

# FARM AND HOME

CANADIAN EDITION

Vol XXI No 420

CANADIAN EDITION DECEMBER 1 1900

x 50 Cents a Year

## To Control a Province.

### A COMMERCIAL PROMOTER FOILED.

Practical extinction as a popular government was threatened the province of Newfoundland, if the big plans of a Scotch plutocrat had been indorsed at the election last month. Newfoundland's present troubles began in 1880 when a period of railroad building set in. An American firm and also the colonial government became involved and finally a Scotch contractor, R. G. Reid, a successful C P R R bridge builder, took hold. In three years he pushed the Newfoundland transinsular line 280 miles inland and under a second contract completed the road clear through to the east coast. He received \$15,600 a mile, payable in 4 per cent 40-year colonial bonds, for constructing the line, and these he easily marketed at about par in London. When completed, the system was 630 miles long and cost \$10,000,000.

The operation of the system became a serious problem for the colonial government, as it could not be done on a paying basis. The wily Scotchman offered to operate it for 10 years for a grant of 5000 acres land to each mile of road, and the offer was accepted. But his schemes of land and mineral development came slow, so he proposed to operate it 20 years more for an extra 2500 acres to each mile. But popular suspicions were aroused and at the election the conservatives succeeded the liberals. But Mr Reid was cunning. The minister of finance co-operated in his behalf.

At this point one of the most audacious moves ever made by a private capitalist among a self-governing people was quickly executed. Then Reid elaborated a scheme by which he was to take over the whole productive assets of the colony and administer them as a private business enterprise.

"Reid was to take over and operate the railway for 50 years for an extra 2500 acres of land to a mile, and to pay a million dollars, cash down, for the reversion of the ownership at the end of that period. If he failed in the operation at any time during the 50 years he was to lose his money and the line revert to the colony. The dry dock in St John's, built by the government to accommodate and repair the host of disabled steamers which make the port every year, he was to buy for \$325,000, little more than half its cost. Telegraph lines, 1000 miles in all, which cost \$200,000, he was to buy for \$125,000. He was to provide eight steamers to ply around the different sections of the coast, to carry mails, passengers and freight for 30 years, for \$150,000 a year in subsidies. His land grants were to aggregate over 4,000,000 acres of the choicest arable, mineral and timber areas in the island."

This contract, by which Reid secured the railway at a tenth its cost, telegraph lines and dry dock at half their cost, the government and legislature indorsed. When the minister's secret connection with Reid became known

the governor dismissed him on an hour's notice. Then began an agitation of great violence. But Reid would not down. He proposed a limited stock liability company, to be capitalized at \$25,000,000, but which was refused. Then began a war in earnest. Reid organized a new political party, with the ex-minister at its head, and last month the great struggle was to elect him. But the people took up the liberty issue and the Reid party was completely buried out of sight, securing only six of the 36 seats in the legislature. People are now wondering what the next move of both the government and Mr Reid will be.

## Interesting Reading for Fruit Growers

Is the article on our fruit page from the secretary of the Ontario fruit growers' association. The English people import large quantities of fruit annually, and with a little well-directed effort, as is now being done, a good trade can be built up with Canada, just as has been done with our export egg and cheese trade, as referred to elsewhere in this issue. An extensive trade of this kind must be begun slowly and worked up gradually along lines indicated by the experience gained. It is right that both the Dominion and provincial governments assist in the introduction of our fruit abroad. No better qualified man can be found in the Dominion to prepare the fruit for shipment than the able secretary of the Ontario fruit growers' association.

## Counting Noses.

Preparations are now being made for the next Dominion census. Mr Archibald Blue of the Ontario civil service having been made chief commissioner. This census is taken every 10 years, the last being in 1891, by Commissioner Johnson, who introduced several wholesome changes which should be conformed to in taking the census next year.

## New Ideas in Farming.

Only the big specialists, large commission merchants and managers of railroads fully comprehend the enormous development of diversified agriculture, especially during the past ten or fifteen years. The peach industry alone is extending at a remarkable rate, especially throughout the middle south. The increase in the area devoted to large and small fruits, not only in the United States but in Canada, is one of the striking phenomena of the times. Other specialties are being developed on a smaller scale. I expect to see 100 millions of dollars invested in sugar beet culture and manufacture during the next four years. New crops and new uses for old crops, are the order of the day. Progress is in the air. Science and practice are uniting to help the American farmer. The younger farmers, and the older ones who are up with the times, are not

## "NICHOLAS OF DEERBROOK,"

A powerful story of Adventure, Love and Mystery, dealing with an inheritance wrongfully withheld, will open in the Dec. 15 number of Farm and Home. It is by Florence McCallen, whose stories of the Mississippi valley and Texas are immensely popular. The scene is laid in the Mississippi valley, and the tale is of absorbing interest. Watch out for "NICHOLAS OF DEERBROOK."

complaining about their business. They are making money and having fun, too. If one thing doesn't pay they turn to another—they do not stand still. I know many of these men whose plans for next year are already perfected. On the contrary, millions of other farmers are not yet done thinking about this year, much less considering plans for next season. Let's wake up and get a move on.

## Give Our Farmers Equal Prices.

The three or four large agricultural implement-making concerns of Canada, by having an understanding with each other, and with the aid of a high protective tariff which keeps out American machines, are able to keep up prices at home to a high figure. In the broader markets of the world they not only compete with each other, but also with manufacturers across the line. The largest Canadian firm making farm implements, managed to sell abroad over \$1,000,000 worth of machinery last year.

## The Short Cut.

The P E I legislature has been dissolved and Dec 12 appointed as election day. The dissolution announcement was generally received as a surprise.

Great is the influence of the old grange in the states. In 34th annual session at Washington, last week, President McKinley called its legislative committee in for a conference on agricultural affairs. Great is the power of organized agriculture.

Every stockman who can possibly find the time and money to attend the International live stock exposition at Chicago, Ill. next week, to Dec 8, should do so. As we go to press it

bids fair to be one of the greatest and finest aggregations of live stock of all kinds ever brought together in this country. Liberal premiums have made it so.

Although the present Quebec legislature does not expire until May 11, '02, the change in the premiership is taken as an excuse, and an appeal to the people has been made, elections to occur throughout the province Dec 11.

The cold north not only eats plenty of meat to keep warm, but indulges in plenty of corn, which is entered duty free. This fiscal year, Canada exchanged \$2,882,255 for American corn and \$2,405,890 the year before. The corn plant thrives only in favored sections of the Dominion.

If you don't know, ask Farm and Home. No excuse for ignorance on any matter pertaining to the farm or the home. No one too poor to take this paper and thus acquire the priceless privilege of obtaining through its columns any advice or help you need.

## Where to Buy.

What a wonderful business directory Farm and Home is! You find in the advertisements almost everything that can be of use on the farm or in the home. And our advertisers are reliable, too. You can safely do business with them. The best way in which one can keep up with the times and keep posted on labor-saving and profit-earning improvements, is by answering the ads in our columns. State that you saw the ad in F & H, so as to insure the best attention. A few postals or stamps used in answering the ads in each issue of F & H will pay big.

## Those Liberal Prize Offers.

Do not forget the liberal prizes offered for experiences of farmers' organizations in co-operative buying and selling. Thousands of such organizations in various forms are doing and have done good work. To write out the details of this work so as to show the benefits of co-operative effort is the object in offering the prizes. Fifty-five dollars cash, divided into 18 prizes, was offered in F & H, Oct 15. The best prize is \$15, smallest 1. If more than 18 especially valuable articles are submitted, the writers will receive a special premium, to be announced later. Let all try. Farmers' clubs, granges, alliances and unions are doing good work. It is the details as to how the work is done I am after. Announcement as to the articles in the contest will not be printed until next month. While there is yet plenty of time, it is best to get the experience of your club in early. Wherever possible, send pictures to accompany the article, writing your name on back of each.

# FARM AND HOME

Copyrighted for 1900 by The Phelps Publishing Co.

CANADIAN EDITION.

PUBLISHED

SEMI-MONTHLY

(1st and 15th of each month)

BY THE PHELPS PUBLISHING CO.

Entered at Springfield, Mass., postoffice as second class mail matter

TERMS.—50 cents a year; 25 cents for six months, payable in advance; clubs of two or more, 35c per year. New subscriptions can begin at any time during the year. Sample copies free.

RENEWALS.—The date opposite your name on your paper or wrapper shows to what time your subscription is paid. Thus, Jan 1, shows that payment has been received up to January 1, 1901, & so on to February 1, 1901, and so on. Some time is left after money is received before the date, which answers for a receipt, can be changed.

DISCONTINUANCES.—Farm and Home is continued to responsible subscribers until the publishers are notified by letter to discontinue, when payment of all arrearages must be made. If you do not wish the paper continued for another year after your subscription has expired, you should then notify us to discontinue it.

CHANGES.—Subscribers wishing a change in address must send the old as well as the new address to which they wish the paper sent.

ADVERTISING RATES.—Only 15c per square line each insertion. Liberal discount for large space, made known on application.

OUR ADVERTISERS.—It is our intention to admit into Farm and Home only the reliable advertisers, and we believe that all the advertisements in this paper are from such parties. Subscribers and any of them to be otherwise, we will esteem it a favor if they will advise us, and we will at a very early time give our personal attention to a complaint which we receive. Always mention this paper when answering advertisements in order to insure the best treatment, as well as enable our advertiser to credit Farm and Home with your inquiry or order.

THE CIRCULATION OF Farm and Home for this issue is Canadian edition, 29,650 copies. Combined editions, 300,500 copies. Several circulation statements on Farm and Home are sent to advertisers every three months and are made a part of each and every advertising contract.

OFFICES.—For the convenience of its patrons Farm and Home has offices at

SPRINGFIELD, MASS.

MONTREAL, Board of Trade Building, 304 Dearborn St., Rice Exchange, CHICAGO, ILL. NEW ORLEANS, LA.

MONTREAL, DEC 1, 1900.

## A WORD TO CLUB MAISERS: NOW IS FAVORABLE TIME FOR GETTING SUBSCRIPTIONS, AND WE TRUST THAT AS MANY AS CAN WILL GO TO WORK AT ONCE AND GET UP A FARM AND HOME CLUB.

With the approach of the long winter evenings, every farmer will begin to consider taking some good paper which will bring good cheer to his fire-side, and no paper will suit him better than FARM AND HOME. He will thank you for calling his attention to it, and we will be under lasting obligations to you.

WE ALSO want you to get the renewals of the members of your last year's club, if you sent us one as did thousands of kind friends, to each of whom we extend our most cordial thanks. Everybody knows it is much easier to induce a present subscriber who knows and appreciates the paper, to renew than to get a new subscriber. We confidently believe, from repeated experience, that at least FIFTY OUT OF EVERY FIVE of the old subscribers will gladly renew, if only asked to. A printed list of subscribers showing the time that each subscription expires, will be promptly sent you on application.

WE WILL, FOR THE FIRST TIME, the December numbers of FARM AND HOME, which will be especially interesting to all NEW year subscribers, for 1901 whose subscriptions reach us during the month. They together with our special offer of the Farm and Home Art Calendar which we give every subscriber for the coming year, to say nothing of our special premium books, such as our new and exceptional terms as stated in our Premium List, should enable our friends to secure a goodly number of new subscribers. A complete list of the many useful premiums given for clubs will be found elsewhere in this number. Should you prefer a cash commission instead of premiums, write us at once for our special cash terms. We will also send samples and everything necessary to a successful success on application.

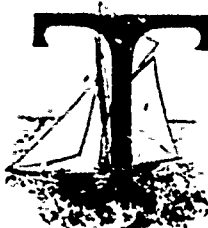
THE PHELPS PUBLISHING CO., Publishers FARM AND HOME, Montreal, Canada.

Don't Spoil the Rams—Those who have selected rams with strong constitutions descended from ancestors of the most robust and hardy character, that have never known what it was to be tested how much they could endure and still live, have the greatest chance to be rewarded for their good care by a large and thrifty crop of lambs. While fault is to be found with the practice of overfeeding stock rams, there are other mistakes that can be and are often made. Rams are often allowed to run with the flock of ewes until Aug. then separated and put in the smallest lot with the best fence that the farm affords. This lot has been used as a kind of prison for calves, hogs, or breachy horses. The soil is old and the grasses dry and tainted. The ram is weakened in every way he is uneasy, the flesh leaves him and the wool becomes dry. This is the condition that many rams are in when turned with the ewes. They are then allowed to run night and day with no feed but what a dry season and worn-out pastures afford. The man who has used a ram prepared in such a way cannot care for his ewes so as to equal his more careful neighbor in his success in lamb-raising.—[Robert Miller.

## Our Prosperous Agriculture.

### NEW BRUNSWICK FARMING.

A HIGH PROVINCE AS YET BUT SLIGHTLY DEVELOPED.



THE province of New Brunswick, from an agricultural point of view, is one of the richest provinces in the Dominion. Being situated on the sea, its shores are indented by deep bays, while the inland is beautified by numerous small streams, rivers and lakes. The principal river is the St. John which, though not navigable for large vessels for more than 100 miles from its mouth, is noted for its beautiful scenery and productive intervals land. The climate is one of the best, although the temperature reaches extreme points for short periods both in summer and winter, yet the conditions are such that for carrying on all branches of work it no doubt, exceeds the provinces lying around us.

For any great plan of immigration or colonization, there is no British colony which presents such a field for trial as New Brunswick. This was the official report of the commissioners sent out by the British government to explore a line of railway, more than half a century ago. If such a report could be made at that time, I am sure too much cannot be said from an immigration point of view at the present time. Many broad acres are now under a high state of cultivation which half a century ago were an impenetrable forest, and to-day, with railways extending over all sections, the emigrant is able to accomplish work that was unknown 50 years ago.

The land is gently undulating, without very many high elevations. The soil is rich, deep and very fertile in nearly every section and being well watered, is suitable for growing nearly every crop with a profitable return. About 1,500,000 a of land are now under crops. 1,000,000 under pasture, 500,000 under garden and orchard cultivation. The principal crops grown in 1898 were: Hay 700,000 tons, oats 5,000,000 bu, wheat 40,000, barley 109,000, rye 10,000, buckwheat 1,658,000, beans 25,000, turnips 1,000,000 and about 5,000,000 bu potatoes.

The provincial government, realizing the immense importance of wheat growing, established their now famous wheat policy, which has been the means of retaining a large amount of money that has hitherto been sent out of the province for flour. This policy was established in '98, when authority was granted the commissioner for agriculture to offer a bonus of 20 per cent of the cost of erection to persons or companies who would build and equip roller mills in sections approved by the dept of ag. Authority was also granted to make an importation of seed wheat for distribution among the farmers of the province, and in '95 and '99 3000 and 5000 bu respectively were distributed. During the last 2 yrs 13 Hungarian roller flour mills have been established with very gratifying results. The following will give some idea of the increase in the growth of wheat since '91. In that year only 200,000 bu were grown, while in '99 we have the gratifying return of 500,000 bu. The quality of the wheat grown is unexcelled, it being large and hard, and, as before intimated, with the assistance of the roller mills, is capable of making a very high grade of flour.

The counties of Carleton, York and Westmoreland are probably the best sections for growing hay and pasture grass and are equally good for the production of oats, buckwheat and barley, while for wheat production Gloucester and Kent are the banner counties. With crops such as the above lying at the farmers' command, large quantities of beef are made, the quantity increasing yearly especially in the eastern portion of the province. The production of pork, which goes hand in hand with the dairying industry, is making very rapid strides, induced largely by the increased interest which is being taken in the manufacture of cheese and butter, the by-products of which are supplemented by a grain ration and used for this purpose. Another very important feature of

New Brunswick is the home market for everything produced on the farm. The vast laboring operations of the province entail the keeping of a large number of men and horses. Then with the winter port at St. John, from which large numbers of sheep, horses and cattle are exported to the old country from the west, our market is greatly stimulated, for all these animals must be fed. Dairying is one of the most important branches of agriculture in New Brunswick at the present time and the growth of the industry during the last few years has been rapid, for in '92 only winter factories were in operation manufacturing 522,600 lbs of cheese and 31,953 lbs of butter, while this year there have been in operation 60 cheese factories manufacturing about 2,000,000 lbs of cheese, and 10 creameries, making 310,000 lbs of butter. About two-thirds of this quantity was exported to the old country, for which high prices have been obtained and highly flattering reports accompanied the returns in nearly every instance.

The principal drawback with which our dairymen have to contend is the long distance from the old country,

The new commission of agriculture for New Brunswick, Hon. L. P. FARRIS, is the only practical farmer in the government and represents a county essentially agricultural.



HON. L. P. FARRIS

Chairman of the Dairy Farm, Country and Home Land features of the agriculture of the province

which is our principal market. While the cheese sent over is not materially damaged, the exports of butter do not fare so well, although transportation facilities have been very much improved during the last 2 or 3 yrs. and as the dairying industry is advancing all over the Dominion, we are looking for a corresponding advance in shipping facilities. The province of New Brunswick is particularly adapted for dairying. We have a country notably well watered and a more moist and cooler climate than many parts of the world. Our pastures are fresher, and, when properly looked after, will produce more per acre than those farther west of us, while the land under cultivation is capable of producing large crops of choice milk producing foods.

Notwithstanding our winter and about 7 months compulsory stable feeding, facts go to show, as already stated, that New Brunswick can produce as cheap an article of cheese or butter as cheap as any other country. When we come down to beef production we are compelled to admit that the Canadian Northwest, the western plains of the United States and the great natural pastures of South America can produce it more cheaply than we can. Nevertheless, the New Brunswick farmer recognizes the fact that beef can be very profitably raised from cheap foods, such as fodder, turnips, oats, buckwheat, etc. of which we have abundant crops. We can report fair progress in the beef raising industry, especially in the eastern portions of the province, where thousands of acres of marsh land are available and suitable for this work.

The cultivation of apples is increasing very rapidly from year to year, especially along the St. John valley district, which is about the only fruit raising district of the province, the soil being particularly well adapted for the growth of apples. Few orchards are as yet extensive enough to produce very large quantities of any one variety, excepting the New Brunswick, which loses its flavor very quickly after being picked. Winter varieties, such as Bishop Pippins, Fameuse and Ben Davis, are being grown quite extensively in some sections and more attention is being given to orchards than was previously devoted to them. The cultivation of small fruit, such as strawberries, raspberries, currants and gooseberries, is also on the increase, especially in the vicinity of towns and cities. This in-

dustry might be considerably increased with advantage both to growers and consumers and it might be considerably increased on the farm for home use.

### OUR CHEESE INDUSTRY.

The value of Canadian cheese exported in 1898 was \$16,950,000, in 1899 \$19,556,000 and this year it will reach very nearly \$25,000,000. The outlook for winter dairying throughout the country was never better than at present, so we expect an increase in exports right along. If we can only get all our butter and cheese factories improved so that we can control the temperature and turn out an even quality of fancy goods, having all our makers that expect to stay in the business become thoroughly competent, you will be surprised at the extension we can make, and the prices we can get for our goods. The day for selling ordinary butter and cheese is past. Everybody wants fancy goods, and it is our business to see that we have exactly what our friends want. Let us unitedly say to-day that we shall put our factories, and especially our curing rooms, in first-class condition, and have our makers attend one of the excellent dairy schools, so generously provided by our government, and be in a position for making a decided advancement in the quality of all our goods.—[D. Derbyshire, Brockville Co, Ont.

### EFFECT OF A HIGH TARIFF.

This can be no better shown than in the export of Canadian eggs, our trade in this product the past 10 yrs having very nearly changed its base from across the line to across the water. The McKinley tariff, which went into effect Oct 6, '90, struck our egg trade hard, at that time egg exports going almost entirely across the line.

#### OUR EGG EXPORT TRADE.

Year	Total In dz	To G B	To U S
1890	12,829,620	3,600	12,825,735
1891	8,022,935	649,476	7,354,235
1892	7,931,204	2,987,655	3,918,015
1893	6,805,432	4,104,632	2,664,942
1894	5,141,586	3,449,243	1,611,881
1895	6,500,817	4,184,271	2,258,518
1896	6,520,678	5,557,725	\$94,989
1897	7,476,636	6,939,496	479,258
1898	10,369,596	10,250,466	38,643
1899	9,652,512	9,564,220	45,029
1900	10,131,312	10,109,385	21,929

All Special Business Privileges should be done away with and the initiative and referendum system of legislation adopted. This would give farmers and all other industrial people an opportunity to apply themselves to the production and enjoyment of wealth. What we want is not gold, but happy homes made delightful in the presence of plenty and companionship of a free and enlightened people. Industry and economy are national virtues, but industry carried to the extreme is slavery, and economy may become worse than poverty when it forbids charity and fosters an all grasping greed. It is this better education on reform lines that the farmers of Canada most need today to raise them to higher planes of life, to broaden their horizon and strengthen their faith.—[G. H. Turner, New Westminster Co, B. C.

How Drainage Pays—I have had the cost of drainage returned from the first crop. We underdrain our moist, heavy clay and two rods apart. It cost \$30 p a, but I think I can drain it now for 25. If tiles are well laid they will last for years. An inch to the rod is decline enough. We use round, glazed tiles and pay about 55c p 100 ft of ditch. [D. E. Smith, Ontario Co, Ont.

The Object of Cold Storage—We have had in recent years fruits of all kinds out of season, and at prices within the reach of most people. The economic problem is not to secure a high price for a small quantity, but an average price for a large quantity.—[F.

Visit successful farmers. Seeing things done is much better than reading about them.

The American Leicester breeders' assn meets at city hall, Guelph, Ont, Dec 13.

Among the Farmers.

[Now that crops are harvested and many being sold and rapidly delivered, brief, newsy statements on the results of the season's work are welcomed for this page. There is always more or less of interest in every section pertaining to live stock; notes of interest to stockmen and feeders will also be welcomed. Farmers' institutes, fairs and clubs have come. Farmers' institutes, fairs and clubs have now started in earnest, and short, pithy accounts of these meetings are always of interest. New ideas and short cuts in farm economy are always being sought out by hustling farmers; when you catch a new idea, write it out and send to the editor. We have room for jottings of this nature from every province.]

BETTER TIMES IN QUEBEC.

Farming in Stanstead Co is of the mixed variety. Timothy and clover are the principal grasses grown. This year's crop was an average one as regards quantity, but owing to wet weather was not cured and stored in as good condition as usual. The grain crop was harvested in good condition, the most of it having been threshed on an average clear, oats yielding about 60 bu p a, barley 45 and mixed from 60 to 70. Potatoes were a fair crop and very little rot.

The condition of farms and farmers has improved very much in the past 5 yrs, owing in a great measure to the improved methods of farming. This has been brought about by the reading of agricultural books and papers, which has awakened an interest and strife for improvement heretofore unknown. Corn for fodder is extensively grown and has proved of great benefit not alone as a fodder, but in bringing up the farm to a higher state of cultivation. The steady advance in the price of butter and cheese has encouraged the making of a superior article put up in a neat, attractive package, and put on the market in as good condition as when it leaves the factory.

Sheep raising is beginning to claim attention. A few years ago a buyer of lambs would select the best, leaving the farmer the inferior ones to breed from, so that in a few years the flock ran down and became unprofitable. This is now being reversed, the farmer first selecting the lambs he wishes to keep for breeding and selling the balance. Already a marked improvement in breeding horses and cattle for purposes for which they are intended was quite generally taken up some 4 or 5 yrs ago, and the results have been very encouraging. The price of land, which was depreciating or at a standstill, has taken an upward turn and is steadily advancing. The feeling of farmers in this section is very hopeful in regard to the future and they are looking forward to still greater prosperity and advancement, to which they, as hard working tillers of the soil, are entitled. [E. H. Heath.]

BETTER HORSES NEEDED.

There are some fairly good horses in the country, but the general stock of horses are not what is demanded at present. In the early settling of this section the patient ox did all the heavy work and a small sized horse was all that was wanted, and there was good hardy stock of that kind, such as filled the bill and supplied the demand of the times very well. These could be kept in good working condition at small expense, which is very important in all farmers' teams.

Then there came a time, especially among the young men, when something fast was wanted and with small regard to size or form, anything that claimed to have speed was patronized by breeders. This stock soon filled the country with an inferior class of horses, lacking weight and many of them lacking speed and durability. Either from lack of economy and care in the teamster, or a defect in the constitution of the horse, the cost of feeding was much increased, needing more grain to perform the same labor as the pioneer's horse.

For the last few years a great change has come over the community in regard to the class of horses needed. A few still prize the sporting horse, but a large number of the more economical and intelligent are trying to raise a horse that will fill the demand of the market best, since the introduction of mowing machines, horse rakes, reapers, binders and seeders. The horse from 1000-1400 lbs is what is wanted on the farm. There is not much call for 800 or 900-lb horse at present. They seem to belong largely to a past age

and we are called upon to keep up with the age in which we live, in horses as well as implements, if we expect to be useful and independent members of society, and I think a large majority of our farmers are on the right track and hope they will follow the beat until each farmer can look on his team with pride and satisfaction and be able to do his farm work in good shape and be able to put his young and spare horses on the market with profit to himself and satisfaction to purchaser.—[J. McGeorge.]

ROTATION OF CROPS PAYS.

A system of rotation of crops should be so arranged as to economize the natural supplies of fertility contained in the soil. Different crops feed upon different soil ingredients, or at least they require these ingredients in varying quantities. A proper succession of crops brings all the elements of plant food into use and hence prevents any of these from lying idle and being wasted, as for example, by being carried away by water in its constant percolation through the soil.

Rotation economizes applied manures by making use in due time of all their fertilizing ingredients. When fertilizers are applied to a soil, it will generally happen that any one kind of crop will not be able to make use of all the elements of plant food which they contain, and the more general these fertilizers are in their character the less will be the capacity of any single crop to use all their plant food components.

A rotation tends to enrich the surface soil. This is owing to the variety of modes in which plants obtain their food. Some plants draw large supplies of their food from the air, while others gather much plant food deep down in the subsoil. But by the decay of rootlets and their consequent change to soil and for the reason that much of the plant food contained in crops is returned to the soil again as manure, it follows that the surface soil, when under proper cultivation, is being constantly enriched.

A regular succession of crops is helpful in keeping the soil free from weeds. The rotation adopted usually embraces a hoed crop, which, if thoroughly cultivated and kept free from weeds, will aid very much in freeing the farm from that pest.

A rotation of crops improves the mechanical texture of the soil. When sod or green crops are turned under, an ameliorating effect on the soil is sure to follow.

The increase of destructive insects is hindered by a rotation of crops. When but one kind of crop is grown, the conditions favorable to the growth of the insects which feed upon that crop are continued unchanged from year to year. But when another crop is sown and cultivated, the conditions are changed. The insects which the former conditions favored are more or less destroyed.

Rotation is necessary for the economical feeding of live stock. In the keeping of live stock, it is necessary to feed them with a variety of crops, and it will be seen that these can be grown more cheaply when a proper rotation is observed than would be at all possible otherwise. The length of time required to complete a course of rotation is governed by the kind of crops grown and the amount of land used.—[H. J. Weld.]

Ontario—Goderich, the county town of Huron Co, is located on the shore of Lake Huron and has a good harbor and two good elevators, which handle a large quantity of grain. A very fine farming country adjoins the town. The grain crop was very good this year; quite a number have reported 40 to 50 bu wheat p a, and one quite near town has grown 56 bu p a. Hay a fair average crop. Fruits were good, but our crop of winter shipping apples is the poorest we have had for many years. All kinds of stock bring good prices, and our farmers depend more on this product of their farms than on grain growing. Garden produce was very good. I had three squashes that weighed 343, 322 and 313 lbs each, and citron 36 lbs, egg plant 5 lbs; water-melons and musk-melons were very fine; tomatoes and corn were also very good. Grapes were extra good; I have 40 varieties fruiting and they all do well with a little winter protection. We are having the finest fall season that we have ever had. There had not been

frost enough to kill the hardier flowers up to Nov 5, chrysanthemums, asters, carnations and many others were in all their beauty, although they are usually killed in early Oct. Raspberries have a large amount of bloom on and berries nearly grown now.—[W. Warnock.]

Nova Scotia—Potatoes and other roots were a good crop in Colchester Co, but too much rainy weather caused a loss of potatoes on flatland before being harvested. Fruit was a good crop, but sales have been dull. Late Oct and early Nov were fine weather, with a clear sunshine, giving a good opportunity to plow and do other farm work, which has been used to good advantage. Although the harvest was encroaching somewhat seriously on fall labor, a short time longer of fine weather and the fall work will be pretty well done up. The hay crop was good, being a full average and having favorable weather. It was housed in good condition. Grain was a very fair yield, the straw at least was up to a full average, but some of the grain is not turning out well at the thresher. There was a great amount of rainy weather during late Sept and early Oct, which made it very hard to get the grain harvested. Some of the late grain was hurt by rain before being secured.

Helped by Gas Engine—My 5 h p gasoline engine, worth \$250, does the power work on the farm. I can get along now with one team less, because this engine does all my grinding, drives the ensilage cutter summer and winter, does the churning and the pumping. It is always ready to start and costs about 2c p hour to feed it. [H. C. Taylor, Elgin Co, Ont.]

Will Represent Farmers—By the recent election at least one strong, able Canadian farmer will be sent to parliament, with the courage of his convictions. Running as an independent, in a district where party bossism had become rotten, Jabel Robinson carried the day against both liberal and conservative candidates. Although nominated late, Mr Robinson's strong personality, ability and high standing carried him through with but little electioneering. Mr Robinson made a strong speech in accepting his nomination and will work for several reforms so much needed by farmers. He has been actively identified with farmers' organizations from boyhood, and being a practical farmer as well understands their wants.


Rotation prolongs the producing power of the land. Grow wheat only, or corn, and the soil in time will become exhausted of its nitrogen content, but grow clover or some other legume in some kind of alternation with these crops, and the nitrogen depleted by the wheat or the corn is restored by the clover. Even though legumes should not be grown, when other crops alternate some of them draw more heavily on the nitrogen than others, others draw more heavily on its content of potash, hence, though there should be no attempt to restore the fertility of the land, it will take a considerably longer period to deplete the soil of its fertility than if only one crop were grown.

Dry Sawdust makes an excellent absorbent and will not injure the land unless too much of it is put on.—[T. B.]


200 BU. A DAY with the OTIS BALL BEARING No. 2 MILL. Grinds all corn and other grain, fine or coarse. Grinds faster than any other 2-horse mill made, because burrs are 2 1/2 in. in diameter, and improved shape to draw the grain down into them. Falls easier as it runs on a series of 1/2 in. ball bearings. This is the largest 2-horse mill made, but our price is low because we have no agents. Would it with a binding guarantee to grind twice as much as most others and more than any other 2-horse mill made of any size burrs or any construction. TRY IT. If it don't do as we say return it at our expense. SWEEP CLEANED MILL of new pattern, right style of crop, 2-horse, 5 1/2 ft. and up. Our best catalogue—price \$1.00—will be sent free on request. Marvin Smith Co., 11-15 N. Jefferson St., Chicago, Ill.

Custom Grinding makes a grinder that will do all kinds of work. The Quaker City Grinder No. 31 is a double grinder, grinds 1700 at one operation, grinds corn and cob, all small and mixed grain. Makes hot meal, corn meal and Graham flour for family use. Sold on trial—guaranteed, and cannot be sold for less. A. W. Beach & Co., 575 1/2 St. Paul, Pa. The A. W. Beach Co., 575 1/2 St. Paul, Pa. Sole Western Agents for "Quaker" Power, Shelton, Ontario, etc. For making Gasoline, non-explosive, safe, clean, and no trouble. 100. BOX 76, Aurora, Ont., Can.

ONCE IN A LIFE TIME is often enough to do some things. It is often enough to buy a wagon if you buy the right kind. The  ELECTRIC HANDY WAGON looks that long under ordinary conditions. First the life of a wagon depends upon the wheels. This one is equipped with our Electric Steel Wheels, with straight or stagger spokes and wide tires. Wheels any height from 24 to 60 inches. It lasts because there can't get loose, no re-setting, hubs can't crack or spokes become loose, follows car's 1st, 2nd, 3rd or 4th dry out. Angle steel beams. THOUSANDS NOW IN DAILY USE. Don't buy a wagon until you get our free book, "Farm Savings." ELECTRIC WHEEL CO., Box 69, Quincy, Ill.

The New SMALLEY Cutter Why? Because 1st—You will save 20 to 50 per cent in actual feeding cost by cutting or shredding all dry fodder fed to stock. 2nd—You secure equal ratio of grain in dairy products. Our Cutters have patent Adjustable Self Feed, also Corn Shredding and Manure or Husking Attachments and solve at once the problem of corn field economy. Booklets "Bills of Sale," catalogues and literature prices free to any one sending this paper. Our Adjustable Wind-Carrier will be supplied on all machines if desired. Write us any quantity, any distance, any direction. BEST Bilo Cutter on earth.  Pays as Big for Dry Fodder Cutting as for Silo work. We also manufacture Grinding Mills, Ear Corn Crushers, Drag & Circular Saw Machines, Root Cutters, Corn Shellers. Powers for Operating.

STEEL ROOFING THE ONLY TOOLS YOU NEED.  5000 Squares BRAND NEW STEEL ROOFING Bought at Receivers Sale, sheets either flat, corrugated or "V" crimped. Price per square of 10 x 10 feet or 20 square feet. No other tool than a hatchet or hammer is required to lay this roofing. We furnish FREE with each order sufficient paint to cover, and nailsto lay it. Write for Free Catalogue No. 27 of general merchandise bought by us at RECEIVERS and RECEIVERS SALES. "Our Prices are ONE-HALF of others." CHICAGO HOUSE WRECKING CO., West 35th and Iron Sts., Chicago.

PULL THE TRIGGER  Three Loads in One. Wrench, 3 inch. Takes off burr, holds up wheel, opens all when you pull trigger. Works better, all kinds of work. No. 1 without making the hole. Best oiler of the age. Send 4c in stamps for complete and special terms to agents on this and other reliable articles. Y. R. PORTER COMPANY, Productors, Ill.

\$\$\$\$\$\$\$ COUNT Inferior Salt means a loss in dollars when used in butter or cheese. Windsor Salt makes it sweet, keeps it fresh, brings higher prices. TRY IT.

WANTED—TWO MEN (Farmers' Sons Preferred) with fair education to work in an office. \$500 per year; steady work; first to over 21 years of age, and able to give good security. Personal interview necessary. Apply in writing, giving full particulars. THE VETERINARY ASSOCIATION, London, Canada.



### Canadian Horticulture.

#### EXPORT OF TENDER FRUITS.

FOR some years past the Dominion dept of agri has been making experiments in the interests of fruit growers for the development of an export trade with Europe of our more tender fruits, such as summer apples, pears, peaches and grapes. Great difficulties have been encountered in the carrying out of this work, owing to the unsatisfactory accommodation for cold storage of fruits on ship-board. The compartments are too large for trial shipments of fruit only and had to be filled up with butter, eggs and other produce for which the temperature was often held below freezing point. As a result many of our first attempts were failures, because the ship engineer failed to keep anything like an even temperature and the fruit suffered in the interests of other produce. Finally, however, at great expense, the dept of agri succeeded in getting from the steamship company a guarantee that they would hold the fruit between certain specified limits of temperature. With this condition secured, the later shipments have proved quite successful and we have been able to land pears, and even peaches, in fair condition in Great Britain.

It is evident, however that varieties usually grown for our Canadian markets are entirely unsuitable for export purposes, and we must turn our attention to varieties which have the following four points of excellence, which are important in the order named: 1. Carrying qualities; 2. appearance; 3. size; 4. quality. Given these four points, we may count upon working up a successful business in the export trade, provided the grading and packing is properly attended to at this end of the line. This important provision, neglected, the whole thing will be a failure.

The export of grapes, however, is a much more uncertain enterprise as yet. The first experimental shipment consisted of several carloads of Concord and Niagara grapes, the varieties usually grown in our country, and which so often glut our home markets. For this reason it was most desirable to open up an export market for these varieties and thus advance the market price for them so that the growing of them would still be profitable. Unfortunately, these varieties were not well received by the English people. One English receiver reported that the flavor was very distasteful, and the return for these varieties were not sufficient to pay the freight charges, let alone the packages and the fruit itself. Besides this these varieties are too tender to carry a long distance and when received not only were the skins broken, but the berries rattled off the stems very badly, making them very unfit for an Englishman's dessert table.

In the fall of 1899, the writer recommended to the Ont dept of agri that an experiment be made with our best Rogers grapes, and that these be the only kind sent forward in a trial shipment. Since Ont is the province most interested in the export of grapes, the Hon John Dryden, minister of agriculture, considered it quite proper that he should make a special effort to encourage this work, and a shipment of some 500 cases was sent forward to Manchester, Eng. The cases were flat, about 5 in deep and 24 in long, each containing four 5-lb veneer baskets with wire handles. At first the buyers looked with great suspicion upon these Canadian grapes after having been prejudiced by the Niagara and Concord class, but by and by the costermongers were induced to take them out on the streets of Manchester, and after disposing of the first lot at very low prices, they came back willing to pay a higher price for a second supply. The consignees wrote that it was their belief that if a constant and regular supply of Canadian grapes could be placed in their hands that eventually paying returns would be realized.

During the fall of 1900 further efforts have been made in the direction of developing the export of Canadian grapes by both the Dominion and the provincial departments of agriculture. Another package was also tried in addition to the one tried last year. This was a crate containing 12 4-lb baskets, each provided with a wire handle and a neatly printed cover. Some of these were sold by auction and some by private sale. The first shipment brought

only about 1 1/2c per lb, less money than these grapes were worth in our own vineyards, but a later shipment brought about 4c.

The conclusions we draw from the experiments so far made are that, if continuous shipments of our grapes can be made to the British markets they will soon command satisfactory prices and prove a fine outlet for some of our best varieties. Of the varieties tested those which seem to carry best are Salem, Lindley and Wilder. In packing for export, it is very important that the grapes should be gathered a couple of weeks before they are packed in order that the stems may be thoroughly dried and thus prevent mold on the journey. If this precaution is not attended to they will shrink so much after packing that the packages will seem to be improperly filled. An undertaking of this kind is one which no individual can carry out unaided, but some of the more interested fruit growers, members of the Ont fruit growers' assn, have interested the dept of agri in this export trade, and we hope the work will not be dropped until it has been pushed forward to a successful issue. [See L. Woolverton, Ont Fruit Growers' Assn.]

#### HINTS ON THE GOOSEBERRY.

The gooseberry has been among the least popular of the small fruits grown in America, while in Europe, especially in Britain, no fruit is more generally used by both rich and poor. Since more attention has been given to the improvement of our own native varieties, this fruit has grown rapidly in favor if size is everything then it is no wonder that we prefer to accept the improved varieties of Europe rather than go through the long process of improving our own sorts.

By cultivation and selection the single European variety, Uva crispa, which is infinitely inferior in size and quality to our native varieties, has been improved in size and quality until the present English gooseberry, so-called, is the result. In size some of these varieties rival the finest plums and in quality are scarcely inferior to the peach. It is no wonder then that we should prefer to test all these improved varieties (no small task either, for their name is legion). In the hope of finding one or more suitable to our soil and climate, rather than go through the long process of improving our own, though our own are apparently far more improvable than the European variety.

After years of experimenting, during which time some 60 European varieties and all their direct seedlings have been tested, I am satisfied that our future gooseberry will be an improved native variety. The European may be used as a cross upon our own, as in Pearl and Red Jacket. It is not their susceptibility to mildew alone that makes the foreign variety unsatisfactory in this country, but also a lack of vigor. Many of the English varieties sent here for testing do not produce wood enough to keep alive.

The most vigorous of the 50 varieties obtained from England 5 yrs ago the Green Chisel, has made at the best 6 in of wood (by this expression suckers are not meant but branches) while Red Jacket set at same time made 2 ft. The Green Chisel was loaded with fruit this season (six bushes), splendid fruit still the yield was only 1 qt to the bush, while Pearl, Red Jacket and Champion gave from 6 to 8 qts and were not so heavily laden according to size of bush. In my opinion this Green Chisel will make a splendid cross on either Pearl or Red Jacket and shall try to get a cross another season, for we can almost set it down as a settled fact that the greater the vigor the less the liability to mildew, although some seasons the Downing will be attacked with this fungus and even the wild borrie.

There are two ways in which foreign varieties may be most quickly acclimatized. By growing young bushes, seedlings, from seed, and the seed fertilized by the pollen of the same variety or some other foreign variety; by propagating from suckers. Take White-Smith for example. This variety has been grown in Canada for many years and it is almost as vigorous as Downing; at least nothing that we have received from England approaches it in vigor. It often makes 15 in of wood. Again some of the seedlings are fine growers, Columbia and Autocrat for ex-

ample. The gooseberry is more difficult to propagate than the currant.—[Stanley Spillett, Shincoc, Co, Ont.]

#### FOREIGN DEMAND FOR APPLES

is fair but not urgent. Europe ought to take 3,000,000 bbls or upward from the U S and Can, but must buy at a faster pace than up to this time to make the total before close of the season. Dealers in the U K, Germany, Belgium, etc, report a fairly good demand, but say the trade there believes we have a big surplus and objects to high prices, unless quality is exceptionally fine.

As in former years, there is the old complaint of faulty packing, and this injures the trade. The home markets are hardening, somewhat and growers in the commercial apple sections, N Y, Mich, Pa, Mo, etc, are getting little better prices.

**Novn Scotia Fruit Growers' Assn** does not offer money prizes, but handsome cards of award. The annual mid-winter meeting is well attended and the exhibits most attractive. This winter's exhibit will be held in late Jan and under the following classes: Best exhibit of apples grown on one farm, one plate each variety, five sorts, grown on one farm, one plate each, best exhibit of apples, not less than 10 sorts, from any county west of Halifax (Hants, Kings and Annapolis excluded), best exhibit of apples, not less than 10 sorts, from any county east (including Halifax), but excluding Hants, Kings and Annapolis, as above; best plate Baldwin, best plate Banks, best plate Blenheim, best plate Ben Davis, best plate Fallwater, best plate Golden Russet, best plate Gravenstein, best plate King, best plate Nonpareil, best plate Ribston, best plate R I Greening, best plate Spy, best plate Stark, best plate Wagner; new and promising commercial apple, not in above list; new and promising table apple, in season, not in above list; appearance and quality to count; collection winter pears, grown on one farm; plate of pears, plate of quinces, plate of cranberries, collection of cranberries, named varieties, collection of fruit in glass jars, preserved for table use; collection of fruit in glass, preserved for show alone; exhibit of evaporated fruit.

**Feeding Apples**—I should not at first feed more than 4 qts at a feed twice a day, but increase gradually. I have fed them until each cow received 1/2 bu. Sour apples are no more injurious than sweet.—[E. E. Smith, Onondaga Co, N Y.]

**There Is Nothing that will help more to relieve drudgery in the kitchen and to render the preparation of meals an actual pleasure, than the Enterprise meat and food chopper.** Every housekeeper should have one at her command. It will enable her to add greater variety to her table, to save time in the preparation of almost every meal, as well as to prevent the waste of many dollars' worth of food. A book entitled **The Enterprising Housekeeper**, containing 200 recipes, has been issued by the manufacturers. Anyone may obtain it by addressing the Enterprise Manufacturing Co of Philadelphia, Pa, inclosing four cents in stamps and mentioning Farm and Home.

**SAVE FEED.**  
Food is fuel to the animal economy. It is burned up to supply internal heat. If it is heated (cooked) before it goes into the animal's stomach it saves that much fuel (feed).  
**Electric Food Cookers** save feed, save money and produce better results. Made of best cast iron with steel lining; boiler made of extra heavy galvanized steel. Capacity 15 to 100 gallons. Circular and price free.  
Electric Wheel Co., Box 34, Celacy, Ill.

**Saw Mills,** Four-horse power and larger; Shingle Mills, Planers, Edgers, Lath Mills, Grinding Mills, Water Wheels, Rolling Presses, Etc. Our Saw Mill cuts 2,000 feet per day with 4-hp. Variable Friction Feed, Friction Set Works and Champion "Duplex" Docs; ahead of all others; the only Saw Mill sold all over the world. Send for large catalogue and state just what is wanted.  
DELOACH MILL M'FG. CO., Box 236, Atlanta, Ga.

**I Can Sell Your Farm**  
of country property no matter where located. Send description and selling price and learn my successful plan. W. H. Crawford, 1215 Filbert St., Phila., Pa.

## Rheumatism

No disease makes a person feel older. It stiffens the joints, produces lameness, and makes every motion painful. It is sometimes so bad as wholly to disable, and it should never be neglected.

Elsie B. Kirk, Box 347, Montezuma, In, had it in her hips and limbs so that she could not sleep; Mrs Hattie Turner, Bolivar, Mo, had it so severely she could not lift anything and could scarcely get up or down stairs; W. H. Shepard, Sandy Hook, Ct, was laid up with it, was cold even in July, and could not dress himself.

According to testimonials voluntarily given, these sufferers were permanently relieved, as thousands have been, by

### Hood's Sarsaparilla

which corrects the acidity of the blood on which rheumatism depends and builds up the whole system.

Hood's Pills cure constipation. Price 25 cents

### 9 CORDS IN 10 HOURS

**REBUILT MACHINERY**  
and SUPPLIES at Bargain Prices. Largest Machinery Depot on earth. We buy buildings and plants; among others we bought the World's Fair, the Omaha Exposition, the Chicago Post Office, and other structures. We rebuild machinery of all kinds, and sell with blinding guarantees. A few from 400 up. Prices from \$15 up. Steam pumps of General Supply Co. carry complete stock of PUMPS, BELTING, SHAFING, HANGERS, PULLEYS, IRON PIPE, IRON ROOFING, HARDWARE, VALVES & FITTINGS, LUMBERING MATERIAL, etc. We buy and sell entire stocks of machinery and receive sales. Chicago House Wrecking Co., W. 25th & Iron Sts., Chicago, Ill.

**SEND NO MONEY** if you live within 500 miles of Chicago, (if further send \$1.00). Cut this ad. out and send to us, and we will send you this **NEW PORTLAND CUTTER**, by freight C. O. D., subject to examination. You can examine it at your freight depot and if found equal to any other cutter we will return you the **FREE ROBE ROBERT**, and one of the handiest, strongest and most stylish cutters you ever saw. Pay the freight agent our **\$16.95** Special Offer Price. Freight and charge (if \$15.95) sent with order.)  
**THIS IS THE LATEST STYLE FULL SIZE PORTLAND CUTTER.** MADE from selected second growth Hickory, brood throughout with best Norway Pine. Highest best grade head and blades. BODY made of best re-seasoned outer stock, solid panels, all joints carefully fitted, glued, screwed and plugged. PAINTED in best possible manner, thoroughly rubbed out with pumice stone, highly polished, neatly striped and ornamented. UPHOLSTERED in best style, full spring removable cushions, heavy dark green and gold cloth. FITTED with best and finished about 125 pounds. **CUTTER NOW. DON'T WAIT FOR SHOW.** \$16.95 is actual manufacturing cost, less than dealers pay wholesale. **DON'T DELAY A DAY.** Write for Free Cutter Catalogue. Address, **SEARS, ROEBUCK & CO., CHICAGO, ILL.**

**...HOME... PORK MAKING**  
The Art of Raising and Curing Pork on the Farm.  
A complete guide for the farmer, the country butcher and the suburban dweller, in all that pertains to hog slaughtering, curing, preserving and storing pork product—from scalding vat to kitchen table on a dining room.  
By A. W. Fulton, commercial editor of American Agriculturist and Orange Judd Farmer, assisted by pork specialists in the United States and England. There are chapters on pork making on the farm, finishing off hogs for bacon, slaughtering, scalding and scraping, dressing and cutting, lard, pickling and barding, care of hams and shoulders, dressing bacon, smoking and smoke-house, curing bacon and jams, side lights on pork making. The many recipes for cooking and serving pork are the favorite dishes of the best cooks. Fully illustrated and substantially and handsomely bound. Price, postpaid, 50 cents.  
**ORANGE JUDD COMPANY, 57 Lafayette Place, New York, Marquette Building, Chicago.**

Dairy and Creamery.

A BIG OX.

Among the attractions at several N E fairs this fall was the giant ox, Jerry, exhibited by J. D. Avery, Franklin Co., Mass. He measured 15 ft 11 in from



JERRY, THE GIANT OX.

tip to tip, stood 17 1/2 hands high and weighed 4365 lbs. A pure bred Holstein, and well built, he is one of the handsomest oxen ever exhibited.

LEARNING TO MILK.

"Train up a child in the way he should go, and when he is old he will not depart from it" is as true of practical everyday duties as of lessons in morality, etc. A duty often neglected by many farmers is that of properly training the boys to milk. This includes something more than the simple operation of drawing the lactical fluid, although it is an art, and probably not more than one in 10 persons are experts, that is, thoroughly understand the art and practice it in a scientific manner. The child in training should be old enough to understand the responsibility, should be neat as possible as to clothing and especially as regards the hands. A few lessons on this point of personal cleanliness will instill right ideas, especially if demonstrated in the habits of the teacher. Theory and practice ought to go hand in hand here.

Next in importance, he should be taught to properly care for the cow; should see that the udder is free from all dirt and if soiled to remove by bathing in tepid water and wiping dry before beginning the operation of milking. If the udder be clean apparently it should be well brushed to remove loosened hair, scurf, etc. The temper or temperament of the cow submitted to his hands should be understood also. If of a nervous disposition he should be taught to soothe and conciliate, when she is taken with one of her "moods." Instead of trying to coerce with blows, always remembering that it is only the simple justice and mercy which a higher organism should show toward a lower, to do so—besides, being a matter of profit and loss. A cow will not do her best under coercion. She may be made to behave better, but that is as far as your authority can go. Nature will outwit every time, and the proper flow will be withheld until she gets into better humor.

Many cows are yearly ruined through fear caused by improper treatment. Do not send your boy to take his first lessons in milking of the hired man, unless you know him to be well trained in all preliminaries: ten to one he will march direct from the stables of a morning with clothing full of indescribable suggestions, and as a necessary preliminary, fill his mouth with tobacco before beginning operations. If possible, the girls should also receive instructions from one competent to give them. The best milker we ever knew was a woman. It was a positive pleasure to witness her performance. The rhythmic flow as the hands rose and fell was enjoyable as music, while all the movements were graceful. Farmers,—for to this class the world looks for its supply of milkmen—see to it that the next generation of milkers understand their business.—[Mrs John Rockwood, Chester Co., Pa.]

Don't starve the calf; you can't afford to let it stop growing a minute.

FRAUD IN EXPORT BUTTER.

A new trick of the oleo outfit is said to be as follows: A tin package has been adopted for the export trade. It had a double cover, the upper one of which is stamped plainly with a word to indicate that the contents are not genuine butter. The side of the package is stamped with some such phrase as "strictly pure." When the ill-fated package has passed the internal revenue inspection the outside lid is removed—perhaps to be shipped back to the factory and used over again—and there appears another cover bearing the stamped word "butter." This package goes abroad and its contents are sold as American butter. When the fraud is disclosed, as it inevitably must be in season, consumers and dealers alike are filled with indignation against the entire American creamery trade and the market for even the purest butter from these shores is destroyed. The problem of fighting the oleo fraud is hard enough to solve on a domestic basis without having the foreign market closed to the products of the dairy through the wiles of the imitation butter makers. The only way to down the oleo outfit is to demand the enactment of the Grout bill, which comes up in congress Dec 6. Write your congressman at once.

A Valuable Cow—I have a brown Jersey cow 8 yrs old that has never been fed heavier than 2 qts bran and middlings mixed. Pasture this season was very poor on account of severe drouth. Cow came in Feb 28, raised calf, which sold for \$20, furnished family with all the milk, cream and butter we wanted (we eat little meat, but lots of cream and butter). Have sold 205 lbs butter at an average of 20c, \$41; have on hand, Nov 22, 25 lbs worth 25c, 7, received for calf, 20; after furnishing family have sold 68 for 8 mos and 22 days; is due to come in Jan 8. Nov 5 had milk tested. She gave at morning 10 lbs that tested 9 per cent butter fat. This morning State Inspector Kibbie saw her milked and tested same; test gave 5 qts, solids, lactometer 110, butter fat 9.6-10 Babcock test. Now who can beat this record? Ira S Crandall, Cortland Co., N. Y.

The Big Fat Stock Show at the East Liberty stock yards, Pittsburg, Pa, was one of the best ever held in Pa, over 1000 prize animals being entered from all parts of the country, which included a large number of prime well fattened stock. The banquet was attended by 540 cattlemen, representing nearly every live stock center of the country. Premiums aggregated \$2250 and in some classes competition was hot.

Winter Dairying will do more for the material welfare of farmers than anything of which I have knowledge. [Commissioner J. W. Robertson.]

Frosty Cheese—Frost-bitten grass produces thin, poor milk, which in turn will make salty cheese. Bad feed will make bad milk, bad curd and bad cheese every time.—[G. E. Newell.]

CREAM SEPARATORS

De Laval "Alpha" and "Baby" Separators First—Best—Cheapest. All Styles—Sizes.

Prices \$50. to \$900. Save \$10 - per cow per year. Send for Catalogue THE DE LAVAL SEPARATOR CO.

RANDOLPH & CANAL STS., CHICAGO, ILL. CORTLAND STREET NEW YORK.

Best Out of Four. NEW HARTFORD, CONN., July 25th, 1890. "I am the cream gatherer for this section. On my route there is used the Empire, United States, De Laval and Bell Separators. For light running, simplicity and beauty of design, the REID HAWK HAYTON is taking the lead." HARRIS ROOP. Test it yourself. Write for Separator Book. A. H. REID, PHILADELPHIA.

SHARPLES Cream Separators are the standard of excellence. As they were first, so have they always been kept—best and cheapest. Their unrivaled simplicity, efficiency and durability, make them the only separators which can be used successfully in the MOODY SHARPLES SYSTEM of farm Cream Separators. This system and the Sharplese Separators are putting dollars in place of dimes into the pockets of the creamery men and dairy men. Send for Free Pamphlet No. 68 P. M. SHARPLES, West Chester, Pa. THE SHARPLES CO., 25 So. Canal St., Chicago, Ill.

AMERICAN Cream Separator. We do not make extravagant claims. We let you test it for yourself and demonstrate its superiority. \$65. Awarded Medal at Paris Exposition in 1900. Send for catalog. It is free. AMERICAN SEPARATOR CO., Box 1088, Hainbridge, N. Y.

For All Lame Horses. KENDALL'S SPRAIN CURE. Cures without a blister as it does not blister. As a liniment for family use, it has no equal. Price 25c, 50c for 96. Ask your druggist for Kendall's Spavin Cure, also "A Treatise on the Horse," the book free, or address DR. R. J. KENDALL CO., ENOSBURG FALLS, VT.

SAVE THE MONEY. Buy your wheels on wheels and buy your wheels in the cheapest and in every way better. We sell 4 Buggy Wheels, 7-8 in. Steel Tire for \$7.50 4 Carriage Wheels, 1 in. Steel Tire for \$8.00 Other wheels for other purposes equally low priced. Write for prices to WILMINGTON WHEEL CO., Wilmington, Del.

U. S. Standard Stock and Wagon Scale. Guaranteed for ten years. Manufactured only by GRAND RAPIDS SCALE WORKS, Grand Rapids, Mich. Write for special prices and terms.

1863 THIRTY SEVEN YEARS AGO 1900. We originated the new world famous O. I. C. soap and established our present business. We are still in business and the O. I. C. continues as in the past, the best and most reliable soap in the world. They are less liable to damage than others, too. They have constituted. We used a couple pair of our FAMOUS O. I. C. SOAPS ON TIME and allow you agency if you write promptly. Two of these famous soaps weighed 2,000 lbs. Write today. L. R. SILVER CO., 109 Grand Avenue, Cleveland, O.

MORE THAN 50 YEARS have been devoted to the perfecting of our Mills to make them all that the farmer can possibly desire. Imported French Burr Stone, used exclusively in our mills, insure best grinding quality, durability and every special quality that makes our mills best. Grinds any grain for feed or table use. Our special feature is factory price direct shipment to the user; every mill warranted and on trial. Send for our Book on Mills, Established 1842. NORDYKE & MARMON CO., Floor Mill Building, 10 Bay St., Indianapolis, Ind.

BUTTER PROFITS. More money comes with the use of improved machines—and easier work. Send for our big illustrated catalogue—mailed free. "BESTOV" everything for dairymen. THE DAIRYMEN'S SUPPLY CO., 1937 Market St. Phila.

The Best Dishwasher. The easiest on both operator and cow, because it cleans the most, catches cut, & the CONVEX DISHWASHER. My Dish Soap Holder and milk Dishwasher are equally good. All dairymen should have one. See Webster, Box 70, Christiana, Pa. Western trade supplied from Chicago.

KEYSTONE DEHORNER. Makes dehorning easy and painless. Cuts on four sides at once. It never bruises nor crushes. Send for circulars. W. T. PHILLIPS, Pottsville, Pa. (Successor to A. C. BROWN).

NO SPAVINS. The worst possible spavin can be cured in 45 minutes. Curbs, splints and ringbones just as quick. Not painful and never has failed. Detailed information about this new method sent free to horse owners. Write today. Ask for pamphlet No. 28. FLEMING BROS., Union Stock Yards, Chicago, Ill.

A PYRAMID OF POWER—Vital Healing Power. VETERINARY PIXINE. It consumes inflammation, counteracts effect of insect bites and (speedily) and positively cures aggravated and chronic speed cracks of the most obstinate character. It prevents and cures scratches and greasy heel under the most trying conditions. Sores and skin affections cannot resist its natural, soothing penetrating, antiseptic healing power. Money back if it fails.

2 oz. Box, 25c. 8 oz. Box, 50c. Includes extensive "Manual of Information and Almanac for 1901." Handicapped Illustrated, invaluable for a lifetime. Not a patent medicine. At all Druggists and Dealers, or mailed postpaid. TROY CHEMICAL CO., Troy, N. Y.

4 Buggy wheels with tire on, \$7.25. With Axles Waxed and Set, \$11.00. I make all sizes and grades with Steel or Rubber Tire. Send for catalogue giving prices on wheels 24 to 44 in. Tread with instructions for order. Portland, Me., \$17.50. Box \$20.00. Freight prepaid, if you write to-day. W. H. BOSS, Center Hill, Me.

Please mention FARM AND HOME when writing to advertisers.

## All Around the Farm.

### DRAINING FIELD OR MEADOW.

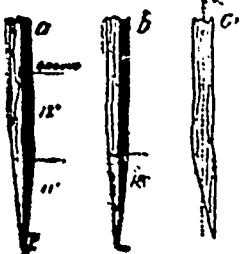
ON farms containing rolling or hilly land, there are often hollows or low places that can be greatly improved by surface drains or ditches. On my farm were several such hollows where the grain crop would be a failure 3 yrs out of 5, on account of being drowned out by very heavy rains shortly after seeding. After proper surface draining, have raised the best crops of grain there yearly. We always follow the same method when constructing surface drains, whether it is in the field or meadow. It is much easier to make ditches in the field and the work can be done much faster.

Before digging make a careful examination to ascertain the course of the natural outlet when overflowing, or if it should be one of the few exceptions that have no natural outlet, the course that will require the least work should be selected and the course of the ditch marked out by stakes, then if it is on meadow land we use a breaking plow to plow a furrow as nearly as possible in the center along the course the ditch is to be made. Plow so as to turn the furrows in from both sides toward the center until a strip is laid out as wide as top of ditch is to be made. With a good road scraper and a pair of stout horses, scrape away all the loose sod. Plow again and scrape off until the required depth of ditch is reached, but for each time plowed, do not run the plow nearer than from 3 to 4 ft from the outside of ditch, so as to make the sides gradually sloping in toward center or bottom of ditch. I always try to have such ditches made when the ground is dry, the drier the better, because it is so much easier to do the work than if done in mud and water.

When making ditches in cultivated fields, I always plow the field first, as the work can be accomplished faster. After having plowed, run a deep furrow along the course the ditch is to be made, then scrape off the loose top soil toward both sides until the required breadth of ditch is obtained. Make the ditches very wide at the top with gradually sloping sides so we can pass over them with any kind of machinery, this pays well for the time and labor spent. All ditches should be made at least 6 in deeper than the lowest surface of the hollow to be drained.—[Lewis Olsen.

### DRESSING AND SETTING POSTS.

If to be driven 2 ft deep, dress two sides in a direct line from lower dotted line of a, 11 in long, from shoulder to point, making a 1 in point.



Then dress the edges from 12 to 18 in. Edges may be rounded from shoulder to point. A post dressed more on one side than another, as at b and c, will drive crooked. Stake the fence line perfectly straight, using 3 ft stakes. Then take a 1/2 in rope 100 or 200 ft long, stretch tight on line where posts are to be driven. Saw a block 6 in long and rive it into pins 1/2 in square. Drive a pin where each post is to set.

Get a mattock, the hoe blade of which is 3 or 3 1/2 in broad and 9 in long and the opposite side with an ax blade 4 in broad and 6 in long. Use the ax and make a mark even with the pins to indicate where posts are to be set. Use the ax again, sinking deep on either side of pin. Then with two or three vigorous digs with the hoe blade, dig out pin and all, thus leaving a hole 10 or 12 in deep for setting a post, leaving the sides solid to hold posts from giving sideways, as there is no danger of them going edgewise, as the entire fence joins in support. Raise a post above hole and settle down hard, which will cause it to sink still deeper. But 3 or 10 in will then be left for the post to be driven. A few solid jolts with a 20-lb post maul will settle it securely.

To gauge the depth, use a straight stick 4 or 6 in longer than the posts are to stand out of ground. Put a gauge mark at bottom and a plumb bob on a string to reach near the ground. Set this gauge 3 or 4 in from post to

be driven, lean stick to which string is attached about 6 degrees and govern the fence post by the plumb. Then use a platform, box or stand in wagon, and driving the posts will be of but little labor.—[A. Byers, Tex Co, Mo.

**Young Colts**—On no account should a young colt be driven very fast. Their bones are very soft. I do not believe in feeding them much corn; we want such foods as will produce muscle and

bone rather than fat. Oats, bran and flaxseed meal with a moderate amount of good, bright hay are good the first year.—[Alex Galbraith.

**Water Before Feeding** as the water will then pass along into the bowels before the grain ration is fed. But if the horse is fed before water is given, because of the small stomach, the food is forced into the bowels before the stomach has performed its share of the

digestion and derangement is apt to follow.—[Dr J. C. Curryer.

**Gasoline Engines** are being used to quite an extent in Ohio. The cost of operating is much less than for steam. There is less danger than from steam and no time is wasted in getting up steam.—[T. B. Terry, Summit Co, O.

Don't put honey in the cellar; it's the worst place possible.

# Test for Yourself the Wonderful Curative Properties of Swamp-Root

To Prove What the Great Kidney Remedy Swamp-Root Will Do for YOU, Every Reader of Farm and Home May Have a Sample Bottle Free.

Reporters Have Convincing Interviews with Prominent People Regarding Wonderful Cures by Swamp-Root.



DR. KILMER & CO., BINGHAMTON, N. Y.—

Gentlemen—In justice to you, I feel it is my duty to send you an acknowledgment of the receipt of the sample bottle of Swamp-Root you so kindly sent me. I had been out of health for the past five years with kidney and bladder trouble. Had our best physicians prescribe for me. They would relieve me for the time being, but the old complaint would in a short time return again. I sent for a sample bottle of Swamp-Root, and I found it did me a world of good. Since then I have taken eight small bottles bought at my drug store and I consider myself perfectly cured. It seemed as though my back would break in two after stooping. I do not have to get up during the night to urinate, as I formerly did, three or four times a night, but now sleep the sleep of peace. My back is all right again, and in every way I am a new man. Two of my brother officers are still using Swamp-Root. They, like myself, cannot say too much in praise of it. It is a boon to mankind. We recommend it to all humanity who are suffering from kidney and bladder diseases.

My brother officers (whose signatures accompany this letter), as well as myself, thank you for the blessing you have brought to the human race in the compounding of Swamp-Root. We remain, yours very truly,

Officers of the 65th Police Precinct,  
Greater New York.

JAMES COOK,  
HUGH E. BOYLE,  
JOHN J. BODKIN

### Women as Well as Men are Made Miserable by Kidney and Bladder Troubles.

"You have no idea how well I feel. I am satisfied that I do not need any more medicine, as I am in as good health as I ever was in my life." So says Mrs. Mary Engelhardt, of 2,835 Madison street, St. Louis, Mo., to a reporter of the St. Louis Globe-Democrat. "For more than ten years I had suffered with what the doctors termed female trouble; also heart trouble, with swelling of the feet and limbs. Last summer I felt so badly that I thought I had not long to live. I consulted doctor after doctor and took their medicines, but felt no better. The physicians told me my kidneys were not affected, but I felt sure that they were the cause of my trouble. A friend recommended me to try Dr. Kilmer's Swamp-Root, and I must say I derived immense benefits almost from the first week. I continued the medicine, taking it regularly, and I am now in splendid health. The pains and aches have all gone. I have recommended Swamp-Root to all my friends, and told them what it has done for me. I will gladly answer any one who desires to write me regarding my case. I most heartily endorse Swamp-Root from every standpoint. There is such a pleasant taste to Swamp-Root, and it goes right to the weak spots and drives them out of the system."



MRS. MARY ENGELHARDT.

**SPECIAL NOTICE**—Swamp-Root, the great Kidney, Liver and Bladder remedy, is so remarkably successful that a special arrangement has been made by which all readers of Farm and Home, who have not already tried it, may have a sample bottle sent absolutely free by mail. Also a book telling all about kidney and bladder troubles and containing many of the thousands upon thousands of testimonial letters received from men and women cured by Swamp-Root. Be sure and mention reading this generous offer in Farm and Home when sending your address to Dr. Kilmer & Co., Binghamton, N. Y.

### How to Find Out if You Need Swamp-Root.

It used to be considered that only urinary and bladder troubles were to be traced to the kidneys, but now modern science proves that nearly all diseases have their beginning in the disorder of these most important organs.

The kidneys filter and purify the blood—that is their work.

So when your kidneys are weak or out of order you can understand how quickly your entire body is affected, and how every organ seems to fail to do its duty.

If you are sick or "feel badly," begin taking the famous new discovery, Dr. Kilmer's Swamp-Root, because as soon as your kidneys are well they will help all the other organs to health. A trial will convince any one.

Weak and unhealthy kidneys are responsible for more sickness and suffering than any other disease, and if permitted to continue fatal results are sure to follow. Kidney trouble irritates the nerves, makes you dizzy, restless, sleepless and irritable. Makes you pass water often during the day and obliges you to get up many times during the night. Causes puffy or dark circles under the eyes, rheumatism, gravel, catarrh of the bladder, pain or dull ache in the back, joints and muscles, makes your head ache and back ache, causes indigestion, stomach and liver trouble; you get a sallow, yellow complexion; makes you feel as though you had heart trouble; you may have plenty of ambition, but no strength; get weak and waste away.

The cure for these troubles is Dr. Kilmer's Swamp-Root, the world-famous kidney remedy. In taking Swamp-Root you afford natural help to nature, for Swamp-Root is the most perfect healer and gentle aid to the kidneys that is known to medical science.

If there is any doubt in your mind as to your condition, take from your urine on rising about four ounces, place it in a glass or bottle and let it stand twenty-four hours. If on examination it is milky or cloudy, if there is a brick-dust settling, or if small particles float about in it, your kidneys are in need of immediate attention.

Swamp-Root is pleasant to take and is used in the leading hospitals, recommended by skillful physicians in their private practice, and is taken by doctors themselves who have kidney ailments, because they recognize in it the greatest and most successful remedy for kidney, liver and bladder troubles.

If you are already convinced that Swamp-Root is what you need, you can purchase the regular fifty-cent and one-dollar size bottles at the drug stores everywhere.

### Orchard and Garden.

#### VENTILATION OF CELLARS.

Whether or not ventilation is needed in root pit cellars depends on the way in which the roots, tubers or bulbs have been stored. In my own practice in storing these for seed purposes, that is, to carry over to planting time, I have but little occasion to ventilate my stock over and above the degree necessary to maintain a low, dry temperature. For the most part with beets, carrots and cabbage, I have not found any effort at ventilation called for. They are simply pitted and then left with operations of the law of nature, the natural moisture in the earth preserving them from wilting, and the outside covering of earth, leaves and coarse hay keeping them at a low temperature.

A lot of beets sufficient to raise over 5 tons seed were all handled in this way and came out as usual in first-class condition. The key to the system is found in avoiding massing the roots, but instead burying in long, narrow and rather shallow trenches. Those for carrots to be not over 14 in wide and 2 1/2 ft deep, for beets not over 3 ft wide and 3 ft deep. When the trench is a long one I leave at intervals an undug division about 1 ft in thickness. The covering for these roots is firm, a few inches gray coarse stuff and the earth about 1 ft in depth, and lastly as cold increases, at 1 ft of swamp hay. Rats I have most to fear from. When these make too many galleries we yield up to them the occupancy of the root pit and go and relocate some distance away. All root pits should be on high and dry ground, of gravel or sand, if possible.

Cellar-kept vegetables, which include onions, potatoes and sometimes some special lot of beets or carrots, we ventilate from coolness during the fall, opening door by night and closing by day, as weather suggests. With the colder weather we close double door and usually double the windows, opening to get rid of damp, warm air now and then in winter, when a dry wind blows. With the return of spring we renew our fall tactics, opening by night and closing door and window by day, the object being to keep the bulbs cool and from sprouting until the proper time has come for planting them out. The same course holds good for those who follow the market. If there is an opening into the building above, this judiciously utilized will be a useful aid in the system of ventilation. When roots or tubers are massed in pits, bunches of rye straw, protruding at intervals through the covering earth, serve to reduce the heat and moisture that such masses are apt to create. [J. J. H. Gregory.]

#### RASPBERRY CULTURE.

The raspberry seems to do well on any land suitable for corn, but to reach perfection it must be planted on rather heavy soil with good drainage but that will retard moisture in times of drouth. The red varieties should be planted in rows 7 ft apart and 4 ft in the rows, and to the new beginner this seems like a waste of land, but the second year after planting will dispel this theory.

The first year the plants should have about 1 in nipped off the ends of the canes which are 1/2 to 3 ft high. All weeds and young plants should be destroyed by thorough cultivation. In the spring of the second year set at each end of the rows two posts securely braced 12 to 15 in apart and 20 in above the ground. Then stretch strong wire along each side of the rows just as tight as you can get it with a stretcher and staple to the end posts. Then drive under the wire some small stakes about the size of a broom handle every 20 ft apart and put a staple in them. This will keep the wire in place along the rows and will hold up the canes when they would otherwise bend to the ground when loaded with berries.

In spring cut all of the preceding season's old canes out; also about 2 in of each cane of the new wood. Ashes are an excellent fertilizer for raspberries as they are rich in potash, and with a liberal supply of well-rotted manure in the spring should keep the plants in first-class condition. Mulching in the colder latitudes is necessary, as it protects the roots against freezing and thawing. [Edgar S. Scoville.]

Don't Burn rubbish such as corn-stalks, bush peas and bean vines, or any vines, weeds, etc., as they contain a considerable element of potash, etc. aside from the chemical change produced in the compost heap. There is no soil, not even muck land, but can be benefited by these now useless excesses, by being returned to the soil to add to its fertility and improve its mechanical condition.—[J. A. Clark.]

For Moving Potatoes, use a scoop made of malleable cast iron rods. It costs but 75c and is far ahead of the wire scoops used by some. After getting the knack of this kind of shoveling, a man can load 50 bu in 1/2 hour or less time.—[H. C. Wright.]

Shaffer Raspberry is one of the best. I consider it far superior to the much lauded Columbian. As its roots from the tip it does not sucker and bother in that way as most of the red varieties do. It is an abundant yielder of very large berries, rich, juicy, of a sprightly acid flavor, very unlike the rather dry, slightly sweet Columbian. It is not suitable for long distance shipping, being rather soft when dead ripe, but for home use and near market it is simply grand.—[W. F. Heath.]

The Champion Quince should hang on the tree as late as possible in the north, and then be finished off indoors. Its lateness is a serious drawback for market purposes, and although the tree is vigorous, well shaped and productive, and bears young, the variety is not equal to the Orange for a northern business orchard.—[Burr Knapp.]

Skunks Destroy Worms—A hop grower reports watching a skunk at night, as the animal dug into 97 hills; he found that every hill showed the work of worms which the skunk had found and eaten.

The Ord Beni Apple, a new sort from Ark, as tested on the writer's grounds, somewhat resembles the Ben Davis in vigor of growth, season, size and quality of fruit. Like the Davis it bears at an early age and abundantly. The color is a deeper red than the Davis.—[G. B. Fiske.]

Cellars should be dry and cool. One that will freeze in cold weather by reason of its many windows is much better than the one too warm and close. A cellar should be underdrained and kept below 40 degrees. Ventilate often. If it is liable to be too warm, ventilate in cool weather and keep closed in warm spells, or vice versa as the case demands.—[A. B. Clark.]

Mangolds fed with grain and hay or corn I consider a valuable food and more profitable to raise than carrots.

Potatoes for Stock—Compared with corn, at \$16 per ton, potatoes are worth 5c per bu as stock food, but they must be fed carefully, and in connection with nitrogenous foods. I would not feed potatoes or apples to breeding ewes.—[E. E. Smith, Onondaga Co., N. Y.]

The Ont Beekeepers' assn meets at Niagara Falls, Ont, Dec 4-6. A lecture and many of the views given at Chicago at the great national convention will be given.

F & H is the best paper I ever read for so small a price. I like it that F & H prints so much about co-operation among farmers, I do not see why a farmer cannot have as much right as other people to make his price. As it is here, the storekeeper makes the price and the farmer gets no cash.—[C. A. Gelseler.]



**VEGETABLE CUTTERS**

Sizes to cut fine or coarse suitable for Cattle, Cows or Sheep.

The Lowest in Price, Best Quality and Durable in Use. Send for circulars.

The BULLOCK & TAYLOR MFG. TOOL CO.,

Box 15, Chicago Falls, Mass



**A COOKER THAT COOKS.**

Good Results Can be secured from grain fed to live stock if it is cooked. It is more easily digested and assimilated by the animal stomach.

**Nuff Ced**

Write us for circulars and prices. **THREE STYLES. ALL SIZES.**

**ALBANY FOUNDRY COMPANY, Albany, New York.**



**Dietz Driving Lamp**

IT is the only perfect one. IT throws all the light straight ahead from 200 to 400 feet. IT looks like a locomotive headlight. IT gives a clear white light. IT burns kerosene (Coal Oil)

It will not blow nor jar out

**SPECIAL OFFER. CUT THIS ADVERTISEMENT OUT** and send it to us and we will send book describing our lamp, and will agree to send you one single lamp or a pair at our wholesale price (very much less than the retail price).

**R. E. DIETZ COMPANY, 81 Light St., New York.**

ESTABLISHED 1810.

**WE WANT AGENTS FOR THE Economy Harness Riveter**

and other best selling articles.

The Riveter can be used in any position. Needs anything where a well clinched rivet serves the purpose. Does heavy farm work. Can be carried in the pocket. Agents make \$3 to \$15 a Day. Sample loaded with 50 rivets and 25 terms for 50c in stamps.

IT IS LOADED

V. B. Fols Co., Fredericktown, Ohio.

**AMERICAN REPAIR MACHINE.**

For turning and machining: Anvil, Vice, Drill, Cut-off, Pipe Clamp, Drill Bit, six tools in one. Dealers ask \$6.00; we sell direct, our price \$2.75. Jaws open 9 in. Heavy 6000 lbs for all purposes. Money back if not pleased.

**CONSOLIDATED SUPPLY CO., Bloomfield, Ind.**

**A Good Grinder**

AT A LOW PRICE.

The New Holland Cob and Feed Grinder is sold for \$19 and satisfaction guaranteed. It is the lightest in weight and the most durable mill made, as well as the simplest in construction. Send for catalogue and judge for yourself.

**NEW HOLLAND MACHINE WORKS, BOX 12, NEW HOLLAND, PA.**

**FIRE, WEATHER, and Lightning Proof**

Black painted, or galvanized metal ROOFING and siding; (brick, rock or corrugated)

**METAL CEILINGS and SIDE WALLS**

In elegant designs. Write for Catalogue.

The Penn Metal Ceiling and Roofing Co., Ltd

224 & Hamilton, Phila., Pa., or 24 Hancock St., Boston, Mass.


**Best Steel Windmill Made, \$14.75.**

For \$14.75 we furnish the best 4-foot steel windmill made. For \$14.95 the best 30-foot steel windmill tower made. For \$22.70 the complete steel mill and steel tower, ready for work. We require no money with the order, ship to any address subject to approval and payment after received. For illustrations, descriptions and special prices on larger mills and towers, write for free Windmill Catalogue.

**SEARS, ROEBUCK & Co., Chicago, Ill.**

**THREE TIMELY BOOKS**

By Thomas Shaw



The accompanying photograph of Prof. Thomas Shaw will be recognized at a glance by thousands of our Canadian and American readers who have met him in person. To thousands of others also his name is well known as an authority on live stock husbandry. As Professor of Agriculture at the Ontario Agricultural College and editor of one of the leading Canadian agricultural papers he was a great Canadian authority on live stock husbandry. Since going to the University of Minnesota, where he is at present Professor of Animal Husbandry, he has also become a great authority in the United States. He has been a frequent contributor to agricultural literature, and his works bear the stamp of originality and distinct value. Among his best contributions in this line are the three following books which have lately come from our press:

**Selling Crops and the Silo** A new and most valuable of all books for the Dairymen! It tells all about growing and feeding all kinds of selling crops that have been found useful in any part of the United States or Canada—climate and soil to which they are adapted, rotation, sowing, cultivating and feeding. Also about building and filling silos, what to use and how to fill and feed it. Illustrated, cloth, 5 by 7 1/2 inches, 364 pages. Price, postpaid, \$1.50

**Forage Crops** This work has a practical ring about it. The soils to which Forage Crops (i. e., annual pasture plants fed off by the animals in the field) are adapted, how important a place they are destined to occupy in the near future in systematic crop rotation on every stock and dairy farm, the preparation of the land, the time and methods of sowing, the cultivation and the pasturing upon them when grown, are fully covered. Illustrated, cloth, 5 by 7 1/2 inches, 360 pages. Price, postpaid, \$1.00

**Study of Breeds** A complete, reliable guide for Farmer, Breeder, or Student. Gives the origin, history, distribution and characteristics of all pedigreed breeds of cattle, sheep and swine in America showing relative size, adaptability, early maturity, feeding and breeding qualities, and uses in crossing and grading. It gives relative milk production in cattle and wool production in sheep. It gives standards or scales of points where these exist, and submits them where they do not. 33 full-page plates. Cloth, 5 by 8 inches, 400 pages. Price, postpaid, \$1.00

**Free to All** Our Brief Descriptive Catalogue (16 pages) will be sent free of charge to all applying for the same. Our New, Large Descriptive Illustrated Catalogue, 100 pages, 5 by 7 1/2 inches, 30 illustrations, thoroughly indexed by titles and authors, and containing detailed descriptions of all the best books on rural and home topics, sent for three cents in stamps—which only pays the postage.

**ORANGE JUDD COMPANY, 52 Lafayette Place, New York.**  
Marquette Building, Chicago, Ill.



Helps for Farm and Home.

FOR POULTEEBERS.

Mrs M. G.'s droopy fowls with cough, etc, have chronic bronchial roup. A warm place will effect more than medicine. Put five drops of sweetened nitric acid in the drinking water for each fowl. The sores on comb show need of laxative food, like bran and green stuff. Anoint the sores daily with olive oil, adding to it a few drops of carbolic acid.

H. C.'s cooped chickens which do not put on weight are probably in a lousy house or do not have enough sharp grit to properly digest their food. Examine also for large body lice.

J. P. T.: Poultry markers and bands are sold by J. A. Bergey of Tefford, Pa. Charles Gamminger, Box 60, Columbus, O. and B. H. Greider of Florida, Pa.

CHAT WITH THE EDITOR—H. O. H.: A hotbed can be made of any material that will generate heat and keep it up as long as desired. Horse manure is among the best. Plans for a frame house are illustrated and described in Cottage Houses, by Reid; or House Plans for Everybody.

MORTGAGE—T. K., N. J.: The man you sold your lot to cannot compel you to pay the mortgage thereon unless you have agreed to do so either in your deed to him or in some other writing.

CORPORATION DEBT—Ill Subscriber: A stockholder in a corporation who has paid the face value of his stock for the same to the corporation is not liable for any debts created by the company.

PATENT—Subscriber, S Dak: If you desire to obtain a patent it will be best for you to place the matter in the hands of a patent attorney, who will give you all the information you require as to the expense, procedure, etc.

CONTRACT—C. B., Wis. If you hire a boy 18 yrs old to work for you 6 mos, agreeing to pay him \$100 at the end of that time, and the boy left without completing his term, you are liable for the amount due him for the time he worked.

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 printed. In case an immediate answer by mail is desired, \$1 should be inclosed.]

STERILITY—L. R. M. has had several heifers and one cow which fail to get in calf. Medicine is of no use in such cases. A change of bull is the only remedy.

WORMS—O. G. wants a remedy for worms in the lungs of calves. Give 1/2 oz turpentine at a dose twice a day in a small bran mash and continue it for several weeks.

RHEUMATISM—E. L. has some pigs that have hard bunches on the joints of their legs, which make them lame. Also some hogs in another place that have an eruption on their ears, and their eyes matter some.

INJURY—C. B. M. has a heifer that got looked by a cow last winter and it does not heal. Examine the wound with a probe, as there is likely something in it which is preventing it from healing.

LAME ANKLE—G. W. R. has a mare that has an ailment in her fetlock joint; she walks on her toe. Put on a shoe with a toe cork on the toe, but none on the heels of the shoe.

INJURED UDDER—I. N. has a heifer that gives blood with her milk. The day before she gave the bloody milk she hurt her udder getting over a low fence.

Wis subscriber: We are aware of no state in which the fact a wife has ceased to love her husband constitutes a ground for divorce.

CUTTERS AND SHREDDERS of all sizes, positively the best, and carriers to match. For full information, send for our circular, also best horse power, thrasher, clover huller, dog power, live thrasher and binder, fanning mill, saw-machine (circular and drag), land-roller, steam-engine, root-cutter, corn-sheller and pound-rolls. Address: C. C. F. & Co., 111 E. 1st St., Columbus, N. Y.

GOOD CIDER. Clear, Pure, Long Kept, and more of it from the small amount of apples can only be secured by using a HYDRAULIC CIDER PRESS.

PURE WATER and how to get it is a PROBLEM EASILY SOLVED. The solution of the problem is a STAR DRILLING MACHINE. The water is down there and the only way to get a supply absolutely free from surface drainage is to go deep with a good well.

WELL DRILLING Machines Over 75 sizes and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on skids. With engines or horse power. Strong, simple and durable. Any mechanic can operate them easily. Send for catalog. WILLIAMS BROS., Ithaca, N. Y.

WINGHESTER FACTORY LOADED SHOTGUN SHELLS "New Rival," "Leader," and "Repeater" Insist upon having them, take no others and you will get the best shells that money can buy. ALL DEALERS KEEP THEM.

STEVENS RIFLES AND PISTOLS have been famous for years because of their accuracy, safety and durability. This is our DIAMOND MODEL made with six or ten inch barrels, open or peep sights, blued barrel, nickel plated frame, 1 1/2 grip with walnut stocks. J. STEVENS ARMS & TOOL CO., P. O. Box 197 CHICOPEE FALLS, MASS.

ICE PLOWS \$10.50. Also Ice Tools. Write for Discount. H. PRAY, No. Clove, N. Y. PROFITABLE WINTER WORK You can make big money taking orders for and selling my AEFER in your section.

GINSENG—Look all about it & see how to grow this great money maker. Write to-day, AMERICAN GINSENG GARDEN, Box 111, N. Y. Nursery Stock: 15-cent apple trees, etc. at 1/2 price. Stone, Wholesale Nurseries, Danville, N. Y. 60 pp cat. CANADIAN unbleached hard wood shaves an ideal fertilizer. Pamphlets free. GEO. STEVENS, Peterboro, Ont., Can. FIX UP your farm and poultry buildings before snow comes. NEPONSET and PAROID ROOFINGS will help you do it. Samples cost you a postal.

AN ACRE OF CORN and its possibilities under the Silage system—the theme of "A BOOK ON SILAGE" By Prof. F. W. WOLL of the University of Wisconsin. Revised and up-to-date, published in a volume of 250 pages. It embraces full instructions from planting to feeding, weeding, and includes working plans and specifications for silos, etc. Also embraces: I—Silage Crops. II—Silage. III—Feeding of Silage. IV—Feeding of Silage and other Feeds. V—The Silo in Modern Agriculture. And illustrations and complete plans for round and rectangular silos, dairy barns, tables, compound rations, etc. Mailed for 75c. call or stamp. SILVER MFG. CO. Salem, Ohio.

GOOD HOUSEKEEPING \$1.00 per Year A Monthly Magazine 10 Cents per Copy GOOD HOUSEKEEPING occupies a position peculiarly its own, in that it is conducted in the interests of the higher life of the household, for it is devoted not only to practice, but to inspiration—to telling how the everyday affairs of life may be conducted, but always leading upward. Its departments, regular and special, are as numerous as the varied phases of the life of the household. It appeals to either sex, whether of young or of advancing years. It not only helps but gratifies the physical, mental and æsthetic natures of all its readers. This magazine gets above the old routine, out into the world, while making the routine work lighter and happier by its clear explanations. The following topics and lines of research are samples of what Good Housekeeping is doing for the dwellers in the homes of America: Successful Kitchens, Solutions of the Domestic Help Problem, The Latest Hecene Home Handicraft of Various Kinds, Homemade Christmas Gifts, Illustrated, Truth about Dishonest and Adulterated Food, Famous Cooking Schools Described, People Who Have Uplifted Home Life, Illustrated, New Sources of Income, Tasteful House Furnishing, Illustrated, "Good Housekeeping Babies", Disadvantages and Advantages of Country Girls, Advantages and Disadvantages of City Girls, Women's Exchanges, "The Best Way" in all kinds of Housework, Mistakes of Young Housekeepers, Original Recipes from Famous Cooks and Cooking Teachers, The Four-footed Cousins, Fathers and Sons, Household Economics, New Ideas in Fancy Work, Changes and Tendencies in Home Life, New Fashions and Their Wearers, Diseases of Children, etc, etc. The whole magazine is dominated by a high purpose to be an ever-ready help and inspiration toward making "the higher life of the household" a practical and delightful reality in every family, and a force in social and civic affairs. Each number consists of 96 pages filled to overflowing with original and interesting readings and many handsome illustrations. \$1.50 FOR \$1.00! The regular price of Good Housekeeping is \$1.00 for a year, and Farm and Home 10 cents a year. We, however, will send both periodicals until January 1, 1902, for only \$1, if ordered now. Address all orders to FARM AND HOME, SPRINGFIELD, MASS., or CHICAGO, ILL.

Plants and Flowers.

EVERGREENS FOR ORNAMENT.

THE home and home influences tend largely toward making a people what they are and it should therefore be embellished, and made a tower of beauty to its inmates. In no way can this be accomplished so well as by planting ornamental trees and shrubs. In ornamenting home grounds, be they large or small, three things must be taken into consideration: The background, the lawn border and the lawn proper.

I know of no better background that would have the desired effect and combine both utility and beauty than one planted with evergreens. On the farm and large suburban lots, plant three rows: first, an outside row of Scotch pine, next of white or Norway spruce and next of white spruce. These three rows will make a complete barrier against storm and wind and at the same time give the desired landscape effect. In planting evergreens on the border they should be grouped but not planted so close as to crowd each other and thus destroy the individuality of the tree, for this is one of the characteristics of the evergreens that must be retained to give the desired effect.

The best trees for this purpose are balsam fir, Douglas spruce and hemlock for grouping. The white pine as a single tree stands without a peer on the pine list, without it is the red pine, which also makes a fine tree. All large growing trees, as red and white pine, should be planted back in such positions as not to obstruct the vision or the view. The Menzen spruce from the Rocky mountains is a grand tree and must be seen to be appreciated. Its graceful arrangement of branches, together with its beautiful color, makes it a striking object on the lawn. For screens to shut out undesirable views, red cedar and American arbor vitae are the best. In planting in angles or walks and drives where large evergreens are not admissible, plant such sorts as Savin juniper, Siberian arbor vitae, globe arbor vitae or prostrate juniper. They all have a place on the lawn and can be utilized in such positions. Trailing yew is desirable to plant near the house and it makes a beautiful bush covered with red berries instead of cones.—[M. J. Wrogn.

For Winter Protection get a dry goods box about the size needed to hold the pots on the window sill. Put hinges on the lid and paper the inside of the box. On cold nights place the plants in pots inside the box, cover and leave them in security. Should the room be extremely cold a small, well-filled lamp may be lighted and left in center of the plants, but there must be an open space for ventilation.—[A. R. Annable, Bradford Co. Pa.

All the Rex Begonias require partial shade; all need a rest of several weeks during winter, where they may be set back from the light and watered sparingly till the lengthening days call them to a more vigorous life.—[Mrs E. S. Pope, Me.

The Farm Home should be made attractive and beautiful. It is the farmer's home and should at least demand as much proportionate care as the farm itself. If this fact would be realized by more farmers the question of "how to keep the boy on the farm" would not be so portentous. Instead of laboring from morn to night on the farm, if the farmer would spend even a half hour each day in planting hedges, trimming nearby trees and setting out flowers near his home, it would become attractive to the boy and the girl—they would take an interest in the work of the parent, and no spot would be so dear to them as the home farm.—[H. T. Gallowsay.

Plants Don't Thrive sometimes in the house window, because of the prevalence of dust. We cannot wash the plants with copious and frequent showers of water as we do in the greenhouse, but we can invert them in a tub of water, if not too large, and the leaves of large palms can be sponged with soapy water. To keep insects off house plants is by no means as easy as in the greenhouse, where we can fumigate with tobacco or with hydrocyanic acid gas, but a little care in brushing off scale insects from palms, oranges, etc., with a tooth brush, and dusting the plants with dalmatian powder will usually be found satisfactory. When plants are infested with the green fly or aphids the best remedy is either to dip the inverted plant in a tub of soap suds or to place the plants under an inverted barrel in a shed or out of doors, and fumigate them with tobacco. This is done by chipping up common plug tobacco, as for loading a pipe, drop a live coal upon a cupful of the chips and place it under the barrel with the plants. One fumigation is not always enough, but if repeated daily for two or three days it will prove effectual.—[W. D. Philbrick.

Irrigation for Small Fruits—An investigation of the needs and benefits of irrigation for the east has been carried on by Prof. E. B. Voorhees of N. J. and has been published by the U. S. dept of agri. He estimated that the loss to the N. J. hay crop of '99 caused by the drought of May and June amounted to \$1,500,000, while small fruits and vegetables were more seriously affected. In tests which were made with irrigation on small fruits, the yields of the irrigated plots over and above those not irrigated were as follows: Blackberries, 1025 qts per acre, worth \$93.42; raspberries, 329 qts per a., worth \$2.90; currants, \$52 qts per a., worth \$5.20. The cost of putting in a pumping plant capable of irrigating 10 a ranged from 250 to 500.

Wormy Seed—If we treat our peas and beans with carbon bisulphide, we shall have no trouble in getting them to germinate. Put a little of it in a saucer and set it on top of an open barrel of seed, covering it with a blanket folded three or four thicknesses.—[F. E. Dawley, Onondaga Co. N. Y.

Hydrocyanic Gas is coming into use as an extremely effective agent for killing all manner of bugs, weevils, etc., which infest mills, factories or houses. It will easily clear a house of bedbugs and roaches. This gas must be used with extreme care and caution, for one inhalation of it will mean almost instant death either to a human being or to an animal of the lower grade. In Baltimore, where hydrocyanic acid gas was used to kill cigar beetles which had infested a tobacco warehouse, after the doors had been opened at the close of the fumigation process, rats, mice, flies, and every living thing which had been so unlucky as to be in the building after the doors were closed, were corpses.—[Guy E. Mitchell.

Flowers not only give pleasure to the inmates of the home, but to all flower lovers among the many passerby. A home may be richly and expensively furnished, may possess all the latest fads in fancy work, yet sadly lack the true spirit of home. There is no better home beautifier than flowers.—[Mary S. Huff, Bourbon Co. Kan.

Good Window Plants—The windows of most dwelling houses are fairly good places for certain plants that are somewhat indifferent to unfavorable conditions. Among the best plants for such places are the common rubber tree, Ficus elastica, the Boston fern, Nephrolepis exaltata Bostonensis, also the various colored Chinese primrose, the Persian exclamen, many of the begonias, the always favorite geranium and the graceful palms.—[W. D. Philbrick.

The air in most of our dwellings is much too dry for the healthy growth of plants. To relieve this condition it is a good plan to syringe the plants often during bright and sunny weather using a common rubber bulb with fine sprinkler for this purpose. With the exception of the Dutch hyacinth, I don't think bulbs are worth much a ter blooming indoors. Tulips may be saved and planted out of doors, but the polyanthus, narcissus and Roman white hyacinths are no good, at least such has been my experience. The same may be said of the Chinese sacred lily, which is only a narcissus [G. D. Smith, Henry Co. Va.

Hyacinths and all bulbous plants remain in bloom much longer if kept in a cool room, and they do not require much sunshine after they begin to bloom. Hot sunshine soon spoils flowers.

Jottings from the Farmers.

SOME HINTS.

[Written for Farm and Home]

I now know how to milk my cows, And tend my chickens, grow my flowers.

See my garden, how it's grown: I learned all from Farm and Home.

My beans are all so long and green, And peas, as fine as ever was seen. My cabbage, white as ocean foam, I learned it all from Farm and Home.

My dresses, don't they fit me well! Just how I make them I will tell. I get patterns (sure to come), And other things, from Farm and Home.

My husband says he wouldn't do Without your paper, not for two Of any other kind, Oh! no'm. 'Cause none can equal Farm and Home. Mus W. J. Punsile.

WINTER PROTECTION.

Unless protected from the cold weather, large numbers of fruit and ornamental trees, recently transplanted from the nursery, will perish during the winter. If a slight protection is given them, many may be kept alive. An inexpensive shelter may be made by simply binding a few evergreen boughs around them, even completely covering them. In some instances, where the tree is small, it may be well to drive a stake by the side of the tree and bind both the tree and the boughs to it. This will prevent any damage being done by the wind. Grapevines and raspberry bushes may be laid upon the ground and covered with brush. Currant and gooseberry bushes cannot easily be laid flat, but may be protected by staking a pole along the rows, just even with the top of the bushes, and letting one end of the boughs rest upon the ground and the other against the pole. Nothing makes a neater banking than evergreen brush; it is also inexpensive and serviceable. A temporary shelter for stock may be erected at a slight cost by building a framework of poles and covering with brush.—[C. O. Ormsbee, Washington Co. Vt.

STOP THE LEAKS!

Why? Because through them the profit runs. How are farmers to supply this need? By stopping the leaks of time, manure, waste plots, money, etc. Many a farmer loses time; it leaks out and is gone he knows not where. If going to the blacksmith to get a shoe put on, don't spend the whole day around the village; that doesn't pay. Stop the leaks of time in every way you can. Have a certain hour to start work and start always at that hour. Quit at 6, and the man who knows when his day's work is done will work with much better will and energy than the man who is allowed to work all night if he is willing to. Leaks in manure materially change the value of the farm and its product. Many valuable loads of fertilizer can be produced from apparently valueless material. Draw a load of sods, rough litter or swale grass to some convenient spot which drains from the house. On this empty all the slops, occasionally adding a little more litter. Do not allow cattle or horses to go one-fourth or one-half a mile to some creek or pond for water and leave on the path what should have been left in the barnyard. Have a well at almost any cost near the yard and save this leak. Draw forest leaves, swale grass, turf from the swamp, sawdust and every article of a like nature into your barnyard, which by the way should not be on a sidehill, but should be level or hollow, and covered if possible. Many dollars fall to come into the empty pockets of farmers from unused plots of ground. Straighten your fences and clear up the odd corners. Stop the ever-flowing leak of money. Economize but do not be stingy. Buy only what you need; sell all that you can do without. If you can sell a horse for \$100 that you can replace with 75, sell it; do not be married to a horse. If you have a cow that does not pay for her keep and produce a profit, beef her sell her or shoot her; she is a leak. Save 5c per day, it means \$18 a year; put that in the bank. Then add to it what you spend for unnecessary, add

to-it what you would spend at an auction sale for something you do not want but simply buy because it is cheap, then add to your bank account what you spend at so-called bargain counters. Do not keep money in your pocket that would do somebody good and bring in 6 per cent. Any sum of money invested at 6 per cent will double itself in 10 yrs; fortunes are not made in a day. Start the bank account no matter how small and add to it whenever and all you can.—[J. H. Burkholder, Hancock Co. Me.

A Transportation Fraud—Wheat can be shipped through from Chicago to tidewater at 12c p bu and trainloads of it went past my farm near South Bend, Ind, \$3 miles east of Chicago, paying that tariff. At the same time any wheat which I shipped to tidewater cost me 20c p bu. I can cite hundreds of instances where railroads fix their charges, not according to what it costs them for transportation, but according to what they think the articles transported will stand.—[Aaron Jones, St Joseph Co. Ind.

Quick Dehorning—The horn should be cut close enough to clip a little of the hair. Secure the cow's head by using a ring halter. Draw her head close to one side of the stall, have the man with the clippers ready and almost before the cow knows what is coming, clip off her horn, turn her head and clip off the other. The growth of the horn on the young calf's head may be stopped by using a little caustic potash, but care must be taken not to put on enough to make a large sore. [J. E. Rice, Onondaga Co. N. Y.

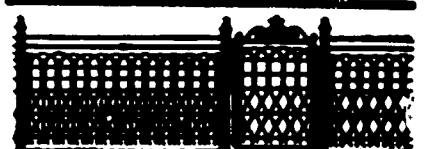
SAW-MACHINE For full information about this, also best horse-power, Thrasher, Clover-huller, Dec power, Life Tine roller and binder, Fanning-mill, Feed-mill, Drag-law, Land roller, Steam engine, Engine and fender-cutter, Sweeder, Root-cutter, Corn-sheller and Round-rot, etc. Address, GEO. D. HARRIS, 117 W. Cobleskill, N. Y. If these tell what you wish to purchase.

A Good Neighbor

ADVANCE FENCE

We Sell Direct to Farmers

At Wholesale.



ORNAMENTAL FENCE!

35 different designs, they are all steel and cheaper than wood fence. Special prices to Churches and Cemeteries. Write us for catalogue.

FENCE! ZAY



That's Not a Snare

It's heart sick, It's Fagan Fence to hold them.

PAGE WOVEN WIRE FENCE CO., ARIZONA, ILL.



Watch Chain FREE

Watch Chain FREE. All those interested in watching the watch chain from the watch company in Kansas to Kansas & Field Iron Co., Kansas, Mo. Form for sale—Please send your name and address to the watch company, Kansas, Mo. Address A. L. SHER, Westport, Mo.

THE HOME CIRCLE

Tirza Ann's Prize Squash.

By Edith A. Barber.

Tirza Ann was feeding the calves. It seemed to Tirza Ann she was always feeding calves, but she reasoned she might as well be feeding calves as doing anything else.

Tirza Ann seemed fully satisfied with her lot. She had food to eat, clothes to wear and plenty to occupy her attention, and she could not understand why any mortal should ask for more.

I said fully satisfied. But no, she wanted one thing, and that with all the intensity that her poor, stunted soul possessed. That one thing was a bicycle.

Only once before had she shown an interest in anything outside the objects of her everyday life, and that was some years before, when Hiram, the " hired help" next door, came over and sat beside her on the back stoop.

Year after year went by and still Tirza Ann's bicycle seemed as far away as ever.

Besides feeding calves, Tirza Ann had to shell peas, but this occupation she rather enjoyed, for it gave her a chance to "set down and rest a spell."

One morning she was opening the pods in her usual mechanical manner, when a couple of young men guests of the house came out with shovels to dig angle worms for fishing.

This morning, however, a spark of interest was kindled in her feeble mind by what the young men were saying. Perhaps it was because the topic was akin to the few that Tirza Ann was acquainted with anyhow, she listened.

years, but never had she heard of feeding squashes. She almost dropped her peas in amazement.

Tirza Ann did not understand the language, but she grasped the idea, and everything else was forgotten while she eagerly listened, as the young man told of a prize of \$50 offered for the big-

gest squash exhibited at the fall fair in a neighboring town. Tirza Ann started again, and this time some peas escaped from her blue cotton apron.

From that day Tirza Ann was a changed being. She had an aim in life, something to work for.

In a secluded corner of the back yard, Tirza Ann had raised for years a garden of sunflowers. These were her particular property, the only thing she had ever called her own, and not a person was allowed to intrude upon that sacred ground.

THE BEST Christmas Present TO GIVE A MAN

The Young Man and the World

And other papers—a new paper-covered book, containing the following articles which were recently printed in The Saturday Evening Post, which created such a demand that back numbers were bought by the thousands by employers to give to young men.

The papers in 'his little book are:

Does a College Education Pay?

By Grover Cleveland

Former President of the United States

The Young Man and the World

By Albert J. Beveridge

United States Senator from Indiana

Poverty No Bar to a Public Career

By John J. Ingalls

Former United States Senator from Kansas

Getting and Keeping a Business Position

By Robert C. Ogden

New York Partner of John Wanamaker

The Making of a Railroad Man

By J. T. Harahan

General Manager of the Illinois Central Railroad



This Book Sent Free

To any one sending Twenty-five Cents for a three months' trial subscription to The Saturday Evening Post, a superbly printed and illustrated weekly magazine, with 250,000 circulation, regularly published every week for 172 years.

THE CURTIS PUBLISHING CO., Philadelphia, Pa.

Publishers of THE LADIES' HOME JOURNAL

Advertisement for a \$25.00 watch and chain. Includes text: 'A perfect timekeeper and equal in appearance to a \$100 watch. A \$25.00 WATCH and CHAIN. FREE. CUT THIS OUT and send it to us with your name and address and we will send you the watch and chain for only \$25.00.'

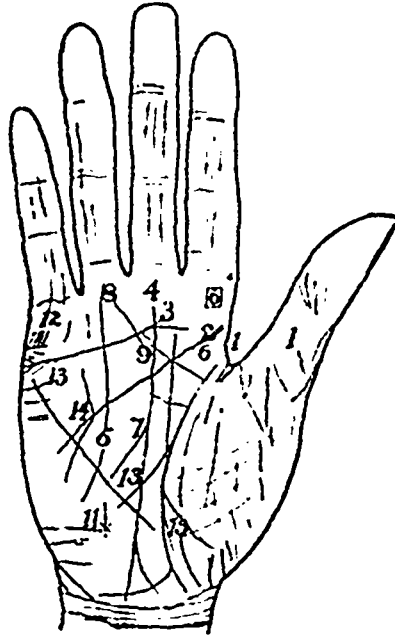
Advertisement for two rings free. Includes text: 'TWO RINGS FREE. Send name and address to us, and we will mail you two rings of equal value. With our compliments. COMFORT MENCKEN CO., Providence, R. I. Please mention FARM AND HOME when writing to advertisers.'



Our Palmistry Lessons—IV.

A CONQUEROR'S HAND.

This hand holds a high, enviable position. Mark the length of the thumb. That long thumb and long strong head line, the latter being separated from the life line at the beginning,—show a mental power and a self-assertion that are very powerful in argumentative force. But the positive force thus shown is not all that this man possesses. The little line dropping from the head line to the life line gives this



person the power also to become negative if he sees the necessity for doing so. Such a thumb and head line as in this hand will give an air of distinction to any person. Then, the full hand gives a balance that does away for all need of being anxious on his account. He may be called a little overbearing, at times. The dignity which will show in his carriage will often give rise to unpleasant criticism. But the head line, away from the life line, as noted, symbolizes the qualities that will turn all criticisms into huge jokes. The subject can never see how they apply to him in any way. It is this one characteristic that causes more enemies than any other, and yet it is the very one he can win position on.

With the square on Jupiter (6) and the sun line (5) in the hand, the subject would have great respect for the dutiful, humble little woman but a woman of advanced ideas would stand on a greater than a whole army of men. Yet, woman is very necessary to this man's life. In sharing its joys and sorrows to flatter, or I will say admire, for the heart line does crave admiration from the opposite sex. Lines 7 and 8 show this.

In personal appearance, this man is the rink of a job. His desk or papers must never be touched. It may seem necessary at times to pick up a little, but never attempt it until he says so. Such men are prompt and require it from everyone else. They will grant a favor to anyone if their first glance of that person meets the requirements of their mood. They are often called hard taskmasters. Their perceptive qualities are so fully developed that they can't see why you cannot see what is to be done without being told. "Look ahead" "Find something to do" may often be expressions of his. It is the most interesting of head lines. Such great possibilities. But to another person with the same or nearly the same formation of head line, it would bring two positives together, and neither could see virtues in the other. But this head line will, to anyone possessing it, with a good fate line (4) and sun line (5), give a force and power that may make him president of something, or rise very high in life to any honorable position.

His heart line is called an ownership heart line. Apparently cold to the outside world, his own, that he loves, are perfection. The fate line (4) is finely marked for worldly success, and line 7 coming in toward the 34 year of his life, means influences to be thrown in his favor from outsiders. His life is to be an active one, for the number of lines on the sun mount show interests of a different nature to tend to make

him successful. It is hard for this hand to acknowledge defeat, yet by the line 9 he must have certainly passed through such a period about 40, and near the same year might have been in danger of death by violence.—10, the cross on the mount of Mars. His opponents are bitter. Again, a square on Jupiter (6) is termed a life preserver. He might even have come near drowning.—11, star on the mount of the moon. Yet it will never be an accident that will cause this person's death. There is always something, a fate, that will save him at just the right time, until into the 50's, when he will simply give up, lack of nerve force giving heart failure.

There are two marriages, neither early in life,—the first not before 32 and again toward 51. There are four children shown in the perpendicular lines on 12. The cross, at 13, gives this man greater happiness in a large city than a small place, and he will never be truly happy until located in one of the larger cities, which is southwest of the place he was born in, as shown by the line 17.

All gifts to be made this person should be small and exquisite. This hand will see a great deal of the world by traveling, and by using the perceptive qualities (14) so finely marked, and with the pointed little finger of eloquence, it will speak very interestingly of its experiences before the public, and also publish in book form some of the most interesting.

The owner of this hand is determined to be famous, determined to be wealthy, and he will be, but not without great effort, for the lines crossing give great opposition. But with that head line and long third finger, he will run desperate risks, and in the end build up out of any losses that might come. To the outside world a lucky man, to himself and himself alone is known what it has cost.

I have dwelt on this head line a great deal all the way through and will say in conclusion: If possessing a head line similar to this and a fate line, some sun lines and a long third finger, longer than the first,—you need never worry as to how you will come out. It means conqueror.—[Minerva.

Minerva wishes us to emphasize the meaning she meant to convey in the Nov 15 issue, that the hand there described was not indecisive because of the sloping head line, but because the head line was weak and wavering, while the picture failed to show plainly. A well-formed, strong sloping head line is a beautiful sign to possess.

OUR PUZZLE CONTEST.

We shall give the usual 25 prizes this month, all of which will be good ones. As usual the contest will be governed by the following

RULES.

No two answers will be allowed to any question, that is, we must not say the answer is this or that. Answers must be mailed within 10 days of the receipt of the issue of the 15th. The contest is open to every subscriber or one member of the family. Write our answers plainly and be sure and spell your words right, as a misspelled word will throw out the answer. Always write your name on every set of answers, as any set without name or address will be thrown out. Answers may be sent by letter or on a card, as the writer chooses. Webster's International Dictionary will be the standard of authority. Address all answers to the Puzzle Editor of Farm and Home, Springfield, Mass.

THE FIRST FIVE FOR DECEMBER.

1. Cross-wind Naugma. [Captain Jack. In race but not in run. In race but not in fun. In race but not in gun. In rain but not in wine. In ball but not in buy. In ball but not in fry. In catch but not in hold. In leave but not in hold. In eat but not in drink. In red but not in play. In clear but not in drink. My whole, correct indeed, is used to mean invited.

2. Answer (one word)—GILGALION MY LAD. 3. Antithetical—T I S A R T I

TEEN

1. If to a certain number I add 6, take away 2, divide by 2, multiply by 6, add 12, divide by 3 and take away 1 and have the original number left, what is the number? 2. I have Word 1, Quare; 2, range; 3, consume; 4, leave.

ANSWERS TO SKETCHER CONTEST.

1. I will try my best. 2. Incomplete address. 3. Mail, etc. at.

R A N D O M F A S H I O N D E S I G N

1. Blackbird. 2. Hen. 3. Herring. 4. Herring. 5. Gull. 6. Gull. 7. Gull. 8. Gull. 9. Gull. 10. Gull. 11. Gull. 12. Gull. 13. Gull. 14. Gull. 15. Gull.

PRIZE WINNERS FOR SEPTEMBER. Kate J. Webb, N. Y.; J. M. Leach, N. A.; Sarah K. Newton, Mass.; Oliver J. Hastings, N. H.; Nancy W. Brown, N. H.; Mrs. Myrtle C. Burdick, N. H.; W. H. Tracy, Pa.; Joseph Gardner, Pa.; W. B. M. C. Wood, Va.; Kate J. Webb, Mass.; Mrs. R. C. Hill, Va.; K. Mason, Va.; M. L. J. Coe, N. Y.

HERE IS HEALTH

For all who have Weak Lungs

FREE



SPECIAL NOTE—The Slocum System is medicine reduced to an exact science by the world's foremost specialist, and advantage should be taken of Dr. Slocum's generous offer.

THESE FOUR REMEDIES

Represent a New system of treatment for the weak and for those suffering from Consumption, wasting diseases or inflammatory conditions of nose, throat and lungs.

The treatment is free. You have only to write to obtain it.

Its efficacy is explained as simply as possible below.

By the new system devised by DR. T. A. SLOCUM, the great specialist in pulmonary and kindred diseases, all the requirements of the sick body are supplied by his Special Treatment known as The Slocum System.

Whatever your disease one or more of these four preparations will be of benefit to you.

According to the needs of your case, fully explained in the Treatise given free with the free medicine, you may take one, or any two, or three, or all four, in combination.

A cure is certain if the simple directions are followed.

The Remedies are especially adapted for those who suffer from weak lungs, coughs, sore throat, bronchitis, catarrh, CONSUMPTION and other pulmonary troubles.

But they are also of wonderful efficacy in the upbuilding of weak systems, in purifying the blood, making flesh, and restoring to weak, fallow people vigorous and healthy constitutions.

The many ailments of women and delicate children are speedily relieved.

The basis of the entire System is a flesh-building, nerve and tissue-renewing food.

Every invalid and sick person needs strength. This food gives it.

Many people get the complete system for the sake of the Emulsion of Cod Liver Oil, which they themselves need, and give away the other three preparations to their friends.

The second article is a Tonic. It is good for weak, thin, dyspeptic, nervous people, for those who have no appetite, who need bracing up.

Thousands take only the Emulsion and the Tonic.

The third preparation is a medicinal healing cream, in patent Ozojell nasal tubes. It cures catarrh. It helps all irritation of the nose, throat and mucous membranes. It gives immediate relief. It is also a dainty application for sore lips and rough skin.

Thousands of our readers need the Ozojell Cure for Catarrh without any of the other articles.

The fourth article is an Expectant, Cough and Cold Cure. Can positively be relied upon. Is absolutely safe for children, goes to the very root of the trouble, and not merely alleviates, but cures.

The four preparations form a panoply of strength against disease in whatever shape it may attack you.

THE FREE TRIAL—WRITE

To obtain these four FREE preparations, illustrated above, all you have to do is to write to

DR. T. A. SLOCUM, 98 Pine St., New York, giving full address. The four free remedies will then be sent you direct from laboratories. When writing the Doctor please tell him you read this in FARM AND HOME and greatly oblige.

Young America.

LEAD PENCIL.

The first thing I remember, I was in a deep, dark place. Never in that long, long time saw I the sun's bright face.

NELLIE KELSEY.

LIGHTNING BUG.

When darkening clouds are overhead, My first lights up the skies.

NELLIE KELSEY.

FROM OUR YOUNG AMERICANS.

Bubble Over—I am deeply interested in the collection of minerals, relics and natural specimens of all kinds.

Always Busy—I live in Washington's woods. You may think it is very lonesome, but it is not.

Wheel and Organ—I am in the fifth grade and like to go to school very much.

"Awfully Well"—I live in the extreme southern part of Colorado, adjoining Utah, one of the most interesting parts of the world.

Author—I live in town in winter because there is no school I can go to in the country.

Summer—I live in a little village two miles from the Pacific ocean and I go in bathing lots of times.

In school. The teacher doesn't seem to think so, though. I have got four subscribers for the F & H already, and I expect to get more.

Help—Githel, I like you. Like to read good books. Last year I read 32 books.

Wonderland—I always like when reading from the pen of anyone, to know their name and where from.

Spiteful—Looking over the columns of the F & H, my eye caught the words "Fretful Midget."

Ira's Poem—I live on a farm of 160 acres. My teacher's name is George M. Tedrick.

Once there was a little boy Who said he had a little horse.

Measles—I have a sister 16 years old and we live in the city.

"Auntie"—I am 5 ft 3 in tall and have brown hair and gray eyes.

Not Ashamed—Kittie Griffin, I too am a farmer's daughter and am not ashamed of it.

Canadians—Are Canadians included with the Young Americans? If so I think I will write a little.

DISCOVERED BY A WOMAN. I have discovered a positive cure for all female diseases and the piles.

THE HEALTH HABIT

Just as Easy to Form as Any Other.

We do not deliberately form our pet habits, but they are unconsciously acquired and grow as we grow.

Then why not form a good habit, a habit which will counteract the many bad ones.

The best health habit to get into is to have and keep a vigorous stomach.

Form the habit of taking after meals some harmless but efficient digestive.

Nature furnishes us with such digestives and when they are combined in such a pleasant preparation as Stuart's Dyspepsia Tablets.

The habit of taking Stuart's Dyspepsia Tablets after meals is as necessary to the weak stomach as food itself.

Many families consider Stuart's Tablets as essential in the house as knives and forks.

They consist entirely of natural digestive principle without the effect or characteristics of drugs.

Take into account your bad habits and the expense they entail.

Ask the clerk in any drug store the name of the most successful and popular stomach remedy.

Only 20 Cents. For complete list of books, including Farm Journal, Harper's Magazine, etc. C. A. A. Manufacturing Co.

AGENTS WANTED. The greatest household convenience ever put on the market. THE LIGHTNING FIRE KINDLER.

AMERICAN FIRE KINDLER BUILDS FIRES. Used in a million homes. W. T. Farnall, Kansas City, Mo.

MAGIC GOLDMETER for hunting minerals, gold and silver. STAUFFER, Dept. J. H. Harrisburg, Pa.

PHOTO-ENGRAVING and ELECTROTYPING. We have unrivalled facilities by reason of skilled workmen.

FREE SCHOLARSHIPS TO A LIMITED NUMBER OF ENGINEERING STUDENTS.

Farm and Home Clubbing List

Read it and see how money can be saved.

We give herewith a list of some of the leading publications which we can furnish in connection with Farm and Home.

Table with columns: Publication Name, Cost Separately, Our Price. Includes American Agriculturist, Farm Journal, Harper's Magazine, etc.

Subscribers to the Youth's Companion will receive the Thanksgiving Christmas and New Year's double numbers for two years.

If two or more papers in the list are desired in connection with FARM AND HOME, write us for special quotations.

Remit by postoffice or express money order, check, draft or registered letter.

Address all orders to FARM AND HOME, SPRINGFIELD, MASS., or CHICAGO, ILL.

WE WANT Agents

We want at least one good agent at every postoffice where we are not at present represented.

Address FARM AND HOME, Springfield, Mass., or Chicago, Ill.

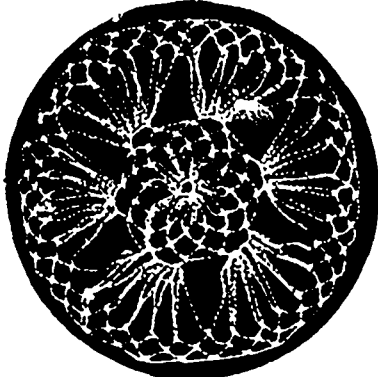


SACHET AND DOLLY.

Two circles of sheet wadding well filled with heliotrope powder and a cover crocheted of lilac silkateen are the materials required for the sachet. Ch 6, join.

2d row—\* Ch 12, s c in ring, repeat from \* 11 times, ch 6, s c in 1st loop of 12 ch.

3d row—\* Ch 6, s c in ) of loop, repeat from \* 11 times, ch 3, s c in ch 6. 4th and 5th rows—Like 3d.



6th row—\* Ch 21, s c in 6 ch, repeat from \* 5 times, ch 24, skip 1 loop s c in next, repeat, making 6 bunches of 16 ch, ch 12, fasten in top of 1st loop.

7th row—Ch 6, s c in each loop all around.

8th and 9th rows—Ch 3, s c in 1st loop, then ch 6, s c in each loop all around.

Make two circles, fasten over sachet by pinning in place, then crochet together with a ch 6, s c in each loop of 6 ch, pick up a loop from each side. A lovely cushion can be made of bright silk and covered with this pattern. Seven of these wheels joined together will make a pretty tidy.

In the dolly the flower is made of pink and the leaf of green silkateen. For the former, ch 6, join, ch 3, d c, \* ch 2, d c, repeat from \* 4 times, sl st in top 3 ch, 10 d c in 2 ch, s c in a c, repeat. Make 5 flowers.

With the green ch 6, join, ch 3, 20 d c in ring.

2d row—Ch 12, sl st in 6th st of ch, making loop, turn. \* ch 5, sl st in loop, repeat from \* twice, making 3 loops on 1st loop.

3d row—D c 10 in each loop, making clover leaf, 10 s c on stem, 3 s c on d c of center, repeat until there are 3 leaves, joining as made.

Where the leaves join make 5 s c, take one of the flowers, fasten in center of a petal, 5 s c, 12 ch for a clover leaf as before, fastening it to 2d petal of flower. Repeat until all the flowers are separated by leaves. The flower can be made like a pansy by making 2 petals with 15 l t c. On the 3 small petals put a row of s c and on the large 3 ch, 1 s c around. [Lilla E. Hunting.]

KNITTED SILK MITTENS.

This pattern is large enough for a person who wears a 6 1/2 kid glove. Cast 22 st on each needle. K 4 rounds plain.

5th row—O, k 2 tog.

6th row—Plain.

7th row—O, k 2 tog. K 7 rows plain.

15th row—O, k 2 tog.

16th row—Plain.

17th row—O, k 2 tog. K 6 rows plain.

24th row—O, k 2 tog.

25th row—Plain.

26th row—O, k 2 tog. K 21 rows plain.

Now work band of ribs by k 1 and p 1. Repeat this 6 rounds. Make holes in which to thread ribbon or elastic, as follows:

1st row—K 1, p 1, o twice, k 2 tog. Repeat.

2d row—K 1, p 1, k 1 loop, p 1 loop, k 2, p 1, k 1 loop, p 1 loop. Repeat from "k 2." Last st of round k 1.

3d row—K 1, p 1, k 2 tog, p 1, k 1, p 1, k 2 tog. Repeat from 2d "p 1." Continue rib, k 1, p 1, 6 rounds more. K 7 rows plain.

Now start fancy back and thumb same round. The back leave 20 st on 3d needle. O, k 2 tog, 4 times, k 4 plain, o, k 2 tog, 4 times.

Thumb is started next needle after

starting back. K 7 st plain, p 1, make 2 st, p 1, k 4 rows plain, p the st as you come to them, making 2 st every 4th round, until you have made from 27 to 29 st between 2 purled st.

Slip off thumb st with darning needle and piece of thread, the ends securely, and even up st on 2 needles for hand, leaving back same as commenced.

K 7 rounds plain on back, repeating (o, k 2 tog, 4 times, k 4 plain, o, k 2 tog, 4 times) every 8th round.

K 50 rounds in an average mitten, more or less rows according to length of hand.

In narrowing off, k 2 tog, 4 s, k 2 tog, k 8, repeat whole round.

K 8 rounds plain, k 2 tog, k 7, k 2 tog, k 7 same as before. K 7 rounds plain. K 2 tog, k 6. Repeat round, 6 rounds plain. K 2 tog, k 5. Repeat round, 5 rounds plain, k 2 tog, k 4, k 4 rounds plain.

Narrow 3 times each round after this until each needle contains 4 st. Then narrow each time, until there are 2 remaining st. Draw yarn through these and fasten off mitten.

Now pick up thumb st, equally dividing them on 3 needles. K about 40 rounds plain, according to size of mitten. Narrow once each time until there are 2 st on each needle. Finish off as in hand.

It requires two large balls of knitting silk to make a pair of mittens, in black Saxony wool 1 1/2 skeins, and in black silkateen 2 balls. Silkateen, which is cotton with a silk touch, makes strong, durable mittens. They will turn brown, but these mittens will still be driving or working out of doors when only a slight protection for the hands is needed. When large enough they are nice to draw over kid gloves for extra warmth, or over wool mittens for driving. A mitten made of fine Saxony yarn does not last long for driving, but when these strong cotton ones are drawn over, they supply strength and warmth too.

A silkateen mitten requires same number of stitches as silk, while Saxony takes less, 18 or 19 st on a needle being all that is necessary.

In making a fancy back mitten, be careful to make them lefts and rights, by starting thumb on third needle in second mitten. Allow same number of st from back as in first.—[Sarah Rodney.]

Baby's Petticoat—Use white Berlin wool 2 oz and medium-sized crochet hook. Ch 150, join. 1st round—Ch 3 (counting as 1 d c), 2 d c in 1st st of ch, ch 1, 3 d c in same st of ch, 5 d c in next 5 st of ch (1 d c in each st), skip 2 st of ch, 5 d c in next 5, 3 d c in next st, ch 1, 3 d c in same st, and so continue. 2d round—Shell in shell, 3 d c in 1st 3 d c of 5 d c of 1st round (taking up two top loops with needle), 2 d c in 4th, 2 d c in 2d d c of next 5 d c, 3 d c in last 3 d c, sh in sh, and so finish round. Repeat till there are 12 rounds, with 12 scallops, each divided by the 2 st skipped. 13th round \* 11 c 4 between 2d and 3d d c of sh, 4 d c between 4th and 5th, 4 d c in 1st of 5 d c, 4 d c in 4th d c, 4 d c in 2d of next 5 d c, 4 d c in 5th of 5 d c, \* repeat between stars. 14th round—Sh of 4 d c between every sh of 13th round and sh of 4 d c in every sh of 13th round. 15th round—Like 14th. 16th round—Sh between every sh. Work two more rows like this. Sew on band. If not long enough make more rows in the yoke.—[A. B. A.]

"Our Boy"—Many a boy owes his inclination to want to be a wild west cowboy, to some tale read between yellow backs, and it may have been loaned to him by some boy associate. If care has been taken that said boy has been given wholesome reading, he will outgrow this inclination. But as we cannot always regulate the reading matter of his associates, it is of double importance that "our boy" should have the best.—[A. N. Springer.]

Children Often Starved—The popular idea is that errors in diet, particularly a hearty supper, are responsible for poor sleep. Consequently, many children's appetites are curbed, the supper is a very light and an early meal, the child being sent to bed with an empty stomach, to grind upon itself and tease the brain with impertinently until morning. Few children, properly cared for, eat too much. A great many are unintentionally starved, and show it in their attenuated forms and poor-

ly-organized tissues. Growing children can manage a great deal of nutritious food if they get fresh air, exercise and recreation in proportion.

Essentials in the Home—In the home, the things that are of vital interest to the family or to any member of the family should be discussed by the whole family and should receive the best thought of each member. But the numberless other things that will come up in even the best regulated households, should not be allowed to make even a ripple in the smooth current of everyday life.—[Pharma Balr.]

CATARH CAN BE CURED.

Catarh is a direct ailment of consumption, long considered incurable, and yet there is one remedy that will positively cure catarh in any of its stages. For many years this remedy was used by the late Dr. Stevens, a widely noted authority on all diseases of the throat and lungs. Having tested its wonderful curative power in thousands of cases, and desiring to relieve him in suffering, I will send free of charge to all sufferers from Catarh, Asthma, Consumption and nervous diseases, this recipe, in German, French, or English, with full directions for preparing and using. Sent by mail to addressing, with stamp, to my care, W. A. Joyce, 517 Powers Block, Rochester, N. Y.

PARALYSIS Locomotor Ataxia conquered at last. Doctors puzzled. Specialists amazed at recovery of patients thought incurable, by DR. CHAS. S. BLOOD AND NERVE FOOD. Write me about your case. Address and proof of cure FREE. DR. CHASE, 224 N. 10th St., PHILADELPHIA, PA.

SAVE 1/2 YOUR FUEL. Money refunded if not satisfactory. Write for booklet on economy in heating homes. WASTED UP CHIMNEY BY USING THE ROCHESTER RADIATOR. Cost \$2.00 and up. ROCHESTER RADIATOR CO. 2 FARMER ST., ROCHESTER, N. Y.

THE World's Washer. SENT ON TRIAL. No money paid until you are satisfied. Greatest labor saver of the 19th century. Agents Wanted Everywhere. Sell easy. I pay freight. Circulars free. Write for full information. C. E. ROSS, 415 Clean St., Lincoln, Ill.

The New Era ACETYLENE GAS MACHINE. Gives the best light in the world. From one-half to one-third the expense of other lights. New principal. GREAT SUCCESS. Costs but a little and can be installed by anyone in public or private buildings. AGENTS WANTED. THE RUNDLE MFG. WORKS, N.Y. Try it: if as represented keep it.

Casket of Jewels FREE. This beautiful Jewel Casket is silk lined, has a hinged cover and contains all of the following pieces of jewelry: Gold Watch Chain and Charm, Brooch and Locket, 4 Pearl Pins, Diamond Turquoise, Ruby, Emerald, Opal, Garnet, Pearl, Pearl Ring, Pearl Cuff Buttons, 4 Silk, 4 Pins, Fly, Butterfly, Horseshoe, Starfish, 3 Hearts, Enamelled Brooch, Trinity Heart, Emerald Bell Pin and 3 Ruby Pins. This jewelry is fine gold plated, and the stones are exquisite imitations of the precious gems they represent. You can get this beautiful Jewel Casket with the twenty-four pieces of fine jewelry absolutely free for selling only eight boxes of our Ounce of Prevention Tablets, The Great Gold Remedy and Headache Cure. (Cures Cold in the Head) Write for details and Ounce! If you agree to sell only eight boxes at 25 cents a box, write today, and we will send you this beautiful premium, exactly as described same day money is received. If you do not sell all of the tablets, we will send you two pieces of jewelry for each box sold. This is a grand opportunity to get a charming assortment of elegant jewelry for a very little work. Write today to NATIONAL MEDICINE CO., Lock Box 10 M 1010 Chapel Street, New Haven, Conn.

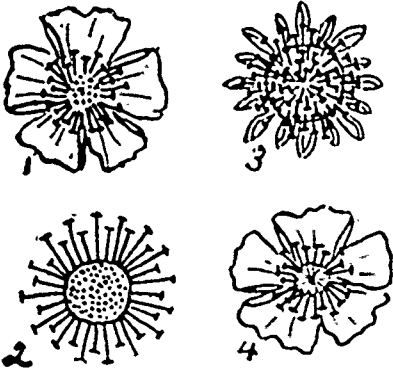
\$2.75 BUYS \$6.00 DRESS PATTERN. For \$2.75 we furnish a full dress pattern of six yards of genuine 42-inch Pterola Two Tone Mercerized Crepon, your choice of colorings, goods that retail everywhere at \$1.00. SEND NO MONEY. Cut this ad. out, mention No. 204K, and your name, and we will send you a big, full dress pattern of six yards of this 42-inch, new style PTEROLA MERCERIZED CREPON by express, C. O. D., subject to the usual terms. You can examine the goods at your express office, and if found perfectly satisfactory, exactly as represented, such a dress pattern as you could not buy from your storekeeper at home at less than \$6.00, a class of goods that is seldom found in country stores at any price, pronounced by everyone the greatest value ever shown in your section. The actual cost of fashioning the dress from this pattern is only \$2.75. THIS HANDSOME NEW MERCERIZED PTEROLA CREPON is one of the most desirable of fabrics for a fancy colored or past colored dress. Comes in heliotrope and black, gold and black, turquoise and black, black and white, green and black, blue and red, navy and turquoise, green and red, cardinal and black, brown and gold, olive and cerise, also black. Be sure to state color wanted. We have bought these goods direct from one of the largest mills under a POSITIVE GUARANTEE for quality. OUR SPECIAL \$2.75 PRICE is the actual cost to producer, is less than dealers can buy in hundred piece lots, is such value as was never before offered by any house. We make this heretofore unheard of price of \$2.75 for a full-sized dress pattern to advertise our dress goods department and get people everywhere to need for samples. OUR FREE DRESS GOODS BOOKLET, NO. 6K, contains a big line of samples of dress goods for fall and winter. Mailed free to any address on application. ORDER TODAY! DON'T DELAY! While these goods are gone they never again can be offered at the price. Address, SEARS, ROEBUCK & CO., CHICAGO.

CALIFORNIA FIRST-CLASS PULLMAN SLEEPERS. DAILY BETWEEN CHICAGO AND SAN FRANCISCO WITHOUT CHANGE. CARRIED ON LIMITED TRAINS OF THE ROCK ISLAND—D. & R. G.—R. O. W.—SOU. PAC., PASSING THE MAGNIFICENT SCENERY OF THE ROCKIES AND SIERRA NEVADA BY DAYLIGHT IN BOTH DIRECTIONS. DIRECT CONNECTIONS TO AND FROM LOS ANGELES. BEST DINING CAR SERVICE. GREAT ROCK ISLAND ROUTE. PERSONALLY CONDUCTED TOURIST EXCURSIONS TO SAN FRANCISCO AND LOS ANGELES. LEAVE BOSTON EVERY MONDAY VIA CHICAGO AND SOUTHERN ROUTE THROUGH OKLAHOMA AND TEXAS. LEAVE BOSTON EVERY MONDAY AND WEDNESDAY VIA BUFFALO, CHICAGO AND SCENIC ROUTE THROUGH COLORADO AND UTAH. LATEST IMPROVED TOURIST CARS. FAST TRAINS. LOWEST RATES. SEND FOR "CHICAGO TO CALIFORNIA" DESCRIBING FIRST-CLASS SERVICE, OR FOR "TOURIST DICTIONARY" AND ITINERARY TO I. L. LOOMIS, N. E. P. A., 290 WASHINGTON ST., BOSTON, MASS. JOHN SEBASTIAN, GEN'L PASS. AGT., CHICAGO.

For Holiday Gifts.

HOLIDAY SUGGESTIONS.

Little ornamental devices for holding pins are shown in the first group of cuts. No 1 represents a wild rose. For the center cut two rounds of yellow satin or velvet 1 1/2 in in diameter. If of satin make a few French knots in yellow in center of one piece and sew to it 5 loops of 2-in wide pink satin ribbon to represent petals. Blindstitch the other round to the first and before



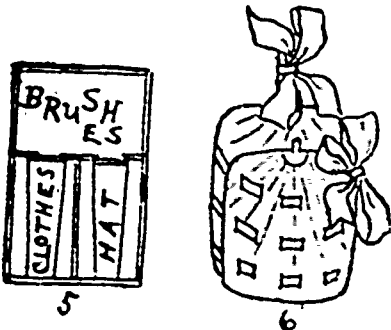
closing stuff solid to make a little cushion for the pins, which are put in around the center to form the stamens. Make four or five roses in all and attach to different lengths of 1/2-in wide ribbon in pink (or green, if preferred), to carry out the stem idea. Join with a bow at the top and the ornament is ready for suspension from any projecting point.

No 2 is made the same way, omitting the ribbon petals, more pins being inserted in irregular way and it might be called a daisy. No 3 is made with a center of green, the sepals of loops in different lengths of No 1 or baby satin ribbon in green. Fill the whole center with pins and a dandelion gone to seed will be the result. No 4 is a poppy and can be developed in red. It differs only from No 1 in having a little puff of green in the center to simulate the seed pod.

The brush bag in No 5 is made of ecru linen, blue denim or duck, bound with braid or ribbon of suitable color. Cut the back about 1 ft long by 7 in wide, and the pocket 5 in long 9 in wide, box plaiting in the extra fullness, as in the cut. The dimensions can suit the individual taste.

No 6 is a wall pocket made of Japanese or palm leaf fans and needs no description. The butterfly in No 7 is a cover for shaving paper. Cut the butterfly from brown or yellow cartridge paper and make the markings in water color. Fold over and stitch in several pieces of delicately tinted tissue paper in the same size and shape fasten on a brass ring, crocheted over if preferred, and a useful little gift for a man is the product.

The cover of the needlebook is cardboard covered with linen on which is outlined a clock in black, the needle is white and thread, forming the words



"Never too late to mend." red The leaves are flannel buttonholed long and short on the edge in red. Two pieces of red ribbon to tie it together at the front edges would add to its attractiveness.

A pretty and useful gift is a fancy-work bag, made of two handkerchiefs with a lacy open edge at stitched together just inside the border on three sides. Cat-stitch the fourth side of each handkerchief separately and run a ribbon through from each side for a draw.

A useful and pretty adjunct for a writing desk is made of a little dictionary with thumb index and stiff paper covers. Re-cover with ecru linen on which are painted or outlined a num-

ber of letters of the alphabet, scattered carelessly here and there over the surface, in sort of anagram style. These little books cost only 10c and can be purchased at any large book or department store.

A ribbon tape measure can be easily made. Half-inch or a little wider ribbon in a pretty, delicate shade is used. Mark off the measurements in gilt, black or sepla, and if possible paint or embroider delicate sprays of flowers here and there.

To make a pretty jewel casket, proceed as follows: Cut a round of cardboard 6 in across and cover one side with elderdown in a light, pretty shade. For the other side, fine cambric or percaline will do. From cardboard cut three pieces 8 in long and 3/4 in wide. Cover these also with the elderdown, join each round and tack the three neatly on the large round so the sides of the small rounds touch. For a cover take a piece of silk or ribbon to match elderdown, 1 yd long and 4 1/2 in wide. If of silk, fringe one side, join ends, gather the other side, draw close and attach to base of casket at center between three rounds. A frill of very filmy lace the same length and a little narrower, gathered and fastened in the center over the silk, and a many-looped bow of baby ribbon to cover the fastening, complete a very dainty affair. Sachet powder can be sprinkled in the foundation.

A "Coming Events" pad will serve as a useful reminder, and on it can be jotted engagements or any future pleasure or duty which requires attention. Make the cover of mat board a little larger than the pad and on it print "Coming Events" in some dark color, edging the letters with gilt. A floral decoration in water colors will add to the decorative effect. Attach to the top a small lead pencil with narrow ribbon and finish with a bow, or make a loop



of ribbon for suspending. A tablet for the guest chamber can be made in the same way. Letter the cover with some appropriate lines, perhaps the following:

"As thou hast this chamber with thy presence blest, So may thy slumbers hold no unbidden guest. And on the morrow this may thy name adorn As one who, rested well, doth greet the morn."

[Mary Bradford.]

SUITABLE GIFTS

Christmas presents, as viewed by the receiver, often present a very different aspect to that intended by the giver. Not that the love which prompted the gift is valued the less, but that the gift in itself is utterly unsuited to the recipient. As Christmas time draws near the mind becomes filled, and the time taken up as far as possible, with the presents for the different friends and relatives far and near. Secret drawers and nooks are filled with bundles of various shapes and sizes, covered with tissue paper, perhaps, and tied with baby ribbon of many colors.

But while you are arranging all these little tokens of love and respect, does the thought never occur to you that you may be giving the wrong thing to the wrong person? Great care should be taken about this, and in giving presents the recipient's circumstances and needs should be taken into consideration and the gift adapted to them. For example, what would Mrs Randolph, who, we will suppose, lives in a very small house, and who has not a jewel in the world, do with a silver jewel basket, beautiful though it may be? A pair of towels, even, would be far more appropriate. The right thing in the right place" should be the motto at Christmas time, and if it were followed, I think a great many people would be not only pleased, but benefited by their gifts of that season.

Now about presents. What is or is not acceptable? Of course opinions differ on this point, but there are a few things that can always be relied upon. Handkerchiefs, for example, are always use-

ful, and such pretty ones can be had for such comparatively small prices nowadays, that a half-dozen or so fixed in a pretty box, make a handsome little gift. Books, too, to students and readers, will always be welcome. An author's works in sets bound in different colors, such as dark green and old gold, are pretty. These, together with sachets, perfumes, stationery and such like, make suitable selections.—[Dorothy Maxwell.]

GIFTS FROM ODDS AND ENDS.

Many odds and ends of material with ingenuity and taste and the expenditure of a few dimes can be converted into pretty Christmas gifts. There are charming landscapes and no end of cute and pretty children's figures in advertisements which can be utilized in many effective ways.

Match Scratcher: With a sharp knife cut an oblong-shaped card from mat-board and ornament edges with gold paint, or get cards of photographer. Cut a pretty woman from a colored fashion plate, mount on card and glue sandpaper exact size and shape of dress over skirt and gird edges of same; through two holes near top of card insert narrow ribbon and tie in long-looped bow at center.

Calendar: On a gray oblong photograph card mount a fine black and white view from a railroad tourist advertisement, near upper left corner, and a calendar pad near lower right; suspend with red ribbon.

Box of Writing Paper: Ornament box with water colors, crepe paper or a silk cover; make sachet of heavy azure



Dogmatic People

Are often capable of doing injury to less positive people, the very emphasis of their affirmation making up for lack of argument and want of evidence. And the worst of all dogmatists are those doctors who, harking back to some old dogma of the schools, insist that certain patients are beyond all medical help, because, forsooth, their diseases are beyond the limited medical knowledge of the dogmatist.

"When the physicians had given me up I was cured by the use of Dr Pierce's Golden Medical Discovery." That statement, varied sometimes in form but identical in fact, is one of the common expressions found in the letters of those cured by "Golden Medical Discovery." Sometimes the statement runs, "I was given up by four doctors," showing a desperate effort to find relief in local practitioners. But however the story begins, it almost invariably ends with the statement, "I am perfectly cured by Dr Pierce's Golden Medical Discovery."

Persons suffering from "weak" lungs, hemorrhages, deep-seated cough, emaciation and weakness, have been restored to perfect health by the "Discovery."

"ALMOST A MIRACLE." "I took a severe cold which settled in the bronchial tubes," writes Mr Frank Hag, of Scitoville, Jefferson Co, Kansas. "After trying medicines labeled 'Sore Cures' almost without number, I was led to try Dr Pierce's Golden Medical Discovery. I took two bottles and was cured, and have stayed cured."

"When I think of the great pain I had to endure, and the terrible cough I had, it seems almost a miracle that I was so soon relieved."

Dr Pierce's Pleasant Pellets cure constipation. They do not react upon the system and become a necessity, as do many other pills.

FREE RHEUMATISM CURE!

If you have Rheumatism, Gout, Lumbago, Sciatica, etc., when doctors fail to cure you, you write to me and I will send you free of cost, a trial package of the most wonderful remedy which cured me and thousands of others, among them cases of over 40 years standing. This is no humbug or deception but an honest remedy that cured more than 50,000 persons in the past. Address: JOHN A. SMITH, 745 Germania Building, Milwaukee, Wis.

TERRIFF'S PERFECT WASHER



SENT ON TRIAL at whole sale price. If not satisfactory money will be refunded. GUARANTEED to wash as clean as can be done on the washboard, even to the wrist, and neckbands of the most soiled shirt, and with far greater ease. Does not wear out the clothes. Economical, saves labor and time. AGENTS WANTED. Exclusive territory given. Big money made. For terms and prices Address, Portland Mfg. Co. Box 3, Portland, Mich.

PAYS to write for our 300-page free book. Tells how men with small capital can make money with a Magic Lantern or Microprojector.

Advertisement for a watch with a price of \$59.50 and a 17 JEWEL movement. Includes details about the watch's features and where to purchase it.

\$2.00 RAINCOAT OFFER

Advertisement for a \$2.00 raincoat. Includes an illustration of a man in a raincoat and text describing the offer and the quality of the garment.

See Our New Premium List

Advertisement for a Premium List. Includes text about the list's contents, how to obtain it, and the publisher's address: FARM AND HOME, Springfield, Mass., or Chicago, Ill.



or other tinted linen envelope, cut slit  $\frac{1}{2}$  in long and same distance from edge at center of sides and ends; make a flat silk sachet 1 in smaller each way than envelope; use violet or orris root powder; trim off corners of envelope rounding, slip sachet inside and seal draw a piece of half-inch satin ribbon through slits at end of envelope, a shorter one through sides; bring together and tie in many-looped bow at center of front.

**Pincushion:** Make a pincushion in wide by 10 in long and fill firmly with bran, pushing the corners out well; cover with plain ribbon, silk or velvet, sewing neatly along sides; pass No 1 or 2 in ribbon of suitable color and double around cushion  $2\frac{1}{2}$  in from each end and tie in many-looped bow with short ends at center of front. Stick white-headed pins in one end division, black-tipped in the other, and common dressing pins in center.

**Pin Book.** This consists of leaves graduated in width, filled with different-sized pins, glued together like the leaves of a book, and can be had for a trifle in any shop. Make silk cover, envelope shape, by covering two pieces of some shape and size, neatly over-hand stitching together; glue book inside with lower edge even with straight end of cover; bring upper end of cover up at back, make two eyelets at each end, draw narrow ribbon through and tie in bow with short ends, sew  $\frac{1}{2}$  yard of ribbon at center of flap for tying around book.

**Playing Blocks.** Blocks of different sizes and shapes can be had for the asking of any house builder. Stain thoroughly with olive green or other dark diamond dye, when dry, paste pretty pictures, large letters or figures on each side.—[Katherine B. Johnson.

**SILK PURSE**

The materials needed are a spool of black knitting silk, a bunch of steel beads, No 16, and a brass ring large enough to slip the finger through.

1st row—Ch 65, turn, 3 d c in 3d st of ch, \* 2 ch, 3 d c in 3d st from shell, \* repeat to end of ch, turn.  
2d row—Ch 5, \* 3 d c in space, 2 ch, \* repeat. At end of row, 2 ch, 1 d c in 1st shell of 1st row, turn.  
3d row—Ch 3, 2 d c in space, finish like other rows. Make 18 rows in all.  
19th row—Crochet any half-way across.  
20th row—Like previous row except decrease one shell and continue thus in each row until only one shell is left. Fasten thread.

Fold wide part over and sew or crochet sides together to form pocket, letting flap fall over opening. Make another pocket like this and cover ring with s c.

Make a chain  $2\frac{1}{2}$  yds long and fasten one end securely at one corner of open side of pocket. Put it through opposite mesh on back part of pocket, slip through ring and carry across to other pocket, through a mesh at one side and directly across from top of pocket, through a mesh that is on top of pocket, across a shell to next mesh on pocket, through it and one opposite, back through ring to other purse, through meshes and continue to weave it back and forth until all meshes are used. Fasten end of ch securely, get chains even and fasten ring to all of them half way between two pockets. String the beads, make a double row of loops, 30 beads in a loop, across bottom and around flap of each pocket.

Any other color silk and jet beads will do, but if beads larger than steel ones are used, do not use as many. This makes a very pretty Christmas gift and is so simple that a child could make it.—[A. R. M.

**Crocheted Watch Guard**—Use brown or black purse silk. Commence at hook c 1 with 3 ch, pass ch through ring of c 1 hook, work 1 s c in 1st of 3 ch, 1 s c between the 2 perpendicular loops of last s c, repeat from \* 12 times. This makes a sort of double ch. Next work 12 s c in last of ch (6 in front of ch and 6 in center) and join round with sl st. Then 1 s c in 1st of 1st row, 2 s c into next st, repeat to end of round. Repeat 2d round twice more. Place a round button (or 2 half-round buttons put together) in half of crocheted ball just made, and work other half over button, decreasing in same proportion as you increased for first half, that is, work 1 s c in a st, pass over 1 st and

1 s c in next. Repeat to end of round. Decrease next 3 rounds in same proportion and join at of last round exactly in center with 1 sl st. Repeat double ch first made, then work another ball and so on until there are 7 with same length of ch between each. Make a bar to fasten in buttonhole by working over a barrel-shaped button or piece of wood in same manner ball was worked. Two ends with 2 balls, each of a smaller size, should be attached to the bar. This chain is very pretty and both quickly and easily made. [Mary Foster Snider.

**Raveling**—When you hem new table linen, save every long raveling and wind it on a spool. It will make an immaculate darn when worn places begin to show.—[J. G. C.

**Lounging Cap**—This comfortable house cap for men requires 4 half-ounce spools of crochet silk. Crochet in s c a crown 22 to 23 in in circumference according to size of head, widening only enough to keep work perfectly flat. Crochet in s c without widening to the desired depth. The edge to be turned up should be in shell stitch.—[J. G. T.

**Mr Dooley's Philosophy** (who does not know the genial philosopher of Chicago whose talks with "Hennessy" are spread broadcast in the newspapers) is a book containing the best Dooley talks of the past year, with illustrations. It is published by R. H. Russell, New York city, at \$1.50.

**By Doing a Little Work for Farm and Home among your neighbors and friends you may get a number of useful and valuable premiums without cost, which will more than repay you. If you prefer a cash commission instead of premiums, send for our special cash terms.**

**"We Were Not Disturbed All Night."**  
Please tell us who have reported cures for their children with Whopping Cough or Croup. The record of twenty years shows the great curative and restorative power of Crescine for Whooping Cough, Croup, Hoarseness, Croup, Croup, Croup, Croup and other croup-like diseases. Send 1 cent made at the Yale Pathological Laboratory prove that reported cures are the result of Vapo-Crescine. Send for descriptive booklet with testimonials. Sold by all druggists.  
Vapo-Crescine Co., 100 Fulton St., New York

**EYESIGHT RESTORED**

Failing Eyesight, Cataracts or Blindness Cured without the use of the knife.

Dr. W. O. Coffey, the noted eye specialist of Des Moines, Iowa, has perfected a mild treatment by which anyone suffering from failing eyesight, cataracts, blindness or any disease of the eyes can cure themselves at home. Judge George Edmunds, a leading attorney of Carthage, Ill., 79 years old, was cured of cataracts on both eyes. Mrs. Lucinda Hammond, Aurora, Neb., 77 years old, had cataracts on both eyes and Dr. Coffey's remedies restored her to perfect eyesight. If you are afflicted with any eye trouble write to Dr. Coffey and tell him all about it. He will then tell you just what he can do. He will also send you Free of charge his 80 page book, "The New System of Treating Diseases of the Eye." It is full of interesting and valuable information. All cures are permanent. Write to-day for yourself or friend to

W. O. COFFEY, M. D., 311 Good Book, Des Moines, Ia.

# ENTERPRISE Meat and Food Chopper

No. 5, \$2.00.

All cooks will value its usefulness and convenience; all housekeepers will appreciate its saving of food. It chops all kinds of meats, fish, vegetables and fruits—finely, easily, quickly. Will last for years; every part is strong and durable. No trouble to clean it. A necessity in every household.

Sold at all hardware, housefurnishing and department stores. Illustrated catalogue of other household helps mailed free. Send 2 cents for the "Enterprising Housekeeper"—contains 200 recipes.

THE ENTERPRISE MFG. CO. OF PA.  
Philadelphia, U. S. A.

**WE SHIP ON APPROVAL SEND NO MONEY**  
our famous, reliable, easy running **30 DAY'S FREE TRIAL \$9.00**  
Kenwood & Arlington Machines. **\*\*\* IN YOUR OWN HOME. \*\*\***

Before paying us one cent you can remove the machine from your freight depot, uncrate it, use it in your home 30 days, give it a searching, critical trial on all kinds of work, test the sewing and light running qualities and determine conclusively its strength, efficiency and true worth. This new "on approval" plan is fully explained in our Special Sewing Machine Catalogue, mailed FREE. Write FOR IT. We can give you valuable points in selecting a machine.

**Kenwood & Arlington SEWING MACHINES** sparkle with up-to-date, desirable features such as Self Threading Shuttle, Self Sewing Needle, Automatic Bobbin Winder, etc. 125,000 proud owners praise them. They are cheapest in the end to buy. Guaranteed 20 years. We manufacture twenty-three different styles from \$9 up.

\$16.00	Arlington Jewel.....	\$12.50
\$36.00	Arlington Ball Bearing.....	\$15.45
\$44.00	Kenwood ".....	\$21.50

**Cash Buyers' Union,** 153-164 WEST VAN BUREN ST. DEPT. B-52, CHICAGO, ILL.

**FREE ORGAN \$25.00 UP** **FREE PIANO \$155.00 UP**

A catalogue that will show you how you can purchase an Organ or Piano and save 50 percent. The largest house. The best instruments. The lowest prices and the easiest terms of any house in the United States. Don't fail to get our catalogue and look it over before you buy. All instruments shipped on a year's trial. Combination actions and Orchestral attachment imitating guitar, etc.

**BEETHOVEN PIANO & ORGAN CO.,** BOX 1070 WASHINGTON, N. J.

## LACE CURTAINS FREE

These beautiful Royal Lace L'arior Curtains are of the newest Savoy design, three yards long, 36 inches wide, are washable and will last a lifetime. You can get two pairs of these choice curtains, (same design as in cut), and four beautiful Sach Curtains (one yard square each) FREE by selling our GREAT COLEMAN REMEDY and HEADACHE CURE. Cures Cold in One Day! Relieves Headache at Once! We will give you the curtains absolutely free to anyone taking advantage of the great offer we send to every person selling air boxes of our Tablets. If you agree to sell only six boxes at 25 cents a box, write to-day and we will send the Tablets by mail postpaid. When sold, send us the money and we will send four Sach Curtains, unhemmed, so they may be made to fit any window, together with one of two complete pairs of Royal Lace L'arior Curtains, enough to furnish a room. Same day money is received. This is a grand opportunity for ladies to beautify their homes with the fine Lace Curtains of exquisite design. All who have earned them are delighted. Address: LEWIS & RUSSELL CO., 16 M. Whittemore Block, New Haven, Conn.

## FREE ELECTRIC BELT OFFER.

**THE GENUINE AND ONLY HEIDELBERG ALTERNATING 20-GAUGE CURRENT, AUTOMATIC REGULATING ELECTRIC BELT** is the only electric belt made that takes the place perfectly of the most expensive physician's electric belts made, and is the only belt that gives a current gently permeating the entire system, reaching every nerve, vein and muscle of the body, the only electric treatment (except the physician's big electric machine) for the permanent cure of all nervous, weak and debilitated conditions from any cause.

**AS A GUARANTEE THAT YOU WILL BE SATISFIED IT** send us our Great Power Heidelberg Belt on our **TEN DAYS' FREE TRIAL PLAN**, and if you don't like it, return it to us at once, and we will refund you the full price of the belt. **SEND NO MONEY.** state number of inches around body at waist, just above hips, we will send the belt to you **express**, with the express agent, he will hold the money. **YOU TAKE THE BELT HOME**, wear it ten days, following our simple directions; if you are not benefited immediately, if you are not satisfied it is worth 100 times more to you than all the other belts made, more than all the medicine you can buy, if you are not satisfied from the first day get in ten days that it will effect a speedy cure, return it to your express agent and he will hand you back your \$18.00 and express charges deposited with him and will return it at our expense. On the other hand if you had your free trial belt all and more than we claim for it, and you wish to keep it, at the end of 10 days the express agent will forward the \$18.00 to you. **\$18.00 IS OUR LOWEST PRICE.** (CURRENT BELT cannot be used for less, and you cannot be asked to buy any other.) **FOR A FREE TEN DAYS' TRIAL** under our offer, cut this notice out and mail to us today. Address your order plainly to **SEARS, ROEBUCK & CO., CHICAGO, ILL.**

**WATCH AND CHAIN IN ONE DAY'S WORK**

Boys and Girls can get a Nickel-Plated Watch also a Chain and Charm for wiring 112 doors Park Ave. of Bldgs at 20 cents each. Send your full address by return mail and we will forward the Nickel Watch, and a large Trembling Laid. No money required.

**BLUINE CO., Box 61, Concord Junction, Mass**

**Bona Fide Guaranteed Salary \$900 A YEAR!** MEN AND WOMEN TO REPRESENT APPOINTING AGENTS!

Some to travel, others for local work. Rapid promotion. New territories. Best places, old established houses, local employment. **STAFFORD FLESH CO., New Haven, Conn.**



POTATO VARIETIES.

The colored cooks of the south understand the importance of variety, and one can never tell by to-day's breakfast what to-morrow's will be.

Breakfast: Grate 1 doz raw potatoes, add 1/2 cup melted butter, 1/4 cup sugar, 1/2 teaspoon salt and a little pepper, white preferred. Mix well, putting in a little flour if necessary, and bake in a moderate oven.

Fish: To each cup cold mashed potatoes, add 1/4 cupful minced fish, 1 teaspoonful melted butter, a little onion mixed with minced celery, salt and pepper to taste. Make into balls, using enough flour to hold them in shape, and fry in hot lard or butter.

Ringed: Pare large potatoes and cut in thin rings, by paring round and round as you would an apple. Fry in lard or butter, stirring often. When brown, place in a dish, sprinkle with salt and serve at once.

Balls: Two cups mashed potatoes, 1 well-beaten egg, 1 tablespoon melted butter, salt and pepper to taste. Roll in flour and fry.

German: Pare and slice large potatoes. Place in a baking dish, sprinkle with salt and pepper, and over the top place thin slices of salt pork. Add enough milk to cover, and bake in a moderate oven.

Cakes: To each cup mashed potatoes add 1 well-beaten egg, 1 teaspoon butter, salt and pepper, 1 tablespoon flour and enough milk to make a batter. Fry as you would ordinary griddle cakes and serve hot. Nice with syrup.

Rolls: Boil 6 large potatoes. When done, drain and pass through a colander. Add the beaten yolks of 3 eggs, 1/2 cup cream, 1/2 cup butter, 1 cup grated cheese, salt and pepper to taste. Make into balls, and on a floured bread board roll out into long ovals. Brush over with beaten egg and bake in a hot oven.

Southern: Boll large potatoes and mash. In a baking dish place 1/2 cup sweet milk, 1 tablespoon butter, salt and pepper, 2 cups mashed potatoes and the beaten yolks of 4 eggs. Beat thoroughly and over the top pour the beaten whites of the eggs. Bake 20 minutes in a hot oven and serve in the dish in which they were baked. [Lalla Mitchell.

PUMPKIN BUTTER.

There are several ways of making pumpkin butter. If pumpkins are plenty, remove the seeds from a large one, cut in small pieces and cook until very soft. Cut three pumpkins in pieces, boil them soft, put in a coarse bag and press out the juice. Sift that first cooked, to which add the juice, and cook until it is the thickness of apple butter. Half an hour before it is done add sugar and spice to taste. If the pumpkins are frozen, they will yield the juice more freely, and the butter will not be in the least injured.

Another recipe is to cook the pumpkin as for pies. To every gallon add 1 qt best molasses, 1/2 oz each of allspice, cinnamon and cloves (powder). Cook until of the proper consistency. If made late in the fall and kept in a cool place, it will keep for months, and can be used for pumpkin pies with the addition of milk and cream.

Still another way is to steam the pumpkin, sift then mix with it sugar and butter in the proportion of 1 lb sugar and 4 tablespoons butter to 2 lbs sifted pumpkin. Add a grated lemon rind and let simmer a back of stove until thick. Or, what is better, set the kettle upon bricks until the mixture is thick and transparent. [Claribel.

Yorkshire Pudding—Beat 3 eggs very light, add 1 pt milk and 1 level teaspoon salt. Pour this mixture gradually upon 1 cup sifted flour. Beat thoroughly and pour into well-greased muffin pans. Bake in a quick oven for about three-quarters of an hour. Serve on a heated platter around roast beef. Another way is to bake it under the

meat. When done in this way, the beef should be placed on a rack, which will raise it about two inches from the bottom of the baking tin.—[M. F. S.

Fried Cabbage—Chop cabbage fine, add a little melted butter, with pepper and salt to taste, then stir in 4 table-spoons milk, heat through and add 1 or 2 eggs, according to amount of cabbage. Mix well together and turn into a well-buttered spider. When it is hot, fry a light brown, turning to brown both sides. Serve on a hot platter.—[A. R. Annable.

Squash Biscuit—One cup squash finely mashed as for the table, seasoned with butter and salt, 1 level teaspoon soda, 1 cup sour milk containing 2 table-spoons sour cream. Beat up together with a teaspoon salt and sufficient flour to make a dough to be handled easily. Roll out and cut, and bake as ordinary biscuit.—[L. M. B.

Best Biscuit—Into 1 qt sifted flour rub 2 teaspoons good baking powder and a little salt. Put in 1 tablespoon shortening and add milk or cold water to make a stiff dough. After mixing well, roll out, using a very little flour, cut out and bake in a hot oven 12 minutes. Be sure to bake as soon as mixed and make the biscuit small.—[A. R. A.

Quick Bread—Pour 1/2 pt boiling water into the same amount of milk, let cool and add 1 compressed yeast cake dissolved in a little cold water, with 1 teaspoon salt. Stir in enough good flour to make a soft dough, turn on kneading board and knead 20 minutes. Set to rise for three hours, knead again, put in pans, let rise one hour or until light, and bake 40 minutes.—[A. R. A.

Stew with Dumplings—An excellent dinner can be made with a small amount of chicken, veal or fricasseed beef, in connection with the broth. If liked, add carrots and onions with the meat, a little pepper and salt, and part of the broth, with water to cover all. The whole of the broth, if already thickened, might add to the danger of scorching. The meat being already cooked, a few minutes later add sliced potatoes. When the potatoes are put in, make a dough of sour cream one part to sour milk three parts (1 cup milk and 1-3 cup cream make dumplings enough for a family of five), add 1 teaspoon salt and flour to make stiffer than biscuit, but not hard, with 1 teaspoon each of cream tartar and soda sifted through the flour. Remove kettle to back of stove to stop its boiling for a few minutes while the dumplings, cut like biscuit, are being put in, and be sure the broth does not come up over the tops of the dumplings, else the latter will be heavy. Again set in front of stove, where it will boil again, and cook about 20 minutes, till the dumplings are done. Take up the dumplings and thicken the broth, add-

How to Quit Tobacco.

A new discovery odorous and tasteless, that Ladies can give in coffee or any kind of food, quickly curing the patient without his knowledge. Anyone can have a free trial package by addressing Western Drug and Chemical Co., 127 Fifth and Race Sts., Cincinnati, Ohio.

An Asthma Cure at Last.

It gives us great pleasure to announce the discovery of a positive cure for Asthma. In the wonderful Kola Plant, a new botanic product found on the Congo River, West Africa. The cures wrought by it in the worst cases, are really marvelous. Sufferers of twenty to fifty years' standing have been at once restored to health by the Kola Plant. Among others, many ministers of the gospel testify to its wonderful powers. Rev J. L. Combs, of Martinsburg, West Va. was perhaps the worst case, and was cured by the Kola Plant after fifty years' suffering. Mr. Alfred C. Lewis, Washington, D. C., Editor of the Farmer's Magazine, gives similar testimony, as do many others. To prove to you beyond doubt its wonderful curative power, the Kola Importing Co., No. 1164 Broadway, New York, will send a free case of the Kola Compound free by mail to every reader of Farm and Home who suffers from any form of Asthma. They only ask in return that when cured yourself you will tell your neighbors about it. You should surely try it, as it costs you nothing.

5 DROPS Free 5 DROPS TO SUFFERING HUMANITY A GOD-SEND TO THE AFFLICTED 50,000 BOTTLES TO BE GIVEN AWAY.

So certain are we of the merits of "5-DROPS" and so positive are we of its marvelous curative power, that we have decided to distribute free of charge, 50,000 bottles for trial, knowing that a test will prove that too much cannot be claimed for this wonderful remedy. Wherever it has been used our sales have increased enormously, and although the expense incurred in preparing and mailing this trial treatment will amount to thousands of dollars, we know from experience that the meritorious qualities of "5-DROPS" are such as to warrant our making this liberal offer. The poorest children from sending for it, merely out of curiosity, we ask you to enclose two two-cent stamps to assist in paying postage, and the bottle, together with full and complete directions will be mailed to you at once free, postpaid. Write to-day. Mention this paper when writing.

'5 DROPS' HAS OURED THOUSANDS. WILL OURE YOU

It is positively the only remedy in the world which gives instant success relief to the suffering and effects an absolutely permanent cure. It is the wonder of the medical world and is recommended by the leading physicians of both America and Europe. It has never been known to fail even in the most obstinate cases, many of which had been given up by doctors and called by them incurable. The thousands of kindly letters written us by people who have been cured after all hope was gone, prove beyond question that "5-DROPS" will cure Rheumatism in all its forms and stages of development. Sciatica, Backache, Headache, Gout, Dyspepsia, Asthma, Hay Fever, Catarrh, La Grippe, Liver and Kidney Troubles, Stomachacoe, Nervousness, Nervous and Neuritic Headaches, Earache, Toothache, Heart Weakness, Paralysis, Drooping Eyelids, Etc. It is an absolute necessity in every home. Nothing will take its place, because nothing else can do its work. When the torturing agonies of Rheumatism come on; when your back aches until the pain seems unbearable; when the terrible shooting pains of Neuralgia have you in their grasp, then is the time you want "5-DROPS" for it is positively the only remedy that will give you immediate relief. You need "5-DROPS" in the house because it is the only positive cure for Rheumatism, acute and chronic. The hot summer just passed has left its mark on every one, weakening their nerves, sapping their vitality, destroying ambition, leaving the victim an easy prey to every attack of disease. No person can pass through such a season unharmed. "5-DROPS" will restore your nerves and muscles to sound, vigorous health. It is an unfailing preventative of disease; the greatest builder of nerve-force in the world. No matter if you are well to-day, you may be stricken tomorrow. You need "5-DROPS" in the house. You should never be without it. Buy a bottle today. "5-DROPS" is harmless, and can be used for a young child as well as by an adult. "5-Drops" is the name and dose.

AFFLICTED 25 YEARS. DEATH WAS NEAR.

"I want to thank you for the good your "5-DROPS" has done me and to tell you that for 25 years I have been afflicted with Rheumatism in my right arm and shoulder, and for one year have had no use of it. Crippled, I could not dress myself or handle food in any way. I tried three of the best doctors in Franklin Co. and one Faith doctor. None did me any good. I gave up, expecting always to be crippled, when I came to your "5-DROPS". I bought a bottle of one of your agents and by the time I used a second bottle I was completely cured. I have several friends suffering from the same complaint, and know a lady that has suffered with Rheumatism for 3 years and cannot feed herself. I firmly believe that they can be cured by the use of "5-DROPS". Mrs. SARAH L. DAVIS, Dublin, Ohio.

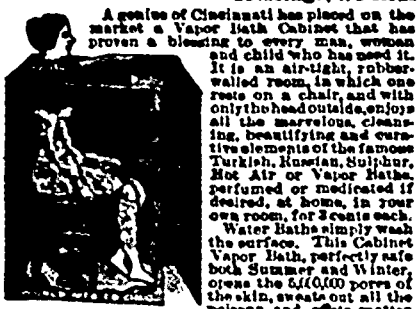
Large size bottle (500 doses) will be sent prepaid to any address for \$1.00. It is not obtainable in your town, order from us direct.

AGENTS MAKE BIG MONEY.

As a "money maker" for agents "5-DROPS" beats anything that can be found. Any person who is willing to work can easily earn \$5.00 to \$10.00 a day selling "5-Drops" because it is an actual necessity in every home. It will save its cost twenty times over by doing away with the doctor's services. We supply our agents with advertising matter, testimonials, etc., so that anyone can immediately become a success with us. "5-DROPS" sells itself, and one order secured invariably means a dozen others from the same locality. Our agents write us this and we know it is a fact. Here is a fair, square, honest business opportunity you cannot afford to let pass by. A chance to make money. A chance to build up a legitimate, profitable business without capital. It will pay you well to write at once for samples, terms and territory. Swanson Rheumatic Cure Co., 160 to 168 Wanson Block, LaSalle & Lake Sts., Chicago.

A REMARKABLE INVENTION BY AN OHIOAN.

As many of our readers may not know of its real comfort and blessings, we illustrate it in this issue.



A genius of Cincinnati has placed on the market a Vapor Bath Cabinet that has proven a blessing to every man, woman and child who has used it. It is an all-night, rubber-walled room, in which one rests on a chair, and with only the head outside, enjoys all the marvelous, cleansing, beautifying and curative elements of the famous Turkish, Russian, Sulphur, Hot Air or Vapor Baths, perfumed or medicated if desired, at home, in your own room, for 30 cents each. Wash the skin, wash the surface. This Cabinet Vapor Bath, perfectly safe both Summer and Winter, opens the 600,000 pores of the skin, sweats out all the poisons and obnoxious matter which cause disease, cleanses your blood, makes your eyes bright, your skin clear, your nerves strong, sleep sound, appetite good.

Nothing is in the improvement in health by its use. Hundreds of Physicians have given up their practice to sell it. Thousands of letters have been written the inventors from users, showing its wonderful power.

Mr. A. R. Stockham, Chicago, editor "Tokology" recommends it highly, as does W. H. Ireland, publisher "Christian Nation," N. Y. City; the well-known evangelist, Rev. J. Howard Gardner; Hon. Chauncey M. Depew; Rev. G. M. Keith, editor "Herald Tribune" and "Sabbath Reading"; G. C. Sherwin, of "World-Wide Mission," and thousands of others.

Mrs. Anna Woodrum, Thurman, Iowa, afflicted 30 years, was promptly cured of Nervous Prostration, Stomach, Kidney and Female Troubles, after medicine and doctors had failed. She recommends it to every woman as a God-sent blessing.

G. M. LaFerry, Covington, Ky., was compelled to quit business, walked on crutches, drugs and doctors failed, his Rheumatism was relieved by the first bath, entirely cured in 14 days.

Irma Gleason, a prominent citizen of Miss., cured herself of Lumbago and her friends of Blood and Skin Disease, Kidney Affections, Nervousness, Piles, etc., and made \$1,777.00 selling this Cabinet in 10 months. No reader can afford to be without this cabinet for a single day.

The makers guarantee results and accept positively, as do thousands of users, that this Cabinet will Purify the Blood, cure Nervousness, Weakness, Aches, Pains, Colds and Rheumatism (they offer \$50.00 reward for a case not relieved), Cure Sleeplessness, La Grippe, Neuralgia, Headaches, Indigestion, Piles, Dropsy, All Blood, Skin, Liver, Kidney and Urinary troubles. His wonderful power to prevent and cure ailments peculiar to Ladies.

A Face and Head Steamer Attachment is furnished if desired, which cleanses the skin, beautifies the complexion, removes Pimples, Black-heads, Eruptions, and is a sure cure for all Skin Diseases, Pimples, Catarrh, Acne, Eruptions, and throat troubles in the face.

This is a genuine Cabinet with real door; handsomely made; best materials; rubber lined; heavy steel frame; top curtains; in fact, all the latest improvements; will last 20 years; not a cheap, flimsy affair, but strong, substantial, ready for use when received.

All our readers should write today to the World's Fig. Co., 325 World Building, Cincinnati, Ohio, for valuable descriptive book and testimonials; or, better still, order a Cabinet at once. You won't be disappointed.

The price is wonderfully low, only \$50.00, complete with stove for heating, formulae for baths, and various ailments, and plain directions. Free Samples, \$1.00 extra. This firm is perfectly reliable; capital \$250,000. Ship same day your remittance is received, and will refund your money after 30 days' use if the Cabinet is not just as represented.

Don't fail to send for book let anyway. This Cabinet is a wonderful relief for men and women upon request, and to our knowledge many are making from \$50 to \$150 over month. Write them.

\$3 a Day Sure. Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a three profit of \$3 for every day's work. Write today. World's Fig. Co., 325 World Building, Cincinnati, Ohio.

CANCER, CURED WITH SOOTHING, BALMY OILS. Cancer, Tumor, Catarrh, Piles, Fistula, Ulcer and all Skin and Women's Diseases. Write for illustrated book. Sent free. Address: 2111 N. Kansas City, Mo.

ing any gravy left out at first. Season more if needed, with a little salt, pepper and butter, and I hope you will all enjoy it as much as my family do. A shank of uncooked veal, boiled till tender, with seasoning, is excellent if you do not wish to use remnants of cooked meat. Before putting in dumplings, see that there is broth enough so it will not boil dry and burn.—[L. M. B.]

**Plain Cake**—Good plain cake which never fails, if directions are followed, is made thus: Rub ½ cup butter and 2 cups sugar to a cream (if granulated sugar is used, put in only 1½ cup). Add 1½ cup sweet milk and 3 cups sifted flour. Beat the yolks and whites of 3 eggs separately, add to above mixture and beat well together. Lastly add 1 teaspoon soda and 2 of cream tartar, mix well and bake in layers. Put together with any filling preferred.—[Anna W. Gallher.]

**Potato Scores**—Take 1 pt yeast bread dough. When it is light, add 1 egg well beaten and 2 cups warm mashed potatoes, a lump of butter and salt to season. Mix well, roll out and cut like biscuit. Let rise and bake in a brisk oven.—[A. R. A.]

**Plain Doughnuts**—Two cups sour milk, 1 tablespoon (a little heaped) of sour cream, 1 egg, 1 teaspoon soda. Beat egg with 1 teaspoon sugar and add a heaping teaspoon salt, add milk and cream. Stir in flour enough to make a dough to roll out comfortably, cut in strips and pinch the ends together, making cakes the size you wish, and let rise on cake board for an hour. Fry in hot fat, turning but once when the under side is a nice brown.—[L. M. B.]

**Old-Fashioned Indian Pudding**—Take 1 cup very finest Indian meal and mix with it in a bowl 1 tablespoon flour and a pinch of salt. Pour on this 1 cup good molasses and stir until perfectly smooth. Add 2 pts boiling milk, mix well and then turn it into a milk boiler and stir it over the fire until it thickens. This will take about 10 minutes. Then pour it back into the bowl and allow it to cool. When cold, stir in thoroughly 1 qt cold milk, and put the mixture in a pudding dish, pouring ½ pt milk over the top, and set it in the oven to bake. It should be baked very slowly for at least three hours. Half the quantities given will be sufficient for a small family, but it is equally as good warmed over as when first baked.—[M. F. S.]

**FARM AND HOME**

**Potato with Boiled Eggs**—Take mashed potatoes and make into balls, hollow out the center of each ball, forming a nest. Take hard-boiled eggs, remove the yolks and put one yolk in each nest. Cut up the white in small pieces and lay about the yolks. Place in the oven and brown slightly.—[A. R. A.]

**Beef Omelet**—Two pounds beefsteak (clear beef) chopped fine, 4 soda crackers rolled fine, 4 eggs (beaten), ½ cup butter, ½ cup milk, salt and pepper to taste, a small onion chopped fine and a pinch of sage. Mix in chopping bowl and make into two loaves. Put in a covered pan with 2 cups water to each loaf. Bake in a moderate oven three-quarters hour.—[A. R. A.]

**Baked Corn**—One can corn, 1 cup milk, ½ cup bread crumbs, 2 eggs, a little butter, pepper and salt. Bake in the oven until brown.—[R. R.]

**Cherry Pudding**—Take canned cherries and separate the juice. Use 1 pt cherries, 3 eggs, 2 tablespoons butter and 2 heaping tablespoons flour. Stir well and bake in a quick oven. Serve with cream and sugar.—[R. R.]

**Boiled Dinner**—Boil a nice piece of fat beef one hour. Pare 6 parsnips, 6 carrots and 3 turnips and cut in medium-sized pieces. Place these in the kettle with the beef. Let boil together one-half hour. Cut in quarters 1 cabbage head, place on top of the other ingredients and boil one hour longer. Then pare 6 good-sized potatoes, place on top of the cabbage and other vegetables, salt and pepper to taste and cook until the potatoes are done. Then

take up the vegetables, leaving the water in the kettle, to which add a lump of butter, a little ground mustard, and a doz crackers rolled fine.—all this after the grease has been skimmed from the liquor. Serve as sauce with the vegetables.—[A. R. A.]

**Stuffed Squash**—Pare a squash (small size), cut off one end and remove the inside with seeds. Lay in salt water one hour, then fill with a stuffing made of bread crumbs, a little chopped salt pork, parsley, and salt and pepper to season. Replace the end cut off. Put a lump of butter and ½ cup hot water in a baking dish, lay in the squash, cover closely and bake two hours. Add water if needed. Serve with a buttery gravy.—[A. R. A.]

**French Mustard**—An easy way of making French mustard, which exceeds that of commerce, is to mix 3 table-spoons druggist's dry mustard with 1 tablespoon granulated sugar. Then add the beaten white of an egg. Beat until well incorporated and very smooth, and add 4 tablespoons very keen elder vinegar. Set in a dish of boiling water over the fire and stir with a granite or wooden spoon until smooth.—[S. E. W.]

**Little Pigs in Blankets**—Season large oysters with pepper and salt, cut fat pork or bacon into thin slices, wrap one oyster in each slice and fasten with a little skewer (toothpicks are the best). Cook long enough in a frying pan to crisp the bacon. Place on small slices of buttered toast and serve.—[Ellis Cook Book.]

**Prune Whip**—One-half pound prunes stewed until soft, put through a colander. To every cup prunes add the whites of 3 eggs, beaten stiff. Sweeten to taste and add 1 teaspoon vanilla. Put in oven about two minutes. Serve with cream and sugar.—[Ellis Cook Book.]

**Clam Soup**—Select fine, large, plump clams, and after chopping them fine, add the liquor to the meat. To every 12 clams allow 1 qt cold water, and putting meat liquor and water into a pot, let simmer gently, but not boil, an hour and a half. At the end of this time, every particle of meat should be so well cooked as to make it seem that there is only thick broth. Season to taste and pour into a tureen in which a few slices of well-browned toast, cut in dice, have been placed. If desired, 1 teacup new milk and 1 egg may be allowed to every 2 doz clams, with good result. Beat the eggs very light, add to them the milk. Beat hard for a minute, then add the whole to the soup when taken from the fire.—[S. O. F.]

**Excellent Fruit Cake**—One-half pound white sugar, ½ lb brown sugar, 1 lb butter, ½ lb flour, 1 cup molasses, 12 eggs, 1 teaspoon soda, 3 lbs raisins (seeded), 3 lbs English currants, 1 lb citron, 1 small cup dark jelly, juice and rind of 1 lemon, chopped fine, 1 tablespoon each of nutmeg, cinnamon and cloves. Bake in three long tins.—[Ellis Cook Book.]

**Chicken and Toast**—Cut a chicken in small pieces, add salt, pepper and an onion, with sufficient water to cover. Cook until done, then add ½ pt rich cream and a little chopped lemon peel. Nicely toast slices of stale bread, pour the chicken over them and serve at once.—[L. M. A.]

**Rolled Wafers**—One-fourth cup butter, ½ cup powdered sugar, ¼ cup milk, ¾ cup bread flour, ½ teaspoon vanilla. Cream the butter, add sugar gradually and milk drop by drop, then add flour and flavoring. Spread very thinly with a broad, long-bladed knife on a buttered inverted dripping pan. Crease in three-inch squares and bake in a slow oven until delicately browned. Place pan on back of range, cut squares apart with a sharp knife and roll while warm in tubular or cornucopia shape. If squares become too brittle to roll, place in oven to soften. If rolled tubular shape, tie in bunches with narrow ribbon. These are very attractive and may be served with sherbet, ice cream or chocolate. If rolled cornucopia shape they may be filled with whipped cream just before sending to table. Colored wafers may be made from this

mixture by adding leaf green or fruit red. If colored green, flavor with ¼ teaspoon almond and ¼ teaspoon vanilla. If colored pink, flavor with rose. Colored wafers must be baked in a very slow oven to prevent browning.—[Miss Farmer's Cook Book.]

**Chicken Jelly and Loaf**—Clean and disjoint a chicken, cut into small pieces, breaking the bones, and place in a saucepan with 1 pt cold water to each pound of chicken. Heat slowly and let simmer until the meat falls from the bones. Then strain and let stand until cold. Skim off all fat, season with salt, pepper and a little lemon juice, and turn into molds to harden. To make a chicken loaf, prepare a chicken as for jelly, cook until tender, remove all bones and chop the meat finely. Put into a saucepan with ½ cup butter (unless it be very fat), salt and pepper. When hot, pour into a mold the bottom of which has been covered with slices of hard-boiled egg. When cold, turn out, cut in slices and serve for tea.—[L. M. A.]

**Vegetables**—Never put vegetables into water which is not boiling hard. If left to soak in hot water it will toughen them as well as destroy the flavor and color.—[I. G. C.]

When was Noah's wife like a county in New Hampshire?—When she was Looking-Ham.



Many a woman has periodic crying spells. She meets her husband with eyes red and swollen and he cries out: "What has happened?" "Nothing" his wife replies. "I don't know what is the matter with me, but I just had to have a good cry." Men don't cry crying spells. It would seem that an affection confined to women must have its cause in the womanly nature. There is no doubt that a diseased condition of the delicate womanly organs, is in general responsible for feminine nervousness and hysteria.

The use of Dr. Pierce's Favorite Prescription makes women happy by making them healthy. There are no more crying spells. "Favorite Prescription" cures inflammation, ulceration and female weakness. It makes weak women strong, sick women well.

There is no medicine "just as good." Accept no substitute.

"For three years," writes Mrs. Mary A. Sasser, of High, Lamar Co., Texas, "I suffered with falling of the womb, also ulceration of the womb. After using three bottles of your 'Favorite Prescription,' four of 'Golden Medical Discovery' and two vials of 'Pleasant Pellets,' I found relief. I am able to do my work with ease. I recommend your wonderful medicine to all my friends, for I truly believe it saved my life."

Free. Dr. Pierce's Medical Adviser, in 175 per covers, is sent free on receipt of 21 one-cent stamps to pay cost of mailing only. Cloth binding 31 stamps. Address Dr. R. V. Pierce, Buffalo, N. Y.

**Elgin Watches**  
possess every desirable modern improvement—are acknowledged to be  
**The World's Standard**  
in accurate time-telling and endurance. Jewelers everywhere sell and warrant the  
**Genuine Ruby Jeweled Elgin**  
An Elgin Watch always has the word "Elgin" engraved on the works—fully guaranteed.  
Booklet Free.  
ELGIN NATIONAL WATCH CO., ELGIN, ILL.



**Are You Deaf??**  
All cases of DEAFNESS or HARD-HEARING are now CURABLE by our new invention, and those who are deaf are incurable. READ NOISES CLEAR IMMEDIATELY. Describe your case. Examination and advice free. You can cure yourself at home at a nominal cost.  
International Aural Clinic, 308 La Salle Ave., Dept. 15 CHICAGO.

**6% \$100 FIRST MORTGAGE GOLD BONDS**  
FOR LARGE AND SMALL INVESTORS.  
We offer several small issues of Gold Bonds netting the investor 6 per cent. Bonds are \$100 each and will be sold in lots of one or more. Security two to three times total issue of bonds. Safe as government bonds and better than placing money in savings banks. We will loan money at any time to purchasers on these bonds or will buy them back at market price. Our plan enables you to invest your money at a good rate of interest and to realize on them quickly in case of necessity without forfeiting your interest as in the case of deposits in Savings Banks when the money is withdrawn before the interest period. Descriptive circular giving full information concerning the above bonds sent Free. Government, Municipal and Railroad Bonds bought and sold.  
**UNION SECURITY CO., 304 Grant Bldg., Chicago, Ill.**

**2.50 YOUR 1901 MACKINTOSH**  
SEND NO MONEY if you live East of the Rocky Mountains. Cut this ad out and send to us, state your height and weight, best measure, length of garment from collar down back to waist line, and waist line to bottom of skirt, state color wanted, and we will send you this MACKINTOSH by express C. O. D., subject to examination, examine and try it on at your nearest express office and if you are not satisfied as represented and by far the greatest value you ever saw or heard of, pay the express agent OUR SPECIAL OFFER PRICE, \$2.50, and express charge, (if sent further west cash in full must accompany the order) THE MACKINTOSH is made of black or blue genuine heavy double texture, Waterproof Serge Cloth, with fancy plaid lining, velvet collar, double detachable cape, extra full sweep cape and skirt, guaranteed best style and highest quality made. For Free Cash Samples of everything in Ladies' Mackintoshes write for Free Sample Book, No. 222.  
**SEARS, ROEBUCK & CO., CHICAGO, ILL.**  
Please mention FARM AND HOME when writing to advertisers.

**44 DINNER SET**  
PIECE—AND—  
**48 PIECES SILVERWARE**  
**FREE**  
A rare chance. No deception, we speak nothing but the truth. You can get a full size decorated breakfast, dinner or tea set (111 pieces) & 12 silver plated knives, 12 forks, 12 tea spoons & 12 table spoons for selling our Remedies. We have a reputation for square & honest dealing & to prove it, every honest person who sells 6 boxes of our Vegetable Pills at \$5 each or a box of our five cure for constipation, indigestion & torpid liver, will receive our generous offer of a 144 piece decorated set of 48 pieces of silver plated table ware with a beautiful letter knife, sugar spoon & butter knife, which we give absolutely free for selling the 6 boxes of Pills. Don't send a cent, order to-day & we will fill by mail, when sold out on the 31st of Dec. & we give you with our offer we shall send you with the letter knife, sugar spoon & butter knife, the 12 knives & 12 forks, 12 table spoons & 12 tea spoons & 144 piece decorated set will be given absolutely free. We are an old, reliable concern, 22 Broadway, N. Y. City. Silverware sold only for family use. Address: L. G. TITLER, Dept. 3, 30 W. 12th St., N. Y. City.



A SONG OF CONTENT.

When the weather is dry I don't worry a mite. For a rain allers comes at the time that is right! When the heat is jes' mettin', I'm singin' a song. Fer I know in good time winter's comin' along! One can't change the seasons by mouan' et tears. The Lord's run the weather fer several years. An' though I ain't allers known jes' what he meant, I'm sorter inclined towards a-bein' content!

ROY FARRELL GREENE.

AROUND THE COUNCIL FIRE.

Education on Farm—Hopeful, you say the farm is a drawback to get an education. Of course the country boy hasn't got so many months of school in the year as the city boy has, but then, he makes more use of the time he devotes to school than the city boy does, because he is more alive to its real value. And then, he learns something besides books, which makes him the much better citizen. As for higher education, there is enough leisure on the farm to attend college. I know a number of boys who have worked on the farm in the summer and gone to college in the winter, and acquired a splendid education. In fact, some of our greatest statesmen have been boys on the farm. Further on, you complain of too little money and too much work. If you are an up-to-date farmer, I fall to why you cannot make your farming pay, as there are good prices for what a man has to sell. And as for time, there are few vocations one could choose where there is more leisure than on the farm. A bookkeeper or clerk hasn't got half the leisure that a farmer has. Hopeful, you complain of lack of society on the farm; you can have the same grand society on the farm that you can have anywhere else. Buy good books and you can associate with men of worldwide fame.—[Greenback.

Have More "Ups"—Webfoot and Buckstrap are evidently having troubles of their own, but are getting all sorts of advice from seemingly experienced Councilors. I really feel sorry for them, but I guess I can't help them any, for I am not experienced very extensively in love affairs, but I have no one to blame but myself. However, it is nice to have sympathizing friends to unfold our troubled hearts to in times of sorrow. But, thank fortune, I have none such to trouble my contented brain. Still, we will have our ups and down, but let us try to have more ups and not so many downs. Are any of the Councilors interested in crayon portrait painting? I seem to astonish all who see my work. They tell me I have no business on the farm and am foolish for staying in the coun-

try, and all such, but I like the country better than the city. Fruit is our crop here. I would rather pick peaches than husk corn. I was raised in a corn country, where you could see nothing but corn and oats for miles.—[Temperance, Michigan.

Five Deaths—I can sympathize with Mrs Young, for we have lost five out of our family in 10 months and one day. We had not had a death in our family for 25 years, so you all can know how hard it was for us. Then we were in the terrible flood of July, 1899, and a recent storm tore my home up and furniture and clothes are all to pieces. I have had a hard time for as young as I am, 'only 19.' Now, Woman Hater, I don't see how you can hate women. They are not all alike.—[A Widow.

Some Poor Soul—How much better and more contented we feel if, on looking over the work and events of the day, we can see something accomplished worth striving for, and some little deed of kindness to help a fellow traveler on the way, than if we have been careless and neglectful! It takes so little to do a kind act or speak a kind word that will perhaps make a whole day brighter for some poor soul, struggling along under more than its share of trouble. We ought to watch eagerly for an opportunity to help our associates, and remember that by our lives we are unconsciously helping or hindering others, cheering them on or discouraging them by our failures or carelessness.—[Wyopa.

Healing the Sick—Being an interested reader of the Council, and noting the many inquiries from young ladies who seek to know about trained nursing, etc. may I suggest another and more probable occupation in the same line, but different, namely, electro-therapeutics, the science of healing the sick and relieving pain by the proper use of electricity. I am not yet 24, but am in the work. I like it. I am one who intended to become a nurse, but changed my mind and took up electro-therapeutics instead. The field is as yet worldwide and not overcrowded.—[Eva McLouth.

THE FIRE UPON THE HILL. I leaned against the doorstep. In the evening calm and still. And watched the flames ascending Of the fire upon the hill. And while I then did ponder, Lo! the haze had passed away. It was my own bright future That I saw before me lay. Then a voice spoke, "Be worthy Of the life now before you Kind words, kind thoughts and actions.— These are things that you must do." I thought, "Am I but dreaming? Is my mind a-wandering still?" I woke. I'd learned a lesson From the fire upon the hill. L. H. W.

Let 'Em Alone—Poems and book reviews would be profitable, but we all want to mix a few pleasures along with those profits. "Jordan am a hard road to trabble," anyway, and if it makes the road smoother to a few old maids and bachelors, that have never had a sweetheart and maybe never will, to talk and dream about love, why, let 'em alone. Life is chiefly made up of mistakes, and they are happiest who never find it out. No doubt but each of us has a soft spot somewhere. As for books and poems, some of the best ever written are on the subject of love.—[Maude Steele.

Only Contempt—A. M. S., when I read your letter, I just felt like shouting, "Them that's my sentiments, tew." Truly, a good woman is the crowning work of God's creation. And I believe a good man to be woman's peer in every respect, but not such men as Cowboy, Webfoot and Bad Boy, who haven't got sense enough to settle their own love affairs, without "airing" them in magazines and making what should be sacred to every man and woman, a topic of discussion and a source of amusement to people all over the continent. I heartily admire a sensible, honorable man, but such men as they arouse only my contempt. If I thought it worth while to waste advice on them I would say, Pick up chips and feed the hens for your mother, or have some other healthful occupation, and keep your thoughts away from love and the girls, until your puerile minds are suf-

ficiently matured to grapple with such perplexing problems as lov, and marriage, and then perhaps you will be able to solve them without applying for assistance to any journal or magazine, and if you do this I can assure you the time will come when you can say, as truly as that ancient relative of yours, Adam, "There's only one girl in this world for me." And when you meet her, you'll know what you want to do without asking F & H.—[Brown-Eyed Lenore.

Distracted Self—Are any of the Councilors stenographers, or interested in the profession? If so, come this way please. I am taking a course and have just finished my first examination today, after a hard week's grind, but I enjoy it so much! Don't think, dear Councilors, it's only a pa-time. Oh, no.—I mean to convert it into a means of gaining a living for my mother, sister and poor distracted self. Any suggestions from those who know will be gladly received by one who intends to know, so let me hear how many there are of this profession among the numerous doctors, lawyers, schoolma'ams and who knows what else? Potato Pete, you speak truthfully when you

A GOOD START IN LIFE. A farmer's boy or girl can get an education in a few months at home that will fit them to take positions in town or city, where they can earn good salaries from the start, continue their studies and earn more as they learn more. By our method of Education by Mail we have prepared farmer's boys for positions in machine or electrical works, or with architects. By our Method FARMERS' BOYS Have Become Draftsmen, Electricians, Surveyors. FARMERS' GIRLS Have Become Stenographers, Book-keepers, Designers. Write, stating subject in which interested. The International Correspondence Schools, Box 1504, Scranton, Pa.

Don't Use a Refrigerator unless it is kept clean with GOLD DUST Washing Powder. The taint of decaying particles of food is absolute poison. Image of a refrigerator.

SEND NO MONEY. If you live within 700 miles of Chicago (if further send \$1.00), cut this ad out and send to us, and we will send you this BIG HEATING STOVE by freight C. O. D., subject to examination. You can examine it at your freight depot, and if found perfectly satisfactory, exactly as represented, one of the handomest heating stoves you ever saw and equal to heaters that retail at \$11.00, pay the freight agent our SPECIAL OFFER PRICE \$9.85. (\$9.85 and charges if \$1.00 sent with order.) The stove weighs 175 lbs. and the freight will average 50 to 75 cents for each 500 miles. OUR \$9.85 ACME OAK HEATER burns anything wood, hard coal, soft coal, coke or oil; greatly improved for this season. Ideal style for 1900. A BIG HEATER. 3 feet 2 inches high, 22 1/2 inch inches on bottom. 16 inch fire and cast iron fire pot, has shaking and dumping center grate for coal, double circular wood grate, constructed so the fire can be kept under complete control; large ash pan, check drafts on collar and feed door. Beautifully finished, fancy nickel mountings and ornaments, highly polished and heavily nickel plated top rail, nickel name plate, top ring, hinge pins and knobs; heavy nickel bands and mountings, fancy nickel plated and ornamented top turn. Every stove covered by a 3 MONTHS GUARANTEE, and delivery guaranteed. Made from the best quality of heavy sheet steel, pig iron and nickel, positively the handomest, best burning, best heating, most economical and durable Big Parlor Heater made. If you don't find this stove the equal of those sold at double the price, return it to us at our expense and we will return an interest free \$1.00. ORDER TO S. E. WHITE FOR FREE STOVE CATALOGUE. Address: SEARS, ROEBUCK & CO. CHICAGO, ILL.

CURED WITH ASTHMA Asthmalene. Send for FREE Trial Booklet and Testimonials Dr. T. H. Brock, Medicine Co., 79 E. 120th St., New York City.

STAMMERING CURED. Our new Institute provides accommodation for one hundred students. Large lecture hall, Spacious gymnasium, Pleasant parlors, Electric light, Hot water heating, Hard wood floor, every room. Surroundings homelike, mental and wholesome. Course lasting and permanent. Refer by permission to Hon. H. S. Finney, Governor of Mich., Hon. Wm. C. Maybury, Mayor of Detroit, Rev. Robert Stuart MacArthur, D. D., L. L. D., Pastor Calvary Baptist Church, New York City, Prof. Thos. C. Trueblood, University of Michigan, Ann Arbor, Mich., Prof. Robert Irving Fulton, Ohio Wesleyan University, Delaware, Ohio, Dr. Robert L. Randall, Johns Hopkins University, Baltimore, Md., Prof. H. Nicholson, University of Nebraska, Lincoln, Neb. Endorsed also by hundreds of graduates from all parts of the United States and Canada. Additional references furnished on request. Our 500 page book, "The Origin and Treatment of Stammering," sent FREE to any address for six cents in stamps to cover postage. Ask also for a FREE sample copy of "The Phono-Meter," a monthly paper exclusively for persons who stammer. The Lewis Phono-Metric Institute, 21 Adelaide St., Detroit, Mich.

FREE A HANDSOME COUCH. 6 feet long 27 ins. wide. Think of it, you can get an Upholstered Couch, 2 pairs of Lace Curtains & a handsome set of Table Silverware, for selling our Remedies. There is no chance of deception about this advertisement. We speak the truth & mean it. We are determined to introduce our Remedies into every household, and every person answering this advertisement who will sell only 6 boxes of our Positive Corn Cure, a positive cure for corns, bunions and callous feet, will receive our generous offer of a handsome Upholstered Couch & two pairs of Nottingham Lace Curtains, with a Sterling Silver plated Butler Knife, Sugar Spoon, & a beautifully engraved Salt & Pepper Set, which we give absolutely free for selling only 6 boxes of Salve at \$2.50. If you agree to sell the Salve, write you send us the \$1.50 & we guarantee if you comply with the order we shall send you with the Salve & the Lace Curtains & 2 pairs of Nottingham Lace Curtains will be given absolutely free. We are an old reliable concern, with a reputation for square & honest dealing, & we guarantee to do exactly as we say. Our Lace Curtains are 2 yards long & over 2 yard wide. The Silverware is good food for the stomach on pure metal. The Couches are full size, over 6 feet long & over 2 feet wide. They are well upholstered, beautifully upholstered with handomely colored velour, and when shipped are sent from the factory by freight direct to your address. MANUFACTURERS' SUPPLY DEPARTMENT, No. 65 FIFTH AVE., NEW YORK CITY.

FREE SIX EXQUISITE, COSTLY FINGER RINGS. WE TRUST AGENTS with 20 Mineral Lamp Wicks, Best No Wick in the World, Light Burn to Gas. No Smoke, No Small No Trimming, No Frothing Chalmers. Can be sold in an hour or two at 5 cents each. When sold send on the money, \$1.00, and we give you free any two of these beautiful and rare rings. The Rings are equal in appearance to costly diamonds. The Hand Rings are elegant in design and all are warranted to wear well and give satisfaction. We take back unused goods. In each parcel sent with our ad. Write to MINERAL WICK CO., Providence, R. I.

say, "Youth is in itself a fortune." With youth and good health, combined with an honest endeavor to rise in the world, who dares to say you shall not? Master Billy Goat can give you a boost if you but wave your red flag of distress and flaunt it bravely in his domain. Mrs. Osanna, your letter takes me back to happy days of childhood spent on grandpa's farm. Oh, for a happy, bright day to roam those meadows, climb up in that large barn, wade the creek,—so free from all care and trials,—and when weary of all this to sit at the feet of one of earth's dearest saints and hear again those sweet stories, old yet ever new, as they fell from the lips of grandma, long since gone to reap the reward of a long and beautiful life. Paul J. Daily, you ask if I live in Mauch Chunk. No, but in that big town three miles below, situated on the right bank of the peaceful, sedate old Lehigh river. Was surprised to think that even our own F & H could find its way up there among those beautiful mountains.—[Kitty May, Pennsylvania.

#### POWERS OF FATE.

Cold winter with his hoary frost,  
Will chill the earth and bind it fast.  
The liquid streams will cease to flow,  
Till Sol dissolves the crystal snow.

Life's fleeting hours, how swift they glide!  
Weeks, months and years pass with the tide.  
And man, alas! like withered grass,  
Must be consigned to earth at last.

And as we journey to and fro,  
Unmindful as to weal or woe,  
We must, for every sad mistake,  
Yield to the sterner powers of fate.

MRS. ROBERT WALDRON.

**Mystic Future**—Hello, Githel! Let me respectfully bow to your late courtesy. No, I can't speak the German language, but can the Spanish. Come over some Saturday evening and we'll exchange some of our foreign words. David Copperfield is the "crown prince" of literature in my mind. Yes, I love girls,—black-eyed, blue-eyed, oh, all kinds of girls. I love men, too. And children, sweet, lovely, angelic children, I love you most. When I see a party of romping, frolicking children, I can't help but think: "You know not what awaits you in the mystic future."—[The Mountaineer.

**Succeed Anywhere**—H. E. K., I agree with you, and think if a girl, be she city or country bred, has any "get up and go" about her, she will succeed anywhere. For one do not like the farm, but I have lived on one 14 years of my life and could live on one as many more if I had to. I was born in the city of Saginaw, Mich., and lived there until I was six, when we moved to this wonderful Empire state.—[Lorna Doone.

**Faithful Pedagogue**—I, like Lady Prue's letter. I, too, am a school teacher, having walked in the path of the faithful pedagogue for five years. Nothing pleases me better than to teach little ones and have them crowd around for me to tell or read them a good moral story. Children are great imitators, and how many of us teachers ever think whether or not are we stamping habits of good or evil on the minds and hearts of our pupils! It is worth thinking of. Aside from riding my wheel, I ride horseback, and play the piano. Lady Prue, I think "Old Kentucky Home," "On the Banks of the Wabash," "Just One Girl," "Coon's Breach of Promise" and "Sweet Bunch of Daisies" are very pretty songs.—[Cute, Nebraska.

**Helpful**—I don't agree with H. E. K. when he says that the home making and housekeeping instinct is born in all women. I have known girls to marry the best kind of young men and yet be the poorest kind of housekeepers. They seem to think that the world was made for their sole comfort. So, H. E. K., if you think all girls are angels, you may find out your mistake too late. I hope Graham Gem doesn't class all men with tobacco users, saloons, jails, workhouses and divorce cases. It sounds bad. Bachelor Girl, I, too, think we ought to talk about books, but when we read we ought to read books that will help us in our daily pursuits of life. Love stories, detective stories and half-dime novels are low and degrading and ought not to be

read. I think that all the letters of the Councilors are helpful. The Council page is the first page I read when I receive my F & H.—[A Buckeye Girl.

**Mother's Face**—So much has been said about life's sorrows and disappointments, that we can barely see beyond the clouds the sun still shining. The sunniest spot in the wide, wide world is home, and the dearest face is mother's. What if life is such a complex problem (and we must admit that accidental happenings sometimes shape our destinies), neither complex problems nor accidental happenings can darken our little hamlet, or make mother's face less dear.—[Grace Darling.

**Always Scolding**—Mother, you are right in wanting to talk more with your children, and the less you say, "Don't do that," said "Don't do that," the better you will find your children will mind they soon get so that they think you are always scolding.—[Mother, Montana.

**Obsolete**—A Subscriber, take a piece of red velvet or plush, just a little larger, all around, than your Bible, sew a silk fringe of the same color on the edge, and you will be pleased with the effect. A City Girl, I like your sentiments about old maids. You are very sensible. Who would ever think of calling Frances Willard or Marlet a Holley or lots of other nice ladies, whom we all know, old maids? Fle' the term is obsolete, and people who use it are out of date. Better never get married, girls, than to marry too young and be sorry for it afterward. Bald Head, don't judge all girls by one bad, silly one. Your girl used you badly, but she isn't worth the ink you used in writing about her. Don't you suppose if you had married her she would have spoiled your future life? Oh, you ought to pity the other fellow. Be consoled. There are lots of good, nice girls, and there is one waiting somewhere for you.—[Venus.

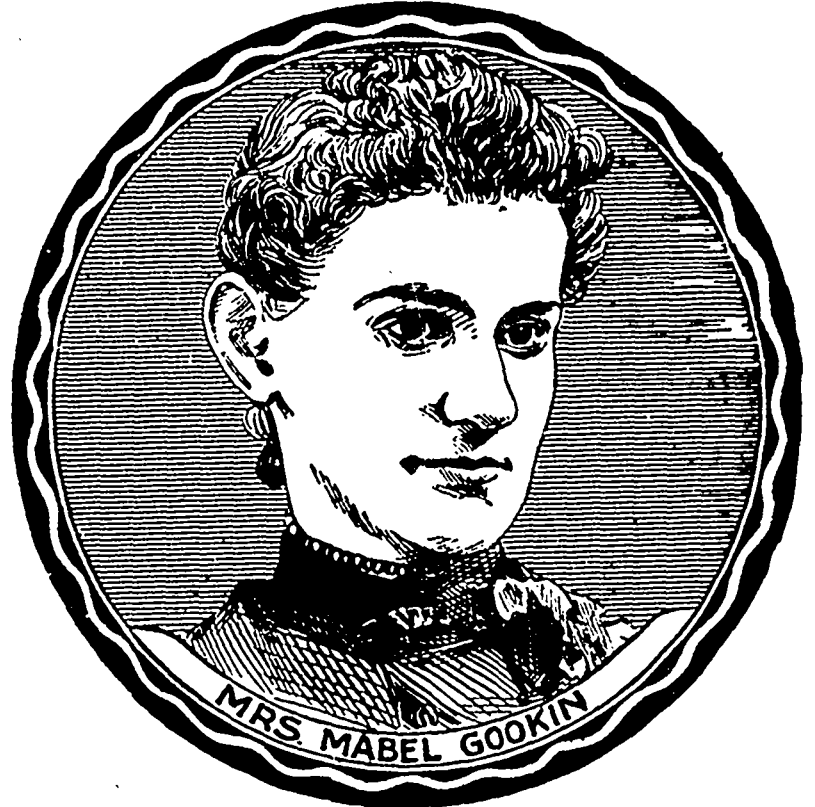
**Inquiring Friends**—Mary (Conger) Tropper would like to know the whereabouts of her uncle, Jess Craft, who went to Ohio in 1874 and then to Missouri.—O. S. a 3 others, we are forming no new letter circles, and those already in existence must do their own straightening out.—B. D. G., you can find the names of the presidents and their parties in any United States history, often in tabulated form in the back part.—A reader wants to know where the old story of Aspenville or Aspenwood can be obtained and who is the author.—The best way to renovate a rubber coat that is cracking in places, is asked by J. T.

**Her Business**—A City Girl you mustn't throw out such gentle hints as regards city girls. Why not "bless" the country lasses as well? Don't you think they deserve it? Your sentiments in regard to "old maids" are thoroughly correct. If a lady is past 25 and chooses to live single, that is her business. Remember, there may have been a love in her young days that is sacred in her memory. We married ladies (who are young yet) would "fight for rights" if we should be called "old women" outside of our family circle, eh? Many of the nicest ladies I know are over 25 and single, and seem to have no desire to be "tied down" yet.—[Mrs D. R. Clarke.

**Nursing**—Potato Pete, I think it is best for you that "she" married someone else, for if she didn't love you well enough to wait six months or even one year, it is best to let her pass. I hope you will have great success in your work and let us hear from you again soon, as I am greatly interested in caring for the sick. If I was of the opposite sex, I would certainly be a physician, but as it is, I expect to be a trained nurse, for I think there is one work for each of us to accomplish, and I have a longing desire to nurse and care for the sick and helpless. Milwaukee Nurse. I congratulate you in your profession and hope we will hear from you again. I agree with you in regard to city and country-bred girls. I am a country-bred girl myself, and have friends in the city as well, and I can't see any difference in them. The difference in girls is all due to the way they are reared.—[South Carolina Girl.

# New England Women

Have an Abiding Faith in Lydia E. Pinkham's Vegetable Compound.



After years of struggle to attain and merit public confidence, with a firm and steadfast belief that some day others would recognize in us the truth, good faith, and honesty of purpose which we know we possess, what a genuine satisfaction it is to succeed, and to realize the uplifting influence of the merited confidence of a vast army of our fellow beings.

Thus stands the Pinkham name in New England, and all over America, and nowhere is the faith in Lydia E. Pinkham's Vegetable Compound greater than in New England, its home. Merit, and merit alone, can gain this.

#### ORGANIC INFLAMMATION.

"DEAR MRS. PINKHAM:—I was troubled very badly with inflammation of the bladder, was sick in bed with it. I had two doctors, but they did me no good. A friend gave me Lydia E. Pinkham's Vegetable Compound, and it helped me. I have now taken three bottles of it, and I am entirely cured. It is a God-send to any woman, and I would recommend it to anyone suffering as I was. I think, if most of the women would use more of your medicine instead of going to the doctors, they would be better off. The Compound has also cured my husband of kidney trouble."

MRS. MABEL GOOKIN.

Box 160. Mechanic Falls, Maine.

#### NERVOUS PROSTRATION.

"For two years I suffered from nervous prostration, the result of female weakness. I had leucorrhoea very badly, and at time of menstruation would be obliged to go to bed. Also suffered with headaches, pain across back, and in lower part of abdomen. I was so discouraged. I had read of Lydia E. Pinkham's Compound, and concluded to give it a trial. I wrote to Mrs. Pinkham, and received a very nice letter in return. I began at once the use of her Vegetable Compound and Blood Purifier, and am now feeling splendid. I have no more pain at monthly periods, can do my own work, and have gained ten pounds. I would not be without your Vegetable Compound. It is a splendid medicine. I am very thankful for what it has done for me."—Mrs. J. W. J., 76 Carolina Ave., Jamaica Plain, Mass.

If Lydia E. Pinkham's Vegetable Compound will cure these women—why not you—you cannot tell until you try it. If you are ill, and really want to get well, commence its use at once, and do not let any drug clerk persuade you that he has something of his own which is better, for that is absurd. Ask him to produce the evidence we do.

#### PAINFUL PERIODS.

"I cannot help but feel that it is my duty to do something in regard to recommending your wonderful medicine. I must say it is the grandest medicine on earth, and have advised a great many suffering with female troubles to take it. I tell people I wish I could go on the platform and lecture on it.



"My trouble was painful menstruation. The suffering I endured cannot describe. I was treated by one of our most prominent physicians here for five months, and found myself getting worse instead of better. At the end of the fifth month he told me he had done all he could for me, and that I had better go to the hospital.

"My sister advised me to try your Vegetable Compound, as it cured her of backache. I did so, and took it faithfully, and am now cured of my trouble, and in perfect health, many thanks to your medicine. I cannot praise it enough, and would recommend it to all who suffer from any female weakness."—Mrs. H. S. BALL, 461 Orchard St., New Haven, Conn.

**\$5000 REWARD.**—We have deposited with the National City Bank of Lynn, \$5000, which will be paid to any person who can find that the above testimonial letters are not genuine, or were published before obtaining the writer's special permission.  
LYDIA E. PINKHAM MEDICINE CO.

### Our Pattern Offer.

The New Styles Only Ten Cents Each.

By special arrangement with one of the most reliable pattern houses in the country, Farm and Home is enabled to offer its readers these patterns, which usually sell at 25c to 35c each, at 10c.

Order by number, which in each instance accompanies description. Give bust measure for ladies' upper garments; give waist measure for skirts; give both age and breast measure for misses and children.

Patterns should be ordered of the Office of this Publication. Full directions, quantity of material required and illustration of garment with each pattern.



**791 - CHILD'S DRESS.** 2, 4, 6 and 8 years. Attractive little frocks in this mode may be developed in silk, crepe de chine, poplin, henrietta or velvet with velvet, lace, applique, silk or fancy braids for decoration.



**800 - MISSES' DOUBLE-BREASTED JACKET.** 12, 14 and 16 years. Venetian, broad or ladies' cloth, melton, chestnut and dussal are appropriate fabrics for this mode. The jacket may be made of suite with a stylish gored skirt, or used as a separate outside garment if preferred.



**810 - LADIES' FANCY WAIST.** 18-1-1/2 - LADIES' FIVE-GORED SKIRT. Waist, 32, 34, 36, 38 and 40-inch bust. Skirt, 21, 23, 25, 27, 29, 31, 33-inch waist. Bronze poplin, pale yellow mousseline de soie and rich lavender velvet, are here artistically combined. Taffeta, crepeline, broad and ladies' cloth, henrietta or zibeline is appropriate for this mode. With trimmings of lace, chiffon, panama, applique, silk or embroidered cloth.



**815 - MISSES' WAIST WITH PLASTRON.** 18-1/2 - MISSES' CIRCULAR SKIRT. Waist, 12, 14 and 16 years. Skirt, 12, 14 and 16 years. This costume is developed in navy blue broadcloth, combined with velvet, ivory satin, foulard and bands of embroidered galon. Costumes in this mode may be made of poplin, covert, henrietta, venetian or zibeline, with lace, silk, velvet or passementerie for decoration.



**817 - LADIES' NORFOLK WAIST.** 32, 34, 36, 38, 40, 42-inch bust. Many of the new walking costumes consist of three or five-gored skirts, ankle length, with smart Norfolk waists of the same material. This Norfolk waist is made of dark gray homespun, which is included in the seams and darts of a perfect-fitting lining. Berge, covert, zibeline or double-faced suiting is appropriate for this mode, which may be finished with stitched bands or braid if preferred.



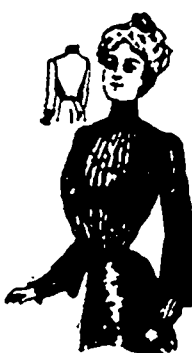
(Caption for 817 - Ladies' Norfolk waist, repeated above)



**818 - LADIES' NINE-GORED SKIRT, WITH FAN BACK.** 21, 23, 25, 27, 29, 31-inch waist. This skirt is made of pale blue madelon, satin-faced cloth, venetian, poplin, crepe meteor, zibeline, taffeta or satin are appropriate. The seams may be outlined with velvet, ribbon, gold cord, narrow applique, or stitched bands of the fabric, if further decoration is desired.



**818 - LADIES' WORK OR ARTIST'S APRON.** 32, 36 and 40-inch bust. Percale, calico and lawn are all suitable for this apron, the one and only requisite being a material that can be laundered at ease.



**819 - LADIES' BOLERO WAIST.** 32, 34, 36, 38, 40-inch bust. The illustration shows a bolero waist in black velvet with full front and undersleeves of pale blue crepe de chine, and shiny lace trimming. Bodices in this style may be made of panne, Persian silk, tulle, satin or lace, combined with mousseline de soie, chiffon or hand-painted tissues, taffeta, applique or all-over embroidery nets.



**821 - GIRLS' DRESS.** 8, 10, 12 and 14 years. Wedgwood blue camel's hair serge was chosen for this stylish dress, with taffeta and blue velvet trimmings. It is finished with braiding to match the collar trimming. Cashmere, cheviot, henrietta, muslin or novelty goods are appropriate for this mode, with lace, silk, satin, ribbon velvet or Persian embroidery for decoration.



**820 - LADIES' SHIRT WAIST WITH SAILOR COLLAR.** 32, 34, 36, 38 and 40-inch bust. French flannel, caducere, lansdowne serge and covert may be employed to develop this waist. It is also an appropriate mode for taffeta, India or china silk and soft satins.



**822 - GIRLS' FIVE-GORED SKIRT WITH INVERTED PLAIT.** 6, 8, 10 and 12 years. Covert, netting, ladies' cloth, poplin and serge are appropriate fabrics for this mode. The skirt may be finished with machine stitching, or decorated with ribbon, velvet or braid.



**792 - CHILD'S DRESS.** 4, 6, 8, 10 and 12 years. This attractive little dress of shell-pink poplin is prettily trimmed with black velvet and white lace. Attractive frocks in this mode can be made of albatross, soft silks, crepeline, henrietta or cashmere, with silk, applique, ribbon, lace or panne for decoration.



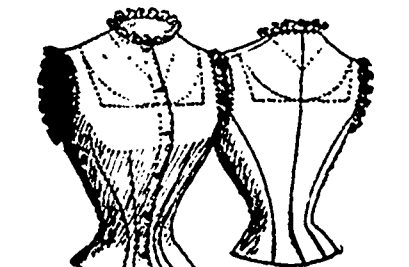
**823 - LADIES' TAILOR-MADE WAIST.** 32, 34, 36, 38, 40, 42, 44-inch bust. The illustration shows a waist of light-colored cloth, with to-bacco brown velvet trimmings. Covert, venetian, henrietta, chevline or mousseline is appropriate for this mode. It may be trimmed with velvet as illustrated, gold or silver braid, tint gold or shell buttons, or made severely plain, as preferred.



**824 - LADIES' FANCY COAT SLEEVES.** 34, 36 and 40-inch bust. The season's new outside garments have brought forward innumerable fancy sleeves, the plain, close-fitting coat sleeve being set aside for strictly tailored-made jackets, which the company the cloth street costumes. Sleeves in this style may be developed in heavy cloth, velvet or fur, the undersleeve being of silk and usually the same shade as the bell sleeve.



**825 - LADIES' JACKET.** 21, 23, 25, 27, 29, 31, 33-inch bust. The accompanying illustration shows a jacket of black velvet which is lined with ivory broadcloth. The garment may be developed in velvet, cloth or heavy cloaking, with velvet or eridid silk undersleeves. In some cloth coats the collar, undercollar and revers are made of velvet.



**792 - LADIES' CORSET COVER.** 32, 34, 36, 38, 40, 42 and 44 inch bust.

**THE** plague of lamps is the breaking of chimneys; but that can be avoided. Get Macbeth's "pearl top" or "pearl glass."

The funnel-shaped tops are beaded or "pearled"—a trade-mark. Cylinder tops are etched in the glass—"MACBETH PEARL GLASS"—another trade-mark.

Our "Index" describes all lamps and their proper chimneys. With it you can always order the right size and shape of chimney for any lamp. We mail it FREE to any one who writes for it.

Address **MACBETH, Pittsburgh, Pa.**

### MOTION PICTURE EXHIBITIONS PAY BIG PROFITS

And any man can have pleasant high class amusements make \$50 to \$100 and more per week by GETTING LITERARY INTEREST IN REVENUE Churches, Halls, Taverns, etc., etc. The secret is at Finger's and Fair with MOTION PICTURE, THE GRAPHO-PHONOGRAPH, and Social Combination and Reception Views. No experience required. We furnish COMPLETE OUTFITS, including large illustrated Advertising Bills (11x17 feet), Admission Tickets, Instruction Book, Business Guide, No. 512, and up to date and most interesting subjects. Will be sent C.O.D. Latest and most interesting examination, before paying. You can work in your own locality or travel. Write for catalogues and copies of letters from exhibitors who are MAKING MONEY with our outfits. **WYMAN'S PICTURE SERVICE**, Dept. 212, 105 Park Ave., Chicago, Ill.

# Strength Restored to Palsied Limbs

Mrs. H. T. Salisbury, of 11 Follett St., Pawtucket, R. I., says:  
"About eight years ago, I was taken with nervous prostration which was followed by a partial paralysis of the lower limbs. The doctor called it locomotor ataxia. I could not direct my steps, and I would often fall down. I tried many remedies but was not benefited until I began taking Dr. Williams' Pink Pills for Pale People."  
"Several doctors had told me that there was no cure for my trouble, but my improvement continued and I took the pills steadily for two years. At the end of that time I had regained full control of my limbs. The pain left me and has never returned."  
Mrs. H. T. SALISBURY  
Subscribed and sworn to before me this 21st day of August, 1894.  
CARLOS L. ROGERS, Notary Public.

Dr. Williams' Pink Pills for Pale People are never sold by the dozen or hundred, but always in packages... all druggists, or direct from the Dr. Williams' Medicine Co., Schenectady, N. Y., 50 cents per box, 6 boxes \$2.50.

## The New York World

Thrice-a-Week Edition

156 PAPERS A YEAR FOR \$1.00

It has all the merits of a great \$6 daily at the price of a dollar weekly. It prints the news of all the world, having special correspondence from all important news points on the globe. It has brilliant illustrations, stories by great authors, a capital humor page, complete markets, departments for the household and woman's work, and other special departments of unusual interest.

### A GREAT OFFER

By special arrangement with the publishers we are enabled to offer the

**THRICE-A-WEEK WORLD and FARM AND HOME BOTH ONE YEAR For only \$1.05.**

You thus receive a total of 156 papers for but little more than half a cent a piece.

#### Special Premium Offer

If your subscription is sent immediately, we will include a copy of THE COMPLETE HENSIVE WEBSTER DICTIONARY, containing 50,000 words, or the Farm and Home Art Calendar for 1901 when ready, whichever is preferred. Now, then, is the time to subscribe. Sample copies of The World sent free on application.

Address all orders to  
**FARM AND HOME, Springfield, Mass., or Chicago, Ill.**

# PREMIUMS FOR CLUBS

## An Unequaled Array of Offers for the Coming Year

Useful and Valuable Premiums for Those Who Get Up Clubs for Farm and Home at the Club Rate of

### ...35 CENTS A YEAR...

Anyone Can Form a Club and Secure a Premium by Complying with the Conditions as Given Below

We present herewith a condensed list of the many premiums which we give to those who get up clubs for Farm and Home. The premiums offered have been selected with more than ordinary care and with special reference to their suitability to those likely to win them. Particular attention is called to the fact that we give double the value offered heretofore, the premiums which we formerly gave for four subscribers going for two subscribers, and so on. These offers, however, are for new subscribers only, and we hope hereby to greatly increase our circulation. We still give premiums for old subscribers, but double the number of new subscribers are required in each case. For example: To secure any premium offered for two new subscribers you must send four old subscribers, and so on, for any article advertised. A new subscriber is one who is not a reader of the paper at present, while an old subscriber is one whose name appears on our subscription list, and who receives the paper regularly. Every article advertised is well worth working for and all who get up clubs and secure one or more of these premiums will find themselves doubly repaid for the little time it will take. The first column gives the number of each article, and the second the name.

#### GIVEN FOR ONE NEW SUBSCRIPTION

- 85 Farm and Home Art Calendar
- 86 Three Pictures
- 87 White House Game
- 88 Three Great Books in One
- 89 Fifty Popular Novels
- 90 Dambora's Encyclopedia
- 91 Samantha at Saratoga
- 92 Profits in Poultry
- 93 Homemade Contrivances
- 94 Brilliant Ring
- 95 Engraved Ring
- 96 Baby's Ring
- 97 Knot Wire Ring
- 98 Fancy Band Ring
- 99 Half Round Ring
- 100 Golden Bracelet
- 101 Animal Hatpins
- 102 Elephant Chain
- 103 Silver Thimble
- 104 Silver Guards
- 105 Three Scarf Pins
- 106 Clover Brooch
- 107 Autumn Brooch
- 108 Pearl Brooch
- 109 Pearl Penholder
- 110 Fountain Pen
- 111 Silver Pencil
- 112 Gold Plated Pencil
- 113 Letter Seal
- 114 Ink Eraser
- 115 Letter Opener
- 116 Roller Blotter
- 117 Buttonhook
- 118 Shoehorn
- 119 Cuffcase Knife
- 120 Nail File
- 121 Corn Knife
- 122 Hair Curler
- 123 Toothbrush
- 124 Darner
- 125 Bohemian Spoon
- 126 Slide Combs
- 127 Lucky Coin Brooch
- 128 Sugar Shell
- 129 Butter Knife
- 130 Pocket Comb
- 131 Pulley Rings
- 132 Emery Bag
- 133 Microscope
- 134 Reading Glass
- 135 Harmonica
- 136 Alligator Purse
- 137 Pinner Purse
- 138 Lady's Belt
- 139 Lady's Pocketbook
- 140 Boy's Chain Knife
- 141 Crispin's Axl

#### GIVEN FOR ONE NEW SUBSCRIPTION

- 242 Bull's-eye Lantern
- 243 Parlor Croquet Set
- 244 White House Game
- 245 Flag Game
- 246 White Squashon Game
- 247 Mayflower Game
- 248 Pudding Cup
- 249 Cigar Case
- 250 Stampin' Outfit
- 251 Universal Darner
- 252 Calculating Pencil
- 253 Aluminum Comb
- 254 Everybody's Printer
- 255 U. S. Flagpolet

#### GIVEN FOR TWO NEW SUBSCRIPTIONS

- 167 Handy Atlas
- 168 Wood's History
- 169 Brilliant Ring
- 170 Taper Ring
- 171 Garnet Ring
- 172 Solitaire Garnet Ring
- 173 Chased Band Ring
- 174 Heavy Emerald Ring
- 175 Silver Snake Ring
- 176 Half Round Ring
- 177 Silver Bracelet
- 178 Berry Spoon
- 179 Initial Teaspoon
- 180 Nutcracks and Nutcrack
- 181 Scissors
- 182 Harmonica
- 183 Metallophone
- 184 Callakin Wallet
- 185 Double Pocketbook
- 186 Handy Purse
- 187 Hillbook
- 188 Lady's Chatelaine Bag
- 189 Heavy Pocketknife
- 190 Stork Scissors
- 191 Nickel Shears
- 192 Enamel Shears
- 193 Razor
- 194 Six Steel Knives
- 195 Six Steel Forks
- 196 Hand Drill
- 197 Tool Holder
- 198 Baby Steam Engine
- 199 Pearl Bar Maker
- 200 Automatic Knife
- 201 Silk Remnants
- 202 Stamping Outfit
- 203 Dress Cutting System
- 204 Hair Brush
- 205 Shampoo Bag
- 206 Soldering Set

#### GIVEN FOR THREE NEW SUBSCRIPTIONS

- 221 Opal and Pearl Ring
- 222 Pig Knife
- 223 Child's Set
- 224 Dragon Chatelaine
- 225 Child's Cup
- 226 Toothpick Holder
- 227 Reading Glass
- 228 Lady's Chatelaine Bag
- 229 Alligator Pocketbook
- 230 Boston Bag
- 231 Pearl Knife
- 232 Pocketknife
- 233 Dressed Doll
- 234 Work Box Package
- 235 Medallion Portrait

#### GIVEN FOR FOUR NEW SUBSCRIPTIONS

- 240 Solid Gold Ruby and Opal Ring
- 241 Solid Gold Pearl and Emerald Ring
- 242 Solid Gold Pearl and Ruby Ring
- 243 Chased Gold Ring
- 244 Silver Bracelet
- 245 Gold Bracelet
- 246 Photo Brooch
- 247 Solid Gold Pen
- 248 Solid Gold Fountain Pen
- 249 Teaspoons (6)
- 250 Camera and Outfit
- 251 Phonograph
- 252 Celluloid Photo Album
- 253 Jackknife
- 254 Printing Press and Outfit
- 255 Yankee Engine
- 256 Magic Lantern
- 257 Electric Bell Outfit
- 258 Safety Razor
- 259 Billiard Box of Games

#### GIVEN FOR FIVE NEW SUBSCRIPTIONS

- 262 Teachers' Bible
- 263 Gentleman's Nickel Watch
- 264 Solid Gold Pearl and Amethyst Ring
- 265 Solid Gold Ruby and Pearl Ring
- 266 Solid Gold Birthday Ring
- 267 Lorgnette Chain
- 268 Gentleman's Chain
- 269 Gentleman's Chain
- 270 Table Set
- 271 Shoe Repairing Outfit

#### GIVEN FOR SIX NEW SUBSCRIPTIONS

- 278 Solid Gold Amethyst Ring
- 279 Solid Gold Pearl and Emerald Ring
- 280 Wedding Ring
- 281 Silver Oval Ring
- 282 Silver Pitcher

#### GIVEN FOR SIX NEW SUBSCRIPTIONS

- 285 Silver Sugar Bowl
- 286 Handy Repairing Outfit
- 287 Ring Air Rifle
- 288 Shaving Outfit
- 289 Medical Battery

#### GIVEN FOR SEVEN NEW SUBSCRIPTIONS

- 295 Solid Gold Pearl and Amethyst Ring
- 296 Crumb Set

#### GIVEN FOR EIGHT NEW SUBSCRIPTIONS

- 329 Solid Gold Initial Ring
- 330 Silver Plated Knives (6)
- 331 Teaspoons (6)
- 332 Forks (6)
- 333 Mandolin
- 334 Revolver

#### GIVEN FOR TEN NEW SUBSCRIPTIONS

- 532 Gentleman's Watch
- 533 Field Glass
- 534 Achromatic Telescope
- 535 Carpet Sweeper
- 536 Parlor Lamp
- 537 The Home Mender
- 538 Crack Shot Rifle

#### GIVEN FOR TWELVE NEW SUBSCRIPTIONS

- 236 Lady's Watch
- 237 Columbia Zither
- 238 Gold Clock

#### GIVEN FOR FOURTEEN NEW SUBSCRIPTIONS

- 75 Violin and Outfit
- 111 Micrograph

#### GIVEN FOR SIXTEEN NEW SUBSCRIPTIONS

- 4 Ray Camera
- 115 Desk and Bookcase

#### GIVEN FOR EIGHTEEN NEW SUBSCRIPTIONS

- 326 Kitchen Cabinet

#### GIVEN FOR TWENTY NEW SUBSCRIPTIONS

- 191 Lady's Standard Watch
- 200 Gent's Standard Watch
- 266 Violin
- 173 Turkish Couch
- 113 Tr. Set

#### GIVEN FOR THIRTY NEW SUBSCRIPTIONS

- 52 Lady's Waltham Watch
- 51 Gent's Waltham Watch

## BEAUTIFUL CALENDAR FREE TO ALL

In order to make it very easy to get up large clubs for Farm and Home and thus secure our finest premiums, we will send to everyone paying the regular club price of 35 cents for one year's subscription a copy of the beautiful Farm and Home Art Calendar, containing weather forecasts, reproductions of famous works of art, reference matter, etc, of great value. Among the other helps for securing subscriptions we call particular attention to the Secrets of Health and the Three Great Books in One, which we send in connection with a year's subscription for 40 cents, and the Handy Atlas, Wood's Natural History and Homemade Contrivances, which we send for 50 cents.

### SEE OUR NEW PREMIUM LIST

which appears in the October 15 number of Farm and Home, for a full description of the above named premiums. If not received, drop us a postal and we will send you a copy by return mail. We will also send sample copies of the calendar, blanks and posters. Should you prefer a cash commission instead of premiums, write us at once for our special cash terms.

For everything advertised above address **FARM AND HOME, Springfield, Mass, or Chicago, Ill.**

Around the Globe.

Uncle Sam's Pocketbook—In the annual report of the treas of the U S, Ellis H. Roberts says the net ordinary revenues of the government for the fiscal year were \$567,240,552, the largest in the history of the country. There was an increase of \$51,250,232 over the preceding year and a net decrease in expenditures of \$117,358,355, in comparison with '99, leaving a surplus of \$79,527,060. The aggregate amount of money of all kinds in circulation on Oct 1 is estimated at \$2,113,291,983, an increase of \$180,510,744 in 15 months, of which \$94,440,930 was due to the enlarged use of gold and gold certificates. The increase per capita was from \$25.38 to \$27.01. On Oct 1, 39.24 per cent of the total circulation was in gold and gold certificates, 26.45 per cent in silver dollars, silver certificates and treasury notes, 15.36 per cent in U S notes and 15.11 per cent in national bank notes.

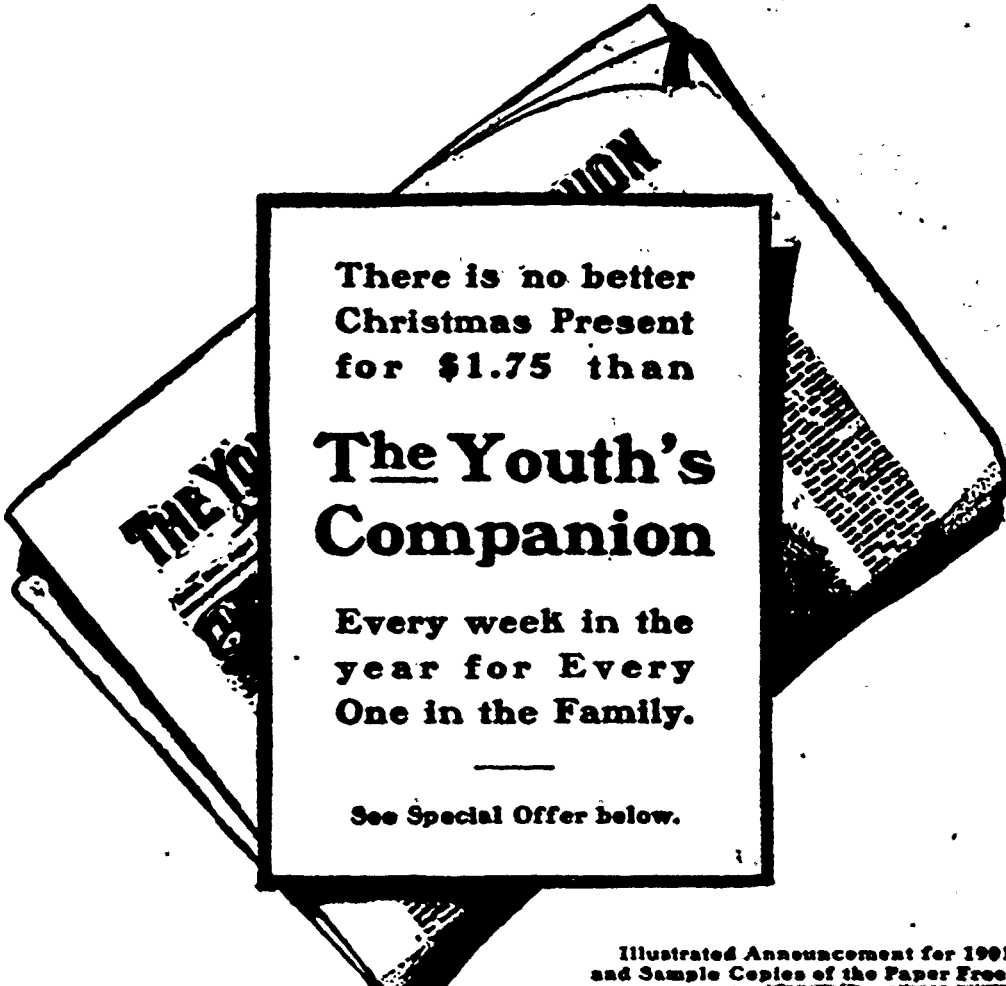
Needs of the Navy—The startling statement is made in the report of Admiral Crowninshield, chief of the navigation bureau, that the present personnel of the navy would form barely one-fourth of the total establishment necessary to fight a first-class European power. The naval academy is suffering for want of instructors and the present high standard of training cannot be maintained. Every bureau in the dept is short of officers. There are now 131 vacancies in the list of naval officers, when vacancies can be least afforded. Therefore, it is recommended for the next 10 years that appointments to the naval academy be doubled. It is declared that it is now impossible to man the vessels of our navy already constructed with the present force, not to mention those building or authorized. The report calls attention to the discouraging condition in which distinguished officers of the navy have been left by not receiving any formal recognition for their heroic services during the war with Spain, except those who shared in the victory at Manila and three who served elsewhere in the war.

Chili has voted half a million dollars to make an exhibit at the Pan-American exposition at Buffalo next year.

In the Philippines—Maj-Gen MacArthur, commander of the army and military governor of the islands, has submitted his report to the war dept. Between Nov 1, '99, and Sept 1, '00, the casualties in minor engagements were 268 Americans killed, 750 wounded and 55 captured, 3227 Filipinos killed, 694 wounded and 2861 captured. For the six months ending July 31 there died 24 officers and 971 men, of whom seven officers and 24 men were killed in action or died from wounds, the rest from various diseases. Gen MacArthur says the natives are united in their sympathy for the insurgent leaders, and that to pacify the island and make them accept American supremacy will require a large force of arms, both for the present and "for many years to come." Instructions have been sent to Gen MacArthur to start a vigorous campaign at once, pressing the remnants of the Filipino army to the last extremity, following even small bands when necessary.

For Free Rural Delivery—The appropriation for rural free delivery service, which the postmaster-general will ask from congress for the next fiscal year, probably will be upward of \$2,500,000, as it is proposed to extend the service to all parts of the country. The estimates, which will be submitted to congress for the regular free delivery service, it is understood, will be \$17,140,000, an increase of 85 per cent over the appropriation for last year.

The Boers are still making it lively for the British troops, and nearly every day skirmishes are reported. They are following guerrilla methods, at which they are greatly superior to the British soldiers. Lord Roberts has been recalled to England and Lord Kitchener placed in command. The method will be one of merciless extermination and the question of decapitating the country and adopting Gen Weyler's Cuban reconcentration plan is being considered. Fifteen thousand Boers are planning to leave the Transvaal, cross the Kalahari desert and take up their residence in German Southwest Africa.



There is no better Christmas Present for \$1.75 than

## The Youth's Companion

Every week in the year for Every One in the Family.

See Special Offer below.

Illustrated Announcement for 1901 and Sample Copies of the Paper Free.

# Twelve-Color Calendar

## For 1901 Sent Free.

**THE NEW SUBSCRIBER** who sends \$1.75, the yearly subscription price, now, with this slip or the name of this publication, will receive

**FREE**—All the remaining issues of *The Companion* for 1900, including the Double Holiday Numbers.

**FREE**—The *Companion's* "Puritan Maid" Calendar for 1901, lithographed in twelve colors with a border of embossed gold, and

Then *The Companion* for fifty-two weeks, a full year, to January 1, 1902.

C12

**THE YOUTH'S COMPANION, BOSTON, MASS.**

**Combination Offer:** THE YOUTH'S COMPANION to 1902, including the Thanksgiving Christmas and New Year's Double Numbers for two years, the *Companion's* "Puritan Girl" Calendar for 1901, in twelve colors, embossed in gold, and

FARM AND HOME. Both papers to January 3, 1902, for only \$2.00 in advance.

Address all orders to FARM AND HOME, Springfield, Mass., or Chicago, Ill.

## BALL BAND Wool and Rubber BOOTS

Keep in the Warmth—Keep out the Wet

The Ball Band boots made of wool and rubber boots is a guarantee of superior quality. They give more support and longer service than any other boots. The Ball Band is the only All-Weather boot and the rubbers are made from the highest grade rubber—the product of a tree.

Insist on getting the Ball Band boots from your dealer and see to it that you are sure of the Ball Band boots made by

BIRMINGHAM WOOLEN MFG. CO., Birmingham, Ind.

### \$50 a Month Easy!

We can give you something to do that will make you get a month's worth of money every day: bread your own home. A Big Money Making. Send your name and address, and we will send you the plan. Write today.

ORANGE JUDG CO. (Agency Dept.)  
25 Lakeside Plaza, New York.