutes to ½ hour. Strain and add 3 lbs of sugar to 4 qts of juice. Put in a jar, dip a piece of brend in yeast, place in the liquid and allow it to ferment. Then skim off the bread, put in bottles and seal. Keep in a cool, dark place for winter use. It is excellent served hot to those who have been exposed to inclement weather, preventing severe colds or worse illness oftentimes. It is not wine, but a highly spiced cordial, making new and pure blood, and building and toning up an enfectied system. (Where yeast cakes are used instead of soft yeast, strain the cordial before scaling in bottles)

Elderberry jelly is quite an innovation, and one of which lovers of this fruit are very fond. Allow I lemon, rind and juice, to 4 qts of fruit. Make the same as other jelly. For pies, an easy and good method is this Three pounds of sugar, 7 lbs of fruit, 1 pt of vinegar, boil 30 minutes. May be kept in non-scaling jars. Some can this fruit Allow I tablespoon each of whole cloves

poinds of sugar, 7 lbs of fruit, 1 pt of vinegar, boil 30 minutes. May be kept in non-scaling Jars. Some can this fruit for ples for winter use, allowing 1 cup of sugar to a quart cun. Cook 15 to 20 minutes. Some put the uncooked fruit in cans, fill to overflowing with molasses, and scal. They will keep well, and it is a very simple method for those who like the strong flavor of molasses. Season with spice to taste either of the preparations for ples when used.—[Sarah Rodney. rah Rodney.

## UTILIZING THE PEACH.

With Apples Use ripe peaches and mellow apples in the proportion of three peaches to one apple. Chop small, place in alternate layers and sprinkle sugar and pounded ice.

Sugared: Take ripe, soft peaches, peel, split in halves and remove stones;

sugared: Take ripe. Soft peaches, peel, split in halves and remove stones; ill space with sugar, roll in sugar, put in a dish and set on ice over night. Serve very cold for breakfast.

A la Conde' Peel, cut in two and stew in clarified sugar syrup. Fill a mold with hot boiled rice, turn the form out on a dish, around which arrange the peaches, and decorate with preserved cherries or other small fruit. Mix ½ pt syrup with ½ pt marmalade, pour over and serve hot.

Pudding Rub 1 oz butter with 1 pt flour, add ½ teaspoon salt and 1 teaspoon baking powder Peel 6 large peaches, cut in balves, and take out the stones. Reat 1 egg until light, add to ½ cup milk and pour in the flour; beat well and pour in a greased pan. Lay the peaches over, stone side up, and full the hollows with sugar Rake in a quick oven, and serve hot with vanilla sauce.

sauce.

Pyramid: Cut 12 large peaches in haives, peel and take out the stones. Make a syrup, dissolve 1 oz gelatine and stir in, fill a mold half full of syrup. Let stand until set put in peaches, neutrover there syrup and when well set, turn out on a flat glass dish

Potple: Put a plain ple crust round

when well set, turn out on a flat glass dish.

Potpie: Put a plain pie crust round the edge of a jan cut up peaches, put a layer in the jan, then a layer of sugar and mutmer. Cover with crust and bake slowly 2 to 3 hours.

Butter Peel ripe peaches, put in a preserving kettle with water sufficient to boil soft, then strain through a colander, removing stones. To each quart of peach add 112 lbs sugar and boil very slowly one hour. Site often, do not let burn. Put in stone or glass jars and keep in a cool place.

Dumplings: Peel ripe to eaches, but do not remove stones. Sift 1 qt flour into a howl, and rub in 1 tablespoon lard, add 1 deaspoon salt and 2 teaspoons lashing powder; moisten with milk to make soft dough, roll out, cut in rounds, put a peach in the center of each, with a little sugar and cioammon, place on a large plate, set in a steamer over holling water for 40 minutes, and serve hot with swam sauce.

Marmaiole Peel, sone and weigh the peaches. Cook slowly (uncovered), using as little water as possible. Extract the kernels from one-fourth of the pits and cut in small pieces. Allow I lemon for every 2 lbs fruit; creefully pare off the thin yellow rind, add to the kernels, cover with cold water, and steep slowly for 15 minutes. Strain, and set the fluquer aside. Rub the fruit; through a fine strainer, add & lb granulated sugar for every pound of fruit; return to the flee and as it slowly comes to a boil rémove the white froth. Squeeze the juice of the lemons into the liquor from the kernels, add to the marmalade, and cook 15 minutes longer.—[5, 0, Fr.

#### ALUM BAKING POWDERS

ix

CONGRESS ACTING TO SUPPRESS THEIR SALE.

The report of the senate committee on manufactures upon the subject of food adulterations and food frauds has created a sensation in congress and awakened great interest throughout the country.

If there could be published a list of the names of all articles of food found by the committee to be adulterated or made from injurious ingredients, it would be of inestimable value to the public

The recommendations of the commit-

tee that the sale of alum baking pow-ders be prohibited by law, will make of special interest the following list of names of baking powders which chem-lets have found to contain alum:

#### BAKING POWDERS CONTAINING ALUM:

DRY YEAST ..... Contains Alum.
Marf by R B Daris & Co New York AVIS'S O. K. . . . . . Contains Alum Manf by R. B. Davis & Co. New York 

WASHINGTON ...... Contains Alum.
Mand by Washington Baking Powder Co.

GINTERS GOLDEN ROSE......
Contains Alum.
Manf by Ginter Grocerr and Produce Co, Boston.

It is unfortunate that many manufacturers of alum baking powders state that their powders do not contain alum. It is only right that consumers should

set over boiling water and steam until tender, not too soft. While cooking, make a syrup of 2 teacups granulated sugar, more if desired rich, and 1 qt water. Add ½ teaspoon tartaric acid dissolved in a little water. Fill cans with pears, pour over the syrup, shake cans until all air spaces are filled with syrup, using the handle of a silver tablicspoon to facilitate removal of bubbles. Scal and keep in a paper bag in the dark. The quantity of syrup mentioned is sufficient for two quart cans. Pears put up in this way never spoil if hermetically sealed.

Grapes: A new method which makes delicious sauce. Heat lars very hot by steaming over cold water gradually heated to boiling. Wring a towel from het water, swathe the cans, fill with grapes picked from stems, cover with holling water, scal and let stand 10 minutes. Open, pour off water, fill again with boiling water, seal and let stand 10 minutes. Open, pour off water, cover with boiling hot syrup and scal.

Spiced Elderberries: Take 4 lbs sugar, 1 pt strong vinegar, 6 lbs elder berries, Boil 1 tablespoon ground cinnamon, 1 teaspoon each ground cloves and slispice in the vinegar until the strength is drawn out, strain, add sugar, bring to boiling, add elderberries. cook slowly 2 hours, stirring often to prevent scoreching. An aluminum mat placed under boiling fruit is a great aid in preventing its adhering to the kettle,—[S. W.

Frozen-Peel 2 lbs ripe, soft peaches

Frozen-Peel 2 lbs ripe, noft peaches and take out stones. P. und the kernels to a paste, add to 1½ lbs sugar, over which pour 1 qt water, boil 5 minutes, strain. When cold, mix with the peaches, mash and freeze.

Pickled with Plums Take 3½ lbs peaches, the same of plums, 2 lbs sugar, 1 qt vinegar, 1 oz cloves and 1 oz cinnamon. Scald the vinegar and sugar three mornings in succession and pour on the fruit, the third morning scalding them together.

Tomato Soup-Four large tomatoes and I at water, slice the tomatoes and I at water, slice the tomatoes and let boil 15 minutes, and a piece of soda size of a pea, and while foaming add I at milk, a piece of butter, salt and pepper, with some rolled crackers, let stamped on cambrill boil up and serve.—[A. R. Annable, Pattern Departmen

# Teeth and Their Work.

# CARE OF THE TEETH.

Teething is an event in every family that is anticipated with more or less that is anticipated with more or less solicitude; however, the eruption of the teeth is a natural process and ought not to be attended with serious results. With a weak and delicate body, unable to resist irritating influences, strict attention should be given to diet, pure air, bathing, exercise and sunlight, which, with the use of a pood tooth wash, are the only medicines required. Parents should be watchful of the first teeth, as they have much to do in forming a healthy constitution. Mothers often neglect the temporary teeth, probably thinking that as they are only baby teeth which must eventually be shed, no care of them is necessary. But it is a most serious mistake to allow shed, no care of them is necessary. But it is a most serious mistake to allow these teeth to decay or be prematurely, extracted, as they control to a great extent the regularity, beauty and perfection of the permanent teeth. The ruption of the permanent teeth. The not as a general rule produce any unusual trouble, and their presence is often unsuspected, Parents should remember that the second teeth coma while the first teeth are yet in the mouth. mouth.

mouth.

The six-year molars (first permanent teeth to appear) are in all respects very important teeth and should not be lost or allowed to decay if it can be possibly avoided. In youth the teeth decay much more rapidly than at any other period, except during sickness, and one of the very best remedies is a reliable tooth wash,—[J. B. H.

It is unfortunate that many manufacturers of alum baking powders state that their powders do not contain alum. It is only right that consumers should have correct information as to the character of every article of food offered to them.

MAKE READY THE CANS.

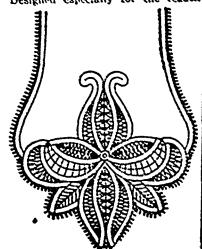
Pears: Pare, halve if small, quarter if large, and remove the cores. Place a cloth in a steamer, put in pears, cover, set over boiling water and steam until tender, not too soft. While cooking, make a syrup of 2 teacups granulated sugar, more if desired rich, and 1 qt water. Add ½ teaspoon tartaric acid dissolved in a little water. Fill cans with pears, pour over the syrup, shake cans until all air spaces are filled with syrup, using the handle of a silver tabicspoon to facilitate removal of bublics. Scal and keep in a paper bag in the dark. The quantity of syrup mentioned is sufficient for two quart cans. Pears put up in this way never spoil if hermetically sealed.

Grapes: A new method which makes delicious sauce. Heat jars very hot by steaming over cold water gradually heated to boiling. Wring a towel from hot water, swathe the cans, fill with builling water, seal and let stand 10 min-Fish as Food-Farmers' bulletin No 85 states that in the specimens of fish

Coffee Cake-One cup butter, 1 cup brown sugar, 1 cup molasses, 1 cup strained coffee (strong), 3 cgss, 1 is seeded raisins, 2 cups flour and 2 teapones baking powder. Bake in a moderate oven.—[Lalla.

# BATTENBERG TIE END.

Designed expecially for the readen



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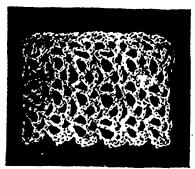
64.

CTI

### WHEEL OF FORTUNE

1st row-Ch twelve, turn.

2d row—Ch twelve, turn.
2d row—One double in 10th st, one ch, one double in 8th, \* three ch, one double in same, three ch, one double in same, \* double in 4th st, repeat between stars, double in 1st st, repeat between stars, three ch, turn.
2d row—Fasten with sin e st in loop



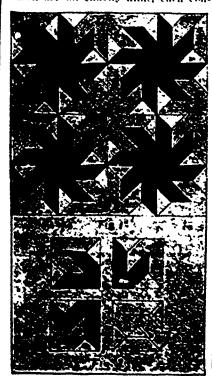
last made, three ch, fasten in same loop, \* three ch, fasten in next loop, \* repeat between stars four times, one ch, double in double, double on top of the two ch, true

ch. double in double, double on top of ch. two ch. turn.

4th row-Pouble in double, one ch. double in first loop of three ch. three ch. double in. same loop. repeat. double in 3d loop of three ch. three ch. double in same loop, repeat. double in 5th loop of three ch. three ch. double in 5th loop of three ch. three ch. double in same loop, repeat. Continue by repeating 3d and 4th rows.—[A. R. M.

#### INTERLOCKING WHEEL

This design is apparently very intri-cate, but when analyzed it is found to have an extremely simple unit. It is composed of only two forms, a small triangle and a four-sided figure whose triangle and a four-sided figure whose geometrical name is a trapezoid. The knew right-hand square of Fig 2 shows the outlines of a single black omitting the dotted lines which aid in drawing the pattern. The arrangement of the four squares of the same figure shows the method of joining the blocks, which are all exactly alike, each con-

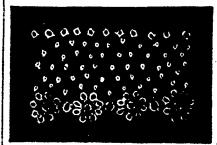


taining two triangles of the pale tint

the triangles, a yellowish brown for the medium-tinted wheels and peacock blue for the dark wheels. The result was most artistic. It is a pattern that can be used on a small scale for small pieces of patchwork or on a large scale for quilt covers. In silk patchwork, for cushion covers or crib quilts, four inches is good length for the side of the square block, for quilt covers from six to eight inches square. In either case limit the number of colors to three, for to attempt to make complete stars of rany colors would be to set about solving numberless Chinese puzzles. It can be done, of course, but it changes a perfectly simple design into an involved one, and the result is much less satisfactory however well the tints may harmonize.—[M. B. Peck.

### TATTED LACE.

Make a row of wheels of a large ring of 2 d s, \* p, 2 d s, \* repeat six times, draw to se Around this are eight rings of 3 d s, \* p, 2 d s, \* four times, 3 d s, draw close, join thread to picot of first ring. Make another, joining to ring last made and to center. Continue until the wheel is finished. Make as many as needed and join together by rings like those in center of wheel. To make the dotted upper part of lace, make ring of 4 d·s, join to p of wheel, 4 d s, draw close, leave ½ in of thread, make another ring, join to p on next ring of wheel, join next ring to ring between wheels and so continue across the row. The next and all succeeding rows are the same, joining the rings to the thread



between rings. For the rings of the last row, make 4 d s, p, 4 d s, join to thread of preceding row, 4 d s, long p, 4 d s draw close. The next ring is joined to first at long phot, and so on acress the row. The sample is made of No 100 thread.—[Eliza C, Smith.

Woven Rug. The material should be flannel or any of the textures of cotton and wool now so much used. Save bright parts of old dresses and cut in bright parts of old dresses and cut in blus strips ½ in wide and 1 to 12 in long. Take a darning needle and twine, run the needle through the center of a strip lengthwise, push up in a bunch of gathers on the needle, twist the ends in opposite directions, until the frayed edges stand out and resemble a large chenille cord, then draw the needle through to the other end of the twine. String or sew another strip, whirl it on the needle and push it to the end of the last rag strung, just as we used to string apples to dry. When the cord is full, the on another, and so continue until there is three yards of rug-rope. Then start another. Do not push the strips tightly on the twine, just close enough to hide the stitches through the center. It requires about 30 yards of rug-rope for a woven rug 1½ yards long by ¾ yard wide. Take to a carpet weaver and have it wown "half-slayed," that is, half the number of warp threads used to the inch in weaving ordinary rag carpet. The ends of the rug may be of bright colors, with the center of one dark color. I made three rugs with hitand-miss centers, using only dull colors, as black and all shades of gray and brown, mixing the shades as much as possible in the stringing of the strips, using bright colors for the borders. This rug-rope can also be sewed on canvas in any design one may fancy.—[Mrs May Gleason. das strips ½ in wide and 1 to 12 in long.

taining two triangles of the pale tint, two trapezoids of the medium tint, and two trapezoids of the dark tint.

Draw a square a little inrect than the finished block is to be and inscribe its two diagonals. Measure of on one of the diagonals a b. Fig 2, the length of the side of the square, and from b draw b e between the two diagonals and parallel to the side of the square, and a c parallel to the diagonal. The sollines of the two working patterns will then be drawn ready for use.

This design was used for a slik sofa pillow-cover, the colora being white for

### A VARIETY.

Faded Coats—Take about 1/2 lb log-wood chips, put them in a small bag, place in an iron kettle and boil in soft water until strength is extracted. Add to the dye sufficient soft water to cover the goods, which must be well cleaned with soapsuds and left wet, when put in the dye. As things treated in this way do not crock it is not necessary to remove linings. Put the goods in the dye while hot and leave them in for an hour or more, airing often and keeping hot. Drain the goods by laying sticks across the kettle and rinse in two or more waters and dry on a fair day. The result will be satisfactory if the original color of goods is black. No setting is needed. If the first dip does not entirely restore the color, give it a second trial. I have tried it on many coats, vests and whole suits. One fine spring overcoat which had become bottle green was entirely restored and has place in an iron kettle and boll in soft spring overcoat which had become bottle green was entirely restored and has been worn for years without fading. Of course this only applies to goods originally black. If pussible, do the work out of doors. To press, let, the garments dry, then wring an old plece of black cambric out of water, lay on goods and use hot irons.—[M. J. R.

United States Storms, according to Prof Bigelow of the weather bureau, have nine average places of generation. The great majority form in Alberta, north of Montana, and after coming into the United States, travel eastward A few come in over the North Pacific coast. A third group forms on the northern Rocky mountain plateau. A fourth forms in Colorado, being horn on the very high mountaincus elevations. A fifth forms in the Texas lowlands, and catching the gulf winds and moisture moves eastward. West Indian hurricanes form the sixth class. The South Atlantic coast storms make up the seventh class. Storms which come in from the Pacific on the southwest form the eighth, and finally a class of minor storms is generated in our central valleys. Some of these storms come Prof Bigelow of the weather bureau.

scross the Pacific from the Asian coast, and after sweeping across the country, go out over the Atlantic to Europe, and even to Asia again, but there is no record of a storm having circumnavigated the globe. But no matter where these storms are generated, they always converge toward New England. New England, in fact, seems to be the stormiest spot in the United States. A record of 10 years ending with 1893 shows 1143 storms, all of which headed toward, and most of which reached, New England.—[Ainslee's Magazine.

Oil the Skin—It contributes to soothe the tired nerves to have a thorough oiling after a bath. The oil which is used must not be sticky or capable of becoming rancid. It must be pleasing and inoffensive to the smell. Vaseline is a good thing to use. It must be used very sparingly, and thoroughly rubbed in, so that no trace of it is seen on the skin. Obtain only the purest kind, as some brands of vaseline are irritant to the sensitive skin. The oiling of the skin is of especial benefit to children when they have a cold. If the baby is cross and tired, give him a bath and a generous rub with vaseline, and watch him go to sleep while you are gently rubbing him. Oil the Skin-It contributes to soothe

Canned Beets (Requested)-Gather the beets in August, wash clean, cook till tender, cut in round pieces or long till tender, cut in round pieces or long as you wish, pack tightly in glass cans that are air-tight, then cover with the following: Onequart of vinegar (not too sour) to 1 lb sugar, 1 tablespoon mixed spieces and a little salt. Boil all together, pour over the beets and seal while hot. These are splendid, and will keep until beets grow the next season. I have used this recipe myself and know it is fine.—[Mrs N. E. Snyder.

Baked Corn-One pint of green corn oven and bake till brown.—[Ruth Ray-

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FARM AND HOME, Springfield, Man



The Boy's Side--I would like to remind the people that say so much about



young men and boys leavand hoys leaving the farm it is not always from choke in my own case there was not profit enough for all of us, so I had to go. The city was let est work in

I had to go The city was the only place I could get work in winter. I was not contented, could not enjoy myself as I did on the farm. I was sick half of the time. The water looked more like mud than like water; some different from our old Vermont spring water. clear and cold in the hottest days of summer. Another side of the question, a boy that works on a farm is expected to be a machine, get up early, work late, get small pay, then have work for only six or seven months in a year, question what can he do till spring unless he gets a chance to do chores or chop woed for his board? He spends all he has earned through the summer, often running in debt. I am willing to wear overalls to work, but come night I like to clean up and rest, read or study till bedtime. In most places when they go out to work the boys are used as slaves. No wonder we leave the farm for something clse where we can have regular hours and be treated as if we were human beings.—[One of the Boys.

Death of a Councilor-My invalid on, Roscoe Young, who signed himself Shiftless Simpson, cannot write again Shiftless Simpson, cannot write again to you; he has passed from earth to heaven. Although he had not walked for four years, he was as patient and unselfish as he could be. Mothers, it is the first death in my family and I am so lonesome.—[Mary L. Young, R R No 3, Maryville, Mo.

Thorns, Too-Coddle's Sister, are you really and truly an actress? Those papers that Farmer's Son mentioned must have something to fill their worthmust have something to fill their worthless columns, so I do not think we ought to heed them. Woman Hater, you man't in regard to be oks, but you have plenty of time to change your views in regard to matrimony. We cannot have roses without thorns. I'd rather have thorns too, than no roses. Women have no sense? Why, Mrs Poyser says in Adam Bede that "God a'mighty mad the women to match the men." I am a plain farmer's wife (although I once had great dreams of fame) and have my little treables (who has not?) still I am not going to bring them to you, but leave them with the All Wise Counselor—[Busy Wife.

Bright Side We cannot know the future: then why werry over it? may be even brighter than we think Every cloud has a silvery lining. Our Every cloud has a silvery lining. Our faces should be as a mirror reflecting only brightness. The gleaming of a pleasant smile, the warm pressure of the hand, the loving word spoken at the right time counts for so much. It does not pay to become cynical; even Doctor Kalerie would prescribe brightness with his 1', go of common sense, and should the disease overtake some, let us hope on remembering that there is a destiny that shapes our ends, rough

until you are reasonably sure of a clear sky, fair winds and a true pilot to guide you. I have a good voice and am studying in that line, but, if the right noble knight should come, why, I would have to do as God intended and become his wife. However I lose no sleep over it. I have a lovely home in the country and we drive, ride bleyeles and do all kinds of work at home.—[Blonde Buckeye.

I enjoy reading Coddle's Sister's let-I enjoy reading Coddle's Sister's letters, they have good sense and I wish her success on the stage. I also like Katy Did's letters and helicide as she does in speaking to everybody. A smile and a kind work will brighten sad hearts and make them forget their sorrows. Why do I find so many of the Councilors sad hearted? Come, dear friends, try and be happy. I, too, have my sorrows, but am going to east them away. Woman Hater, all girls are not deceifful. Let us all try not say ugly things about anybody. Remember the least said is easiest mended.—[Honde.

Bring Him To-So, Webfoot, you swam into the puddle and became fast in the mad? Undeceive the girl by all means, most likely she wal thank you for it. A man can ge any girl he wants if he knows how. Then never forget that all others are given up for one Ladies, will you kindly listen to a word of advice, free of charge? Don't love any man until you know for sure he loves you. If you really love him, find you can't heip it, don't let him know it. Then when a duck swims up heside you and says, "I don't love you, duckle dear," but I'll marry you, because I think you want me to," be kind to him, for he needs to be pitied, but show him that you have not lost anything, then go swimming around with someone else in a we ke or two, If that doesn't bring him to, I don't know what will, -[Mudhead. in the mud? Undeceive the girl by all

A Poor Boat-Member of Letter Circle 106, I will admit that some



men are deceitful, for it is plainly noticeable hut is deceit not used on the other side as well, and is not the reason of this

is not the reason of this hecause a man expects perfection in the woman of his choice? Thus all defects are put in the background for the time being. It is a poor boat that cannot weather a few storms and so on the sea of matrimony do not expect that there will always be smooth sailing. There will be some storms and some differences, but if each will try to enact the golden rule and not expect perfecthe golden rule and not expect perfec-tion "all will be well"

There's many a thing that the maidens wish As they travel the road of life

While taking their part in this busy world

world,
And sharing its cares and strife.
Perhaps they may long for a cozy home,
With its furniture spick and span,
But to crown the whole, they care the most
For the love of an honest man"

It may be the wish of some of the opposite sex, for the love of an honest woman, so I say, Councilors of both persuasions, be honest with one another and so help avoid much of the unpleasantness of life and much that will bring heartaches to one another.—[Sister Inc.]

Precious Jewel-Anent Webfoot's love affair, will you kindly permit a few words in behalf of the poor girl who is an interested party? I have Doctor Kaloric would prescribe brightness with his 1'. Et of common sense, and should the disease overtake some, let us hope on remembering that there is a destiny that shapes our ends, rough how them as w. will: we have no right to look backward for the past is irrevocable, the present ours, the future God's.—[Grace.

F. & H. is a nice helpful paper for the hone circle. We enjoy its coming very much. But what is the trouble with some of the Council members? Do we only hear about the delegant times. I would like very much ful times. I would like very much ful times. I would like very much followed the hone circle. We enjoy its coming very much. But what is the trouble with some of the Council members? Do we only hear about the delegant times. I would like very much ful times. I would like very much followed the hest part of my life in the clip, and I want to say to you. Webfoot, if the young lady is really in love our are valuing too lightly the most precious jewel that will ever come within your reach. There is an earnestness and purity in the love of a country lass that you will search in van to find among those of the city. While there may be exceptions. I am you care more for the young lady than you care more for the young lady than you will search in van to find among those of the city. While there may be exceptions. I am you care more for the young lady than you care more for the young lady is really in love. While there may be exceptions. I am you will search in van to find among those of the city. While there may be exceptions. I am you care more for the young lady than you care more for the young lady is really in love and I want to say to you. Webfoot, if the young lady is really in the cly, and are walting to lightly the most precious jewel that will ever come within your reach. There is an earnestens and purity in the love of a country lady is really in the cly, and are walting to you. Webfoot, if the young lady is really in the cly, and a want to say to you.

life a greater success, your heart must be very hard if you did not love her. But in any event, charity, patience and self-denial must be the rule of life to secure domestic peace and happiness.-[Another Webfoot.

Send Photos.-Yes, Mr Cary ls a model husband. I only wish there were more such men, then the women wouldmore such men, then the women wouldnot think of singing, "needles and pins,"
etc. Now, F. O. J., it was somewhat
enreless in you to forget to tell what
kind of handiwork The Maine and I
exhibited in that little booth, in the
Fourth of July Parade. Now, just as
soon as we can get our kind Editor's
agreement in the matter, let's all send
in our photos under noms de plume, if
not otherwise; and have them arranged
in an artistic manner in the Council
pages of F and H. I know all would
enjoy seeing each other's countenances
if only in print,—[Mrs D. H. Clark.

A City-Bred Girl—Webfoot, so it would be hard to get a "city-bred girl," would it? And you think it is because you



think it is because you live in the country. Shall I tell you what a city girl would do if you could get one to come? She would first take the conceit out of you. And as to the other girl you have discovered is in love with you," are you sure your love for yourself does not influence you in any way? Probably if the truth were told she has discovered your most prominent characteristic and makes due allowances for you. Do not imagine you are the only man in the world, and gits are only too glad to accept your

you are the only man in the world, and girls are only too glad to accept your hand without your heart. Get rid of your besetting sin and you will see things in a clearer light. Hoping you will meet a "city-bred" girl and she will treat you as you deserve, I am—[A City Girl,

Webfoot. I advise you in the first place to give yourself a good shaking. Then let your chaotic mind settle. If you still think you don't love the young



Many a woman dresses to go out, feels irresolute, sits down, and falls into a fit irresolute, sits down, and falls into a fit of despondent musing. Ask her what's the matter, and she'll probably answer "Just the blues." And what are the blues? Only another name, in general, for a disordered liver and a diseased stomach. Cleanse the liver, heal the stomach, purify the blood, and there'll be no more blues. It can be done by the use of Dr. Pierce's Golden Medical Discovery. This medicine puts the diseased organs of digestion and nutrition into a condition of sound health. It eliminates from the blood all impure and poisonous substances, and cleanses the clogged liver. It contains neither alcohol nor narcotics.

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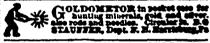
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# Farm and Home Council.

indy, go to her at once. Be as frank with her as you have been with us. Tell her you don't love her, and that if you should marry her it would only be out of mere pity; 10 to 1 she will not want to marry you. If she does, she is beyond our sympathy, You think it would ruin her life not to marry her. I think it would just be the reverse. And I believe the Councilors in peneral will agree with me.—[M. agree with me .- [M.

Ruined Lives—Bluff Springs, you are wr g when you say it is much easier for girls to do right than boys. We think all the Councilors will agree with us. But you are right when you say, "Speed the day of woman suffrage," If woman had the right to vote it would not be very long before most of the saloons would be abolished. Have any of the readers ever visited the Yellowstone park? We are deeply interested in it, as we contemplate going there some time, and any information on the subject would be received thankfully. Are any of the Councilors typewriters? If so, will they tell if it is hard work and hard to learn? Letter Circle 106, you had better go to Klondike a while and we dure say you will appreciate our presence when you come back. Webfoot, don't marry the girl, she will find out after you are married that you do not love her and two lives will be ruined instead of onc. Buck Strap, you may "ask her" and it will be perfectly proper, but don't be so silly as to think she will show her love.—[Minnehaha and Cinderella. Ruined Lives-Bluff Springs, you are

haha and Cinderella.

A Question—Buck Strap, give her a chance to tell what she thinks of you, anyway. Webfoot, a man who marries an attractive, common sense, loving and lovable woman ought, if he is worthy to be called a man, to be able to keep from loving another woman to such an extent as to endanger the happiness of his wife. If you have a strong character you might safely marry. I would like a little advice. I could go to college if I desired, but I am sure of a good farm of over 200 acres. Now would it be better to spend \$1000 learning a profession, or stay on the farm with a chance, in fact certainty, of not getting rich, but always sure of a good living? I am rather in favor of the latter, but like all high school graduates, I am getting lots of free advice. I think F & H Council is a great help to earnest seekers for good advice.—[Pat l'Irish.

Council Crumbs—I am living in the country now and I look for F & H as much as I would for my meals. I enjoy reading the Councilors' Talk.—[Apple Blossom.

ple Blossom.

I have been a reader of this paper almost a year and enjoy it very much. I live on a farm about 20 miles west of Omaha. Buck Strap, "Faint heart never won fair lady," you know. No true lady lavishes her love before she is asked to do so. Webfoot, you surely do not strike the fancy of city girls as much as they do yours. Member of Letter Circle 106, don't think all the girls are troublesome because one was, I admire your grit.—[Brown Eyes of Tree Planters' State.

Faults are blessings in their way: Without who would see or know their own?

own?
By faults of others arousing my temper.
I discover a weakness of my own.
SENIS.

My brother is a subscriber to F & H, and we are proud to receive the punctual visitor in our home, the tempting sketches are hard to resist.—[June

Eita.

Wallflower, I desire to know you personally, and can deeply, fully sympathize with you. Certainly, Buck Strap, it is perfectly proper to ask your ideal to be your wife now. Webfoot, you are undeserving the love of that intense nature. You have misled and deceived the girl until you have won her heart. The probable results are that whether you marry her or not, you will be her cause of suffering and anguish for a lifetime. Ah! ye trifiers of the human heart, retribution may overtake you.— One Sufferer.

Buck Strap, you have kept the girl's company long enough so far as time is concerned. The best way I know for you to find out if she loves you is to ask her. If she should not she will not make fun of you if she is the lady she should be. Webfoot, your case is certainly unpleasant, but do not make

it worse by marrying the lady without telling her just how you feel. As to the city-bred girls you might not like them as well as you may think after you know them better. "All is not gold that glitters."—[Potato Pete.

We take your paper and like it very much. My grandchildren as soon as they come want to know if the paper as come; they think the letters from the little people just light; they always say, "Don't forget to keep the paper."

the little people just light; they always say, "Don't forget to keep the paper," [Reader, As M. J. Huffman requested my address, it is Jack Silster, Valley View. Tex. I live on my father's farm of 400 acres. This is a beautiful and productive country and anyone who owns a farm and knows how to run it, can make a good living.—[Jack Silster. With regard to Webfoot I would say, be honest with your own conscience use your own judgment and if you do not love the 'attractive lady" tell her so honestly. If she really believes you are honest and that you do not love het and that you could not make her happy, it will cause her no deep pain. But above everything, be honest and frank with her. It is not so much the absence of love that causes pain, but the deceitfulness about it which gives the heart aches.—[Buckeye.

1 would like to know how many of you are housest.

aches.—[Buckeye,

I would like to know how many of you
enjoy music. I am very much interested in it. Carlo Minetti, composer,
teacher and singer of Pittsburg, Pa, is
my favorite music writer, also Charles
S, Burnham. I belong to three letter
circles and all of them are very successful and doing a rushing business.
[Rip Rap, Jr.

Wou't some mather tell me leave to

cessful and doing a rushing business. [Rip Rap, Jr.]

Won't some mother tell me how to cultivate the art of story telling? I am not much of a talker (I'm a woman. too), and find it hard work to talk with my children. It's "don't do this" and "don't do that" and I often think if I could chatter with them the way some mothers do. I would not have to say "don't" quite so much.—[Silent.

We take F & H; it is always a welcome wisitor, is a very instructive little paper, but think it would be wise for some of the young ladies to go to their mothers for advice about their love affairs, as such things are too ridiculous for publication. Mira Creek, Neb, where I live is but a country postoffice. My father has been postmaster for the past 20 years. He being too old now to be bothered with such cares a great deal of the work has been turned over tome. I have not attained to the cranky old maid age yet, nor am I exactly on the marriage list, until I am sure I am exchanging my pleasant home for one fully as pleasant.—[Jessie M.]

It seems very probable that Woman Hater was not very noming with the

It seems very probable that Woman Hater was not very popular with the girls and has given up all hope of getting a wife. Bad Boy, cancel your engagement and get a better girl.—[Amo.

A Call to Arms-Daughters, do not marry a man who now and then drinks a little thinking that you may reform him, for nine times out of ten he does not reform, and instead of the loving words that were in store for you at the outset there will be curses and brutal attacks. Councilors, let stepmothers and divorce cases rest and strike with all your might against the evil of intemperance. If this evil is ever put down, then and not till then will this terrestrial sphere he a paradise. Prosperity will then reign supreme, which means less poverty and sorrow, fewer street waits, less crime, less divorce cases, and society will become an Eden of tranquillity, for in and through it will reign that all-swaying power, the greatest thing in the world, Love.—[The Sentimentalist. marry a man who now and then drinks

Guns vs Cats-W. J. S., I am glad you are not neighbor to me. We have you are not neighbor to me. We have a cat we think a great deal of, he very seldom goes to the neighbors, but the boy next door has a gun of some kind, using double B shot, and he fires at all the birds that come near. He can't kill them, but disables them. Now someone loves the cats you are so mean as to kill, and they have owners. God owns the birds and will defend them or punish one who destroys them. If you have neighbors, they must dislike you awfully.—[Spitfire. you awfully.—[Spitfire

DIRCOVERED BY A WOMAN.

There discovered a mostive cure for all female distely we will send Farm and Home three years are in either ser, or aspy of the discovered presents, presents, never as less or the discovered presents, granulation, or. I will glady mostly represent to the time of the form and the three books above named all for only \$1.

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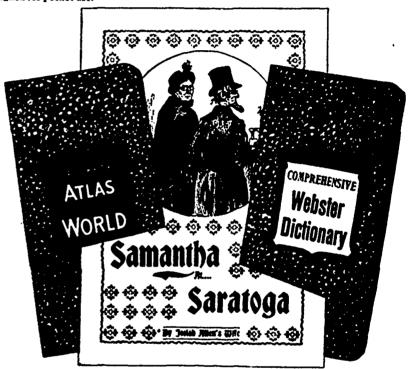
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2, 14 and 16 inch bust his pretty house con-









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# As to Farm Help.

# THE WIFE'S INFLUENCE.

Feed the hired men well, give them good beds so they can rest, and pay them at the end of every month, or, if day hands, Saturday nights. I have always paid about the same for 31 years, \$25 and board for month men, \$1.50 for day hands. They board themselves unless they want to live with me, if so, I board and room them for \$3.50 per week. I have at the present time 49 men and 42 board with me. They get up at 4.45 and take care of their own teams. Some have the cows, others the pigs and some the poultry. Then they have a good hot breakfast at 6, go to work at 7, have dinner at 12 and supper at 6.

My motto is "work "hile you work, play while you play." Do by the men as you would like them to do by you; that is law and gospel combined. You will find good and faithful men in all nationalities. I have some from Ireland, Sweden, Germany, France, England and from P E I and Nova Scotia, with a few Americans. If you get one that you don't like, tell, him he isn't needed any longer; don't scold or swear; it does harm rather than good. On a small farm a woman has about as much to do with keeping good help as the man. If she likes the hired man and his work he will in nine cases out of ten get along well.—[J. E. F., New Hampshire. Feed the hired men well, give them

# BITS OF EXPERIENCE.

A comfortable house for the tenant is always attractive, and need never be empty. Liberal wages, a garden spot free, also firewood, and other accommodations, costing little in dol-lars and cents, but greatly appreciated

spot free, also lirewood, and other accommodations, costing little in dollars and cents, but greatly appreciated by him who owns no home, will go a long way to insure a good steady man with family, who will understand that to work to your interest will be to his interest, and will gladly prolong his stay with you.—[A Woman Farmer, Indiana.

A young man got into bad company. He had respectable friends, they asked not to try him. He came, but knew little about farming, he had no education so was a dupe for all knaves. I told him k ndly but firmly about the evil of his ways and that it must be stopped. I encouraged him in everything and had no more trouble. He came to be one of the best men in that section. I also made him save his wages. He worked for me about seven years and then went partners in a farm with his brother. Give the hired man a spare day when you are not busy and in a hurry time you can always depend on him. I hired another man. I had him for about five years. Two better men you could not find.—[John Moorehouse.] I have lived on a farm 30 years; in this section negro labor is entirely employed. We never have any trouble with he wers: rule them kindly but firmly, allow them but few privileges, pay them eve w week. The ignorant negro laborer is proverbially imprevident, following literally the Scriptural injunction to "take no thought for the morrow." When naid Saturday, by Monday morning he hasn't a cent and is ready to go to work again. I have a neighbor, who for many years paid his laborers twice a year. When pay day came they would with few exceptions lie off for a week or two. Within the past year he has adopted my plan and finds it works successfully.—[M. P. Knight, Tennessee.

Never let time go beyond their wages, but allow them to take up a recreating amount each month. They are

Never let them go beyond their wages, but allow them to take up a certain amount each month. They are better sutisfied when you owe them than they are when in debt to you. Always deal strictly honest with them, so that they will have perfect confidence ways deal

in you. Be positive with them and make them respect you. I am now working three men (all colored). One has been with me seven years and another five, and the other three. The last one says he never wants to live anywhere cisc. I prefer the colored farm laborers to the white.—[V. W. H., Georgia.

If there are any shows or other big-days, let them go, and do not dock them on wages. The trouble with some peo-ple is that the wife as well as the hus-band wants to ss them. One mag told me he did not hire out to the wife to work.—[Reader, North Dakota.

They commence milking at 6 a m. Work and chorer are done by 6 p m. Supper is ready promptly. If they want to go to town, three miles, I let them drive a good team. I pay them every Saturday. All good friends.—[& W. Nott, Colorado.

W. Nott, Colorado.

I have a man now who has been with me about nine years, and is still with me. A laboring man is as good by nature as anyone else, but too often he is looked upon as inferior to the employer and is therefore treated as such by many, and hence his stay will be short and unsatisfactory.—[H. C. Whaley, Marion Co, Mo.

# A FLOBERT RIFLE

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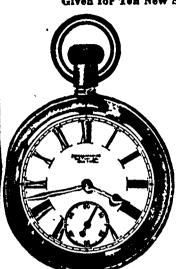
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Premium No. 28 is a beauty, set with four project very near.

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Premium No. 687—Very handsome ladies ring, set with eight felliants and ruby center.

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Premium No. 693—Taper band ring, solitaire brilliant, suitable for lady or gentleman.

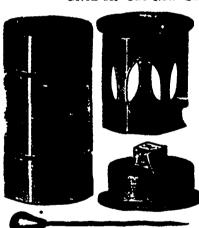
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This microscope is specially imported from France. As regards power and convenient handling, good judges pronounce it the best ever introduced for popular use. The cylindrical case is manufactured from highly polished brass, while there are two separate lenses—one at each end of the microscope. The larger g is is adapted for examining insects of various kinds, the surface of the skin, the hair, fur or any small articles. The other lens is exceedingly powerful, and will clearly delincate every small object entirely invisible to the naked eye. Thousands of living animalcules can be seen in a single drop of stagnant water. Everybody should own a microscope, and to this end we have placet this within reach of all.

We will send this microscope free as a premium to anyone sending us One new subscriber at the club rate of 35 cents a year. Price 25 cents, or with Farm and Home one year, 50 cents. Postage paid by us.

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The great advantage of this gun is that it uses no powder. There is scarcely any noise. No danger of explosions. No possibility of fires. Its entire length is thirty-one inches. Shoots common B B shot accurately. The gun is made of one continuous piece of brans, has movable sights and no soldered joints or levers to break or get out of order. It is all nickeled and nicely polished, with the exception of the stock, which is of wood with rosewood finish. The stock is made with a pistol grip, the only air gun in the world having this feature. The regular selling price of this gun is \$1.50, but by purchasing in large quantities we are enabled to offer the same upon the following terms:

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This beautiful bracelet is heavily plated with gold, and is warranted to wear well and give good satisfaction. It is in the latest and most fashionable style, consisting of a chain with bangle in the form of a heart attached.

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THE CHINESE PUZZLE

The long anticipated advance upon Pekin began alkout Aug 1, with 2000 American troops in the allied army of 14,000 men. In spite of the declaration of Li Hung Chang that if the troops advanced the Chinese must fight, this was deemed the only course to nursue. A message from Minister Conger, the second to come direct from him to Washington, announced all the legasecond to come direct from him to Washington, announced a'! the legationers safe and well but provisions and ammunition low and the imperial government urging them to leave Pekin, which they knew would mean certain death. That the government was in league with the boxers from the first appeared from the letter of the London Times's corespondent in Pekin, Dr Morrison. This letter said the attacks on the legations ceased after the victory of the allies at Tientsin, and the government turned squarely about through fear and implored Queen Victoria and President McKinley for aid against the boxer uprising.

The first victory of the allied army on its way toward Pekin was at Pel-tsang, Aug 5. The Americans who participated were the 9th and 14th regiments, Reliley's battery and the marines, in

Reliley's battery and the marines, in all about 2000. The British, American and Japanese forces worked together against one flank of the enemy and the Russians and French against the other. The signs pointed to a stubbern resistance all the way to Pekin, with the probability that the prisoners in the British legation would be dead long before the march was over.

Personal—The new ambassador to Italy, who succeeds Gen William F. Draper, resigned, is Roger Wolcott, for-

Draper, resigned, is Roger Wolcott, formerly governor of Massachusetts, and a man of culture, wealth and winning personal qualities.

John Clark Ridpath, author of several histories and biographies and for a time the editor of the Arena magazine at Boston, died in New York aged 60. His home was in Greencastle. Ind; and he was a native of that state. He was prominent many years as an educator in Indiana, being at the head of several large institutions of learning.

Queer Victoria's second son, the late duke of Saxe-Coburg and Gotha, was very popular as a sailor prince in the navy, but he lost favor with the English people when, succeeding to his German duchy through his German father, he sought to have his pension of \$125,000 a year from the British treasury continued. The amount was reduced to \$50,000 a year. The duke, whose name had been Prince Alfred Alexander William Ernest Albett, was born Aug 6, 1834, and in 1874 married Princess. had been Prince Alfred Alexander William Ernest Albe.t, was born Aug 6, 1844, and in 1874 married Princess Marie, the only daugi 'er of Alexander II of Russia. Among his experiences while in the navy were a visit to the United States and a bullet wound from an assassin in Australia. His successor to the duchy of Saxe-Coburg and Gotha is his son, the duke of Albany, who will not be of age till 1905, therefore his son-in-law will be the regent until that time.

North Carolina follows South Carona, Mississippi and Louisiana in lina, Mississippi and Louisiana in adopting a constitutional amendment which means the distranchising of most of the negroes. At the recent state election an amendment was ratified providing that the qualifications for voting in North Carolina on and after July 1, 1903, shall be a residence of two years in the state, six months in the county, four months in the ward or precinct; the payment of poll tax; the ability to "read and write any section of the constitution in the English language." The most notable feature of the amendment, however, is the clause which saves ignorant whites from disfranchisement by previding that no male who was entitled to vote previous to Jan 1, 1867, and no lineal male descendant of such a voter shall be denied the franchise, provided he registers on or before Nov 1, 1908. After that date illiterate whites, if any remain, will be on a level with the blacks. adopting a constitutional amendment

Brockway Out-The reformatory at Elmira, N Y, loses the warden whose methods have made him an object of national interest, the new trustecs appointed by Gov Roosevelt having forced him to resign. Z R Brockway, the retiring warden, is now an old man, I saw it in your dressing table drawer."

having been at the head of this institution many years. It is his theory that after the commission of certain crimes the criminal should not be set at liberty until he has given indications that he will try and live within the law. Under his plan the younger criminals, especially those whose crimes were committed thoughtlessly or under unusual temptation, have an opportunity to learn self-restraint, and a prospect of going out after a moderate term fit to be decent citizens. Deliberate or hardened criminals undergo a severe training, physical and moral, which is thoroughly distasteful and has provoked much opposition, especially from the criminal class. The Brockway system has had the indorsement of those who make prison methods a study. having been at the head of this instiwho make prison methods a study.

Two Kings-The new king of Italy. or Emmanuel III, the only of Humbert, differs from his father in being small, delicate and a father in being small, delicate and a scholar. The young man's character and ability are praised in the highest terms by those who know him. The kindness of King Humbert was proverbial. His flerce martial aspect and his passion for things military covered a most amiable nature. King Emmanuel is said to be as unapproachable as his father was approachable, being sensitive on account of his physical inferiority. He is a general in the army, and is assiduous in his devotion to military ity. He is a general in the army, and is assiduous in his devotion to military duties. He was born Nov 11, 1869, and in 1896 married the Princess Helene, a daughter of Prince Nicolas of Montenegro. The new queen is said to have been pronounced the most beautiful woman at Queen Victoria's jubilee. The late King Humbert succeeded to the throne in 1878 on the death of his father. Victor Emanuel, His reign was distinguished chiefly by the entrance of his kingdom into the triple alliance with Germany and Austria. He was born March 14, 1814, and fought in the war for the unity of Italy. He married a cousin, Margherita, daughter of the duke of Genoa.

The Islands-The prosecution of E. G. Rathbone follows that of Neely, for postal frauds in Cuba. Rathbone postal frauds in Cuba. Rathbone was formerly director-general of posts in the island, and in spite of two in-reases in salary he swindled the government. The Neely defaication is estimated now at \$130,000 to \$150,000. Rathbone drew \$5 a day fraudulently, stole a thousand dollars or more, and charged many of his personal expenses to the government.

Cuba is to have home rule soon, in accordance with our national pledge. A constitutional convention for which delegates are to be chosen on Sept 15, will be held in the fall. The recent orderly and intelligent voting at the municipal elections convinced the government of the readiness of the island for autonomy.

autonomy.

The civil service rules operative in

the states and territories have been applied to Hawaii and Porto Rice.

The Government is buying real estate, in the shape of two little islands of the Philippine group left out by mis-take from the original bargain with Spain. They are very small, cost \$50,000 spiece, and are named Cibitu and

The Semi-Centennial of California's admission into the Union next month will be one of the finest pageants ever will be one of the finest pageants ever seen in the state. A parade of various orders of Native Sons, which will take place on Sept 10, will be the main event, of the four days' celebration. The feature of this parade will be the number of floats representing scenes in early California history. Among those who will be in line will be several survivors of the original "Bear Flag" party.

The national law requiring all freight cars to be equipped with automatic couplings, in order to check the slaughter of brakemen, went into effect the other day. The grand total will not be far from 1,500,000 cars. It is thought at least 1,000,000 cars have been equipped with the automatic couplers, and before the end of the year every railroad will have all its cars fitted up with these couplers. The work has extended over a number of years.

# The Honey Product. MARKETING SMALL LOTS.

We like cash to come in, but we have a rooted objection to its going out. And this is why the small producer is al ways loth to buy expensive shipping boxes, crates, glass jars, etc. With the aplarist with hundreds of hives, it is rather different; honey is his husiness, he has things all systematized and figured out beforehand, and as he hand a large quantities he gets his and figured out beforehand, and as he buys in large quantities, he gets his goods at cut prices by freight, and if he wishes to, he can generally buy on credit, Altogether, his trade is so sure and the returns so clearly in sight, that he thinks no more of laying out what money he considers necessary than a tradesman does of ordering his spring stock.

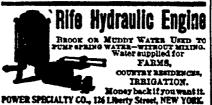
tradesman does of ordering his spring stock.

The farmer, with whom bees are a side line, and nothing more, does not view the matter quite i the same light. He has had to pay to his hives and sections, and probably for a certain amount of foundation, and he does not feel like spending any more. Some tell him this disinclination to go on spending is all wrongheadedness and foolishness, that the cents laid out in proper shipping cases, labels, etc., are going to come back tenfold in increased prices.

I fully believe that the man who is going to succeed is the man who remembers that a penny saved is a penny gained and acts accordingly. At the same time I would suggest that there is a middle course between getting the most expensive shipping boxes, etc., and taking one's crop, all ungraded, clover and buckwheat, scraped sections and unscraped, full sections and half full, all together, to the nearest store and perhaps having to take out one's price in some sort of miscellaneous articles.—[Gilbert Wintle, Vandreuil Co, Que.

"What are you crying for, my little man?"
"Because you're sitting on my tart!"

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