Vol XXI No 415

MONTREAL. **CHICAGO** and **SPRINGFIELD** MASS SEPTE 15 1900 50 Cents a Year

Our Forest Wealth.

HE effects of the law requiring the manufacture of lumber cut in Ontario, and forbidding the export of logs, are very apparent throughout the lumbering districts. Where formerly a few mills, to-day not on y have the number of mills greatly increased, but the men employed by them have increased tenfold in number. Along Parry sound all the mills are working three shifts a day, and the demand for lumber is great enough to continue this overtime work for a considerable period. As our forests can be made to provide labor for thousands, and thereby build up an enormous industry, they should be kept under close government supervision. The money value of our forests is far more than is commonly supposed and it is increasing year by year.

Canadian Produce on Top at Paris.

The grand prize for cheese, butter and eggs in cold storage at the Paris exposition comes to Canada. This is the result of the persistent efforts of government agents in trying to secure a foothold for the best dairy produce made in the world, and sold in the world's markets under the most favorable conditions man can invent. The magnificent exhibit of Canadian dairy products at the exposition should result in enlarging our foreign trade.

The Teaching of Agriculture

in the public schools has got to come throughout the entire dominion, just as the study is being introduced throughout Ontario. No one is better qualified to take up this important oranch of nature study than our farmboys and girls. Public schools cannot be expected to teach nature studies without qualified teachers. When normal schools and colleges introduce this subject in their curriculum, our hoys and girls should find a real treat in the study of problems surrounding their everyday life.

The Coal Industry Booming.

Probably no line of industry in the Dominion is more busy than that of the castern coal miners. Prices are high and the coal is not being mined as fast as wanted. The industry is being developed as never before, old mines receiving additional help and new mines being opened. This is a part of the general prosperity so much in evidence throughout the dominion. Busy workmen make a good market for Canadian farm produce, especially of perishable products, such as dairy, poultry, fruit and garden produce.

Pay as You Go.

The policy of piling up an erormous state debt is taken up by towns and cities, as evidenced by special requests from them of each logislature for per-mission to contract debts exceeding the maximum allowed by law. With de-

population and enormous shrinkage in land values of some towns, the greatest care must be exercised in the appropriations and even then they are bound to be in a majorof cases all taxpayers can stand. On the other hand, where the town debt has increased extravagantly of recent years, and the tax rate as well, it is time that business farmers or others be elected on a local ticket to take charge of affairs. If this is not done, the time is not far distant when the state will be called upon to ex-tend a helping hand to rural communities in general, for other purposes than education and improved roads.

The Ladies, Bless 'Em!

It is only fair on the part of us males of the press, when women do a good thing to say so. Reference has been made to the extensive public improvements in New Orleans brought about by the women voters, those own-ing property having the franchise. The women of Baton Rouge have secured a new sewerage system. politics of Colorado are undergoing a gradual housecleaning at the hands of feminine voters. Mrs Paul's great work in keeping a part of Chicago's streets clean is widely known. Mrs Haskell has refused a third term as mayor of Gaylord, Kan. Mrs Mary Church Terrell, colored, is one of the school 'rustees of Washington, D C. Yet these things are as nothing beside the achievements of women in private as the "power behind the throne."

A Word on the Fairs.

The fall fairs are now in full swing. Spot their good points, and learn all you can. Beware of their had spots. Have a good time. A fair is a little world—good, bad and indifferent all to-gether. Our boys and girls have got to mingle with the world, and the fair usually offers a sample to begin on But gambling, liquor selling and attendant immoralities are even more out of place at an agricultural fair than in any self-respecting village or town Scotch 'em!

Farmers and Advertising.

Just 9567 of our subscribers sent in their opinion as to the "most effectively written advertisement in Farm and Home during August." The \$25 prize was won by Mell Black of Grimes. Iowa. That 10,000 subscribers should ote on this question, especially in August, shows the keen interest taken in our advertising columns. No wonder it pays reliable folks to advertise in Farm and Home—the other kind can't get in! This result affords interesting lessons to advertisers also. The ads that got the greater vote vary in size, character and arrangement. Some of the family advertising received rela-

the space ordered, seems winner. The vote also sha winner. The voto also she inat, given ads equally well written and attractively framed, that which occupies a reasonable amount or space is most effective in interesting the reader and getting his business. Our readers everywhere and the trade as well, will study the following list of ads in Farm and Home for August that received over 150 votes, as above mentioned the other votes (about 3000) being divided among every ad in the

Edgarton Co. Box 208, Shir-The C A Edgarton Co Rox 208. Shir-ley, Mass.

The York Digger Co, York, Pa.
Charles H. Childs, 14 Fayette St.
Utlea, N Y.
Walter A. Wood Co, Hooslek Falls,
N Y. Molnes In 156
Keystone Mfg Co. 20 River St. Sterling.
III 150
Macheth Pittsburg Pa 154
Sharples Co. 28 S Canal S., Chicago, III. 153

Take a Vacation.

Summer boarders have been more numerous than ever before, thoroughly enjoying the bracing air and steady, gentle breezes of the hills of the eastern states. In fact several towns have turned away applicants from lack of accommodations. No crop will work so great a revelation in a slow-going. easy town as will a lot of well-to-do business people as boarders. Their style and ways appeal more to the aesthetic, which is reflected after a few seasons by well-painted buildings lawns, clean carriages, etc. Summer ing our city cousins requires some capital for a special outlay such as a good team, easy heds, fresh meat, etc, but the dividends on the investment are often immense. The social contact with some hustling city folks also broadens the vision of many a shut-in rural family, while the fun of the business is usually enjoyed by the host as well as his guest. But the poor housewife! After the boarders go, she has carned a vacation and should have it.

The effects of the law requiring the manufacture of lumber cut in Ontario, and forbidding the export of logs, are very apparent throughout the lumber-ing districts. Where formerly a few bands were employed casually in a few

Indications are that the apple crop is the largest in the dominion and the states that has been harvested in several years. This is no roason, however, why orchardists should relax one whit

In fact, it is said that Britain and the continent can take all the Canadian and American surplus stock of first quality. Canneries at home are of recent years taking more apples than ever before. If the enterprising or-chardist hunts for a market he will probably find it.

The summer tourist season has been more profitable to Prince Edward Island hostelries than ever before. Farmers with cosy homes, well located, have also entertained many visitors, to the mutual pleasure and profit of both. The summer boarder crop is one well worth catering to.

The American corn kitchen at the Paris exposition is feeding 2000 delighted Europeans (chiefly such) per day. This can hardly fail to stimulate the corn trade. American fruits have made so good an impression at the fair that the unreasonably strict rules against the importation of our fruit into France are likely to be relaxed. Germany and Holland are reported as decidedly hospitable to our fruits if they are convinced that the dealing will be honest.

The most encouraging industrial sign which has appeared since the trust-forming epidemic of a year ago is the lively competition which is arising to meet the big combinations. Farm and Home has the names of 36 new independent companies which have been organized or are organizing to fight the four great metal trusts; it has the names of 17 others competing with nine of the large trade combines. Under such corporation laws as those of Massachusetts, and deprived of special privileges, the trusts would have a hard row to hoe.

One of the squarest and best manufacturing concerns in the country, which catered largely to the farmers and was the main support of a thriving city, has been crushed because it re-fused to join a trust. Prices were put by the combine at a level on which this company couldn't do business, for the very purpose of rulning its trade, and it has gone into the hands of a receiver. Bust the trusts!

A volunteer in the Philippines writes that the rich soil of the islands, which under modern methods, will become immensely productive, and the low wages of native eigarmakers—10 to 40 cents a day—make a most tempting field for American enterprise. Our home tobacco stowers will want such tariff legislation as was enacted for Porto Rico.

The sugar barons of Hawaii got their heart's desire in annexation to the United States, and free access to our markets, but with it they got also our contract labor law which forbids them to import coolle labor from Japan and the family advertising received relatively as much attention as the strictly in the most careful grading and packagricultural ada. The ad that is not too crowded, but is so written that it can be attractively presented in whatever leads to resource as light and an enormous states for help. Here is a slight offset be attractively presented in whatever leads is anticipated in this year's to the unfair advantage they enjoy.

FARMANDHOME

Copyrighted for 1900 by The Phelps lublishing Co.

PUBLISHED

+8 SEMI-MONTHLY#+

(let and 15th of each month)
BY THE PHELPS PUBLISHING CO.

Extered at postolibe as second-class mail matter. TERMS. So cents a year, 21 cents for six months, payable in advance, clubs of two or more, 33c 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, Janol, shows that payment has been to etted up to January 1. 1901, Felon, to February 1, 1901, and so on Some time is required after many is received before the date, which answers for a receipt, can be changed.

DISCONTINIANCLES Tarm and thome is contained to respond the subscribes until the publishers are notified by letter to discontinue, when payment of all accertices must be made. If you do not wish the paper continued for another year after your subscription has expliced, you should then notify its of discontinue in and the old as well at the residence of the subscription has expliced, you should then notify its of the subscription before a second and the subscription has expliced.

and the pair continued to another year after your auboriphion has capited, 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—Eastern or Western Edition, 60 cents per agate line each insertion listen or tions, \$1.00 per agate line each insertion Discounts for contracts made known on application FOR THE CONVENTENCE of its patterns Farm and Home has offices at

27 Worthington St., 29 DearbornSt., SPRINGFIELD, MASS. CHICAGO, ILL. Orders for subscriptions, advertisements, and editorial letters can be sent to either office.

RENEW NOW. If this date—
the pallow address label bearing your name, which will be found on the wrapper or margin of your paper, your subscription, which, as the date shows te paid up to October 1. 1990, expires with this (Bept. 18) aumibor.

We hope to receive your renewal, and count upon you to continue with us for the couning year. We want as many of the remewals now as possible, and sa an inducement in removat once we make the following special offer:

If you do not join a club or force and

If you do not join a club or form one, we will ac-cept your single subscription at the club rate, and

FARM AND HOME A FULL YEAR

FOR ONLY 35 CENTS.

graviding it is sent immediately or before October 5th, 1900.

As a still further inducement we will send to all senewing at once.

A of 50,000 word. FREE

A full lescription of this Lictionary, which is the set and most comprehensive of its kind and which see should be without, will be found elsewhere in

bett and most content and the found elsewhere in this number.

How then is the time to renew. Sit down teday, fill out the blank which you will find in your paper, if your subscription cryires, and send with all cents, in postage stamps or otherwise, and receive Farm and House regularly twice a manth for the year to come.

When renewing your subscription be sure to say that it is a renewal, also write your mame and initials exactly as they appear on the address label bearing your name. Use the blank which you will find exclosed in your paper and be careful to give the man of the postoriles where you receive your saper.

BEE our special premium offers in this issue, also to premium list and note the many valuable articles that may be had in connection with Farm and Home as a reduced price.

EOW To BEND MONET,—Amounts less than Si can be safely sent by money order, which you can get at any postoffice, and which costs test three cents, or, if more convenient, in postage stamps. Two-cent stamps preferred. Send Si or mere to belie, by registered letter, postoffice or express modely order, check or draft. A two-cent Revenue stamp should be affixed to all checks and money orders. A money order, or registere a letter, costs but a trife and may be sent at ever rick. Make money order, check or draft payable to The Phelips Publishing Co.

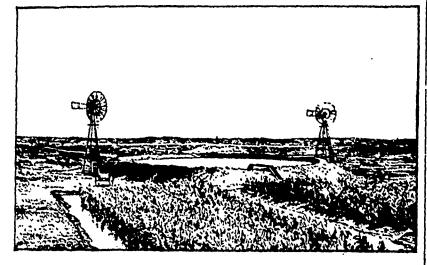
Address all orders to

Address all orders to

PARM AND HOME.

Springfield, Mass., or Chicago, Ill.

Wintering Orchard Fruits-Don't spread out winter apples and pears on spread out winter apples and pears on shelves in the ceilar, removing the deskept ones from time to time. When exposed, the apple rapidly loses its moisture and becomes shriveled, which also auses deterioration of quality. Apples and pears in cool storage should be kept tightly closed and they will be banks apolls no soil on the limited in the sunply of water to the kept made on the supply of water to the kept on the supply of water to the kept work can be covered with a given the supply of water to the kept work can be covered with a grown to took the supply of water to the kept work can be covered with a grown to the supply of water to the kept work can be covered with a grown to the supply of water to the kept work can be covered with a given the supply of water to the kept work can be covered with a grown to the supply of water to the kept work can be covered with a grown to the supply of water to the kept work can be covered with a grown to the supply of water to the kept work can be covered with a grown to the supply of water to the kept work can be covered with a grown to the supply of water to the supply of



A Homemade Prairie Reservoir.

All Around the Farm.

RESERVOIR BUILDING.

To build a reservoir for irrigation purposes, first lay off the ground, despurposes, test tay on the ground, designating the location of the embankments. The best size for a windmill plant is 100 ft square. Build the reservoir on the highest ground, and if this should be on sod, it should be plowed up and removed: if the sod is left and

voir on the highest ground, and if this should be on sod, it should be plowed up and removed: if the sod is left and the embankments are built on it. It will create a seam for the water to seep through. If there is sod on the inside it should be removed. It should not be used for constructing the banks, but may be used after the banks are completed for sodding them on the inside. Plow up the inside and with a common slip scrarer move the soil onto the banks, making them 5 ft high above the level of the ground outside. It will only take about 8 or 10 in of carth from inside to make banks. Make banks 12 ft wide at bottom or base of slope, and slope upward, drawing in from both sides until the bank is left about 3 ft wide at top, which leaves a converient walk.

The slope may be left warer perpendicular on the outside they should be as sloping as possible, and the more so the less the waves will wash them. The inside of these banks may now be lined up with slough grass or any tough sod which will be a protection from washing or enting away. It can be done cheaply and will make the banks look neat and clean. Labor is all it costs to do this; it will also assist in preventing the scepage of water through the banks. Brush laid loosely along the banks and weighed or staked down heips to break the waves. But where stone can be had to riprap the inside it will pay to do it, and is better than any other plan yet known to preserve the bank, and makes necessary less repairs to keep it up afterward. I used stone on one end of one of my reservoirs 2 yrs ago, and have had no repairing to do on that part since.

It will take two men and one team 8 or 10 days with plow and scraper to

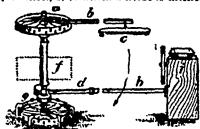
one end of one of my reservoirs 2 yrs ago, and have had no repairing to do on that part since.

It will take two men and one team 8 or 10 days with plow and scraper to build one of these reservoirs. When the bunks are completed stir the bottom of reservoir 3 or 4 in deep and harrow it as the as for a garden, then hegin to pump water and as scon as the bottom is covered, tramp with horses or cattle until the entire bottom is covered with a sloppy mud, this will then settle into and close the pores of the soil and the loss by seepage will be comparatively small. Do not stop pumping now, but keep it going and fill up the reservoir as fast as possible. Taking the soil from the inside to build the banks apoils no soil on the immediate outside, where the garden and oxchard should be; also the closer the supply of water to the kround to no irrigated, the better work can be done and the greater the area that can be covered with a given quantity of water.

The box for outlet can be made from

it should not leak, as the weight of water will keep it closed; if not, then add a weight; this can be opened by a rod or wire and put back at pleasure from the top of bank. Where parties can procure gypt in their locality, it would greatly help to cement the bottom of reservoir if put in before tramping is done, say 2 in deep.—[Q. L. Diesen, Finney Co, Kan.

A Homemade Grinder may be made by setting on end an old mowing ma-chine. A tongue, b, is bolted to the upper wheel, u, to which a horse is hitched



ETILIZING OLD MACHINERY IN GRINDING

as at c, the horse walking in a circle around the frame of mower, and step-ing over shaft h. A tumbling shaft is attached to pitman, d, where the sickle drive is a tached. The lower wheel, g, is fastened securely to hold machine solld. Tumbling shaft, h, connects with the grinder, j, by cog wheels. A belt or pulley from shaft f can be used instead of rod, h, if desired—[F. E. Hoffman, Butler Co. O.

For the Bye Crop plow the ground 4 or 5 in deep. Then harrow at once both ways to level so the subsoil will be well protected from dry winds. Keep harrowing once a week until seeding time. Then go over the ground with roller or float to pack soil down hard. Then use a drill requiring 1½ bu p a and prepare the soil the same way as for winter wheat. Sow Sept 1 to 20.—IC. E. Chambers, Buffalo Co, Neb.

Does Nitrate of Soda produce an injurious effect? Many are dis-continuing the use of it, claiming that continuing the use of it, claiming that continued application injures their soit. Two theories are put forth to explain this, (1) that the excess of nitric acid gradually stops nitrification by killing the mitrifying bacteria, and (2), that the easily assimilated nitrate causes the crop to make such luxuriant growth as to gradually exhaust the potnish and phosphate in the soit. Let us hear the experience and opinion of others on these questions: Does nitrate of soda produce an injurious effect? If so, why? Is it due to too heavy application?—[A. H. Prince, N C.

some other forage crop to be pastured off during the fall, winter, or early spring. When the crop has been pastured sufficiently and before the weeds have produced seed, floav again, plant rape in drills and give thorough cultivation. There are few weeds that will survive such treatment and the land will have given profitable returns in forage in the meantime.—[J. A. Willams.

To Drive Fence Posts get a sensoned hard-weed beetle of 20 lbs weight, as wood does not spik posts like a sledge. wood does not spik posts like a sledge. When the ground is wet and soft, load one length of well-sharpened posts, with the upper ends well rounded, into the front end of the wagon box. Drive so that the proposed line is lengthwise of and underneath the wagon. Then, standing in the rear of the wagon, set up the post and drive to required depth. By standing in the wagon I am above the post and can strike a much heavier blow than it standing on a level with or below it. IE. J. Collins, Clark Co, Wash.

To Destroy Woodchucks or skunks To Destroy Woodchucks or skunks put ¼ or ½ lb powder in a bottle and insert a fuse. Cut a notch in one side of cork and thus hold fuse in place. Have fuse long enough to place the bottle as far down in the burrows as you can, then fill the hole with dirt and light the fuse. The effect will be to both shock and smother the immates. If there is more than one entrance to the there is more than one entrance to the burrow have it filled.—[J C. Fenn, Ct.

Lime on Gumbo, or heavy, slicky clay solls, often called heavy adobe in the southwest, is seldom necessary, as many soils of this character contain an abundance of lime carbonate. The application of quick-lime to them sometimes has a beneficial effect in rendering them friable in cultivation, which, however, lasts only a few years. The use of lime on such soils will usually pay in the case of grace crops, as it renders the fertility more available. The use of lime in large scale cultures is not common in Cal. as the soils are extremely rich in lime carbonate and do not respond to liming, except when used for correcting its physical defects. [Director E. W. Hilgard, Cal Exper Sta. many soils of this character contain an

Sweet Potatoes in Europe are almost unknown, but the U S dep't of agri, after a trial shipment, believes a trade can be built up if the tubers are covered with paper and packed in ventilated barrels lined with turred paper, and shipped so as not to become chilled.

To Bale Hay or straw, one of the most simple yet durable machines placed on the market is that of the placed on the market is that of the George Ertel Co of Quincy, Ill. Ertel balers have been on the market for years and are well-known for their substantial work, making a neat, well-pressed bale. They hast for years and a machine will soon pay for itself in any section where considerable amounts of hay are raised. The manufacturers will place them on five days' trial where satisfactory arrangements can be made. A neat catalog illustrates the balers and describes the parts. It is sent free to all readers of F & H, who write to the Ertel Co for it.

OUR ADVERTISERS.

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

The Circulation of FARM AND HOME for this issue is

300,100 Copies. MANAGANANANANANANAN

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

Business Side of Farming.

APPLE EXPORT OUTLOOK GOOD.

American apples are looked upon with much favor in Europe, and the prospect for a large trade this season is excellent. In '96 the total exports were 3,000,000 bbls; less than half this amount was sent abroad last ecason. The conditions are somewhat unusual this year. The U S and Canada have good crops in prospect and the orchards in England are also heavily loaded. As a rule, however, the European apples are mostly fall varieties and are soon out of the way. Consequently if American shippers pay strict attention to packing there will be profit in exporting winter apples, even with a good crop on the other side. Nothing but fruit of fine quality and oolor should be exported. If the French import laws can be mpdified so as to permit fruit to enter freely, that country will consume a large number of bbls. Our apples are becoming popular in Germany, and for the past two Austria. American apples are looked upon

CORN CONTINUES STRONG.

In spite of a fluctuating wheat market, which is at times discouragingly weak, the price of corn has remained remarkably firm and has not been much below the 40c mark, and some of the time above it. A strong export demand, a liberal home consumption and a small amount in farmers' hands, all tend to strengthen the situation. At times the weather has been the dominant feature in the market, but regardless of a severe drouth in portions of Kan. Neb and Mo, and fears of an early frost, the crop is so far along in most of the great corn growing states that a good yield is practically assured. Another element of strength is the high price of cattle, which has stimulated feeding and resulted in an increased home consumption. The crop is maturing rapidly, and much of it is out of frost danger. which is at times discouragingly

QUALITY OF NEW WHEAT GOOD.

Threshing returns from the winter wheat sections indicate that in spite of a decreased yield in O. Ind. III. Mo and a decreased yield in O, Ind, Ill, Mo and in fact most of the winter wheat growing states outside of Lan and Okla, the quality of the crop is first class. The berry is plump and weighs well. The same holds true in some sections in the spring wheat territory. Reports from southern Minn and from S U speak of comparatively small yields per acre, but of excellent quality. This will, in a measure, counteract the reduced output. In connection with good crop conditions abroad, these reports have prevented any marked advance in wheat.

HAY CROP ONLY MODERATE.

Severe drouth at some time during the growing period curtailed the yield of grasses and clovers. In a few localof grasses and clovers. In a few localities excessive rainfall during harvest season injured the quality of the hay crep. In states which produce tame hay for market the yield will run all the way from 1½ a 2½ tons per acre; an average will probably be about 1½. Wild hay in Neb and Tex, as well as other western states, is first class. Large quantities have been put up for home feeding and considerable will be shipped. The general complaint in N Y and N E has been dry weather. Ohio has some especially good hay, but some fields are very poor. The Atlantic coast states did not escape the general shortage of moisture. Catch crops were planted quite freely, and the silo will be used more than ever before. With these to fall back on the shortage will probably not be seriously felt.

GOOD WINTER CABBAGE CROP.

The condition of growing cabbage throughout the U S is excellent. In many localities the autlook is above the average. In some portions of the central west drouth, heat and hot winds did some damage, but as a whole the cabbage crop has had fewer unfavorable conditions to contend with than usual. In the middle west drouth threatened to do serious injury late in the market has resumed its normal contend with the market has resumed its normal contend with the market has resumed its normal contend to do serious injury late in the market has resumed its normal contend to do weather and abun-

THE AMERICAN AND FOREIGN PRODUCE MARKETS AT A GLANCE

The highest quotations of wholesale prices for standard grades of farm produce in the fleading markets of the world on the dates named; processful lower.

	Bos-	New	Chl-	Cincin-	S Or-	Mem-	S Fran-		Lon-
	ton	York	cago	matt	lenns	phile	CISCO	treal	don
Sept	5	6	6	4	4	4	4	4	4
Corn, p bu	.49	.78%	7334	.76			11.10	.50	.90%
Wheat, p bu	_	.251/2	39	431/4	.51	.60	11,25	.4012	.!6
Oats, p bu	.3014	.251/4	.21	.221/2	.29	.31	11.35	.au./.	.47
Rye. 1 bu	.67	.61	.52	.5112	_		1.921/4	5714	
Barley, p bu	.48	.68	. 17	_			1.85		
Flour, p bbl	4.40	4.80	4.50	4.40	4.00	4.60	3.75	4.50	
Cotton, mld up, p lb.	095	.09%		.091	.093	£00.	_		
Cuttle, p 100 lbs i w	G.50	5.10	6 20	5.65	4,50	3.75	4.00		.1216
Sheep, p 100 lbs l w	4.00	4.35	4.06	3.75	4.00	4.00	4.50		
Hogs, v 100 lbs l w	5.75	5.95	5.54)	5.45	5.00	4.50	6,00	6.00	
Veat calves, p 100 l w	6.00	8.00	7.(4)	7.25	5,00	5.00	6.00	-	
Fowls, p lb d w	.13	.11	.081/2	.US	•4.25	*3.00	• 5.00	-	-
Butter, cany, p lb	.221/4	.22	.213.	.2314	.23	.25	.2114	.2114	.23%
Cheese, factory, p lb	.101/2	1014	.1014	.1214	.13	.1414	.1015	.11	.12
Eggs, p dz	.22	.21	.131/2	.12	.15	.131	27	.14	.1794
Apples, p bbl	1.75	2.60	2 100	2 25	1 50	3.25	11.25	7.50	
Huv. p ton	18.00	18.00	12.50	31 (4)	18.00	15.00	12.00	30.00	
Straw, rve, p ton	15.00	14.50	8.00	6.50			_	6.00	
Hops, p lb	.1414	.1514	-				.10	.14	.16%
Onions, p bu	.00	.80	.30		.75	.70	1.65	←.	
Cranberries, p bbl	==	=				==			
Potntoes, p bu	•10	.60	.40	.10	.45	.55	†1.10	•60	
Beef, p lb d w	.09	-	_				.06	_	
Pork, p lb d w		.0814		•••			.09		
Lard, p lb	.nsi	.07\$a	.06	•073	.073	.0614	.051/4	.0914	2!80.
Hides, p lb	.06},	.03	.0834	0711	.06	.081/2	.091	.071/2	_
11 bex. 11 dz. 11	cental	i. Klisti	imated :	d w.					

dant rainfall assisted in satisfactory development. In N Y and other middle states the acreage is larger than last year and the season so favorable throughout that growers are well satisfied. The crop has been notably free from disease, except in a few instances where club foot appeared. In Ontario Co the weather was very dry and prospects are poor. New England growers are highly favored. The acreage is about as usual, the plants are growing satisfactorily, and with a very few exceptions, the crop will be up to the average.

DISAPPOINTMENT IN ONIONS.

the average.

The onion grower has fairly good rea-on for complaint this year. The acreson for complaint this year. The acage is less than usual and drouth age is less than usual and drouth in some sections, excessive rains in others, cut worms, blight and thrips in the middle west, all worked upon the onion crop, and the result will be a nuch smaller yield than usual. In Washtenaw Co, Mich, the crop is in fine condition, but this state of affairs is the exception. In Racine Co, Wis, the quality of the onion crop is excellent. The Orio crop is uneven; some parts of Hardin Co report fine quality, as do also Wayne and Wyandot counties, but the onions are much smaller as do also Wayne and Wyangot counties, but the onions are much smaller than usual. N Y and L I onions suffered from drouth, while N E growers will have a much smoller quantity to market than last year.

THE NEW CRANBERRY CROP.

This season's crop of cranberries is beginning to arrive in the N Y and Boston markets. The early shipments lioston markets. The early shipments lack color and sell slowly. A little later, when the crop is more mature, the demand and prices will be better. Reports indicate that the Cape Cod crop is about two weeks late. Long Island cranberries will be more plentiful than usual. The acreage is larger and the yield is heavy. The Wis crop will be about half as large as last year, and N.E. taken as a whole, will produce two-thirds of an average yield. In N. J. the yield is fair. In view of the prospect of shortage, grewers seem inclined to hold their fruit for higher prices. prices.

Live Stock Prices Steady-The ceipts of live stock at all the leading markets have been large, and the promarkets have been large, and the preportion of really good animals especially high. In spite of free arrivals of cattle, prices at Chicago and other western markets have been around 6c n lb for the desirable grades, reaching as high an \$6.20. Buyers have discriminated sharply against half fat and inferior cattle. The hog market is fairly satisfactory. Shippers to Chicago, Indianapolis, St Louis, Kansas City, Buffalo and Pittsburg get from 5.35 in the west to 5.35 in the eastern markets; medium weights are the favorites. The sheep market is uneven, the notable feature being the occasional strength in lambs and weakness in good mutton stock. Receipts of sheep have been unusually heavy for some time.

crop of '97 is now out of the way and

states which produce the most seed, O, Ind, Mich, Ill. In and Wis, indicate a short crop. Drouth part of the time and wet weather frequently have caused a shortage. New seed, which begins to move this month, sells for Oct delivery for as much as \$10.50 in Chicago and 7.80 in Toledo. These prices indicate favorable returns to growers.

The Fish Law of Ill is receiving special attention on the part of the authorities, and commission merchants are warned not to offer for sale fish helow the legal size. For example, black bass must be 11 in long, white and rock bass 8 in, yellow perch 8 in, pike perch 15 in, pike pickerel 18 in, German carp 13 in, catfish 13 in, white perch 10 in. Infringements of the law are subject to fine.

The Peannt Crop in Va has been materially reduced by drouth. In N C the season was favorable and a good yield is the result. Over 10,000 sacks will be produced in Orange Co, the center of the Cal peanut industry.

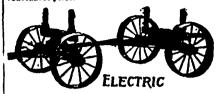
A Medge Fence Game has been perpetrated on the farmers of this petrated on the farmers of this section. The Eric Hedge Co of Ohio canvassed western New York 4 yrs ago and agreed to set and attend to and replace plants until the hedge was complete, at \$1 p rod. Several took 100 rods, \$25 to be paid annually for 4 yrs, The first 3 yrs they came for their \$25 and got it. The fourth year they were to trim and put on four wires, which would have been \$3 of their whole labor. The fourth year has passed, but no hedge fence men have shown upnor can they be found.—[M. E. Chenney, Chautauqua Co, N Y.

The Cotton Crop of Ga is estimated by the state commissioner of agri at 958,000 bales against 1,295,000 bales, the average for the last five years.

The Vermont Farm Machine Co. Bellows Falls, Vt, have been informed by cable that the Improved US separators manufactured by them have been awarded the gold medal at the Paris International exposition, where these separators are now on exhibition. This company was also awarded three medals and three diplomas of highest merit on US separators at the World's Columbian exposition in 1892. These awards show very plainly the high class of goods manufactured by this company, when they obtain such high honors in competition with the world. The Vermont Farm Machine Co.

Farm Wagon Economy.

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



This wagon is composed of the best materia throughout white hickory axles, steel wheels steel hounds, etc. Guaranteed to carry 4000 has, These Electric Steel Wheels are made to fit any wagon, and



These Electric Steel Wheels are made to fit any wagon, and rake practically a new wagon out of the old one. They can be bad in any hight desired and any width of the up to 8 inches. With an extra set of these wheels a farmer can interchange them with his regular wheels and have a high or low down wagon at will. Write fer catalogue of the full "Electric Line" to Electric Wheel Co., Box 88, Quincy, Ili.



NEW No.1 PINE DOORS

Bought at Sh.riff's Sale of sash Deer Factory, 10,000 NEW DOORS ranging in price from \$1.00 up. ALL SIZES, Write for complete list. Our manmoth Catalogue No. 27, on Lumber, Scoting, Pipe, Machinery, etc., from Sheriff's and Receiver's Sales, mailed Free of cost. CHICAGO HOUSE WRECKING CO., West 35th and Iron Sts., CHICAGO

Dig for Oil or Gas.

with the weather-proof, fire-resisting Water Paint. Takes the place of oil paint for barns, cellars, fences, c., and % cheaper. Ask dealers for it-frite for book and full information. J. A. & W. BIRD & CO., Boston, Mass.

If you would like to buy a farm in Missourt or Kansas, write to GEO. J. MILLER, Land Agent, Kansas City, Mo.

We Want Agents ****************

We want at least one good agent at every postoffice where we are not at present represented, to solicit subscriptions to FARM AND HOME. This is a rare opportunity for men and women out of employment, and even for enterprising boys and girls who wish to engage in profitable work through the summer months. If you can can was all of the time or part of the time and would make money casily and quickly, send at once for our new terms to agents and complete premium list, which we send free on request. Address

FARM AND HOME.

Springfield, Mass., or Chicago, III **************



The Poultry Yard.

E

BROILERS ON A CITY LOT.

Intensive farming in or near a city. where the market is, can be carried on in no better way than in the rais-ing of brollers. My lot is 50x150 ft with a two-tenement house and stable that

on in no better way than in the raising of broilers. My lot is 50x150 ft with a two-tenement house and stable that accommodates nine horses and sheds to cover wagons, sleighs, etc. The brooder quarters, as illustrated above, occupy the second floor of the wagon shed, 14x52 ft. The only heat obtained is from the broader stoves.

The brooders are arranged in a series, side by side, each 2½x4 ft and without hovers. They are entirely homeomade affairs and I consider them as practical as any without a regulator. One of the incubators holds 560 to 400 hens' eggs, the other 110 eggs. My first hatch was Dec 3, 29. Since then until summer I hatched 1279 chicks and raised as broilers or sold to be raised 1067. I hatch thoroughbred stock, as such sell more readily. I sold several hundred at 15 to 75c each, according to size and age, to be raised. Those that reached broilers so as to dress 1½ lbs brought at wholesale \$1.20 p pair and 1.50 to private trade.

The mest delicate part of this business is to raise them. Where there is no room to spread out growing stock, one must almost live with them to be able to satisfy their needs. They must be kept clean and healthy. I have learned that it is not any particular kind of food that is sure to raise the little artificially hatched orphans more depends on proper temperature, ventiliation and cleanliness than any prescribed method of feeding.

The first three or four hours after taking from the incubator, put them in a clean brooder that has been fieated to 90 degrees with top heat. The floor is covered ½ in deep with sharp sand and sprinkled over the sand is a little chicken grit.

Their first feed is a very little rolled oats; feed sparlingly the first day, and also for a week. After being in the brooder 24 hours, they are fed every

little chicken grit.

Their first feed is a very little rolled oats; feed sparingly the first day, and also for a week. After being in the brooder 24 hours, they are fed every two hours for three weeks, chiefly on rolled oats, fine cracked corn and millet seed. From the first hour in the brooder, they are allowed all the fresh, cold water they want. I have constantly before them in self-feeding boxes dry wheat bran, grit, charceal and bone meal. I am often surprised to see how much dry bran they eat. At three weeks I give one feed a day of warm mash until nine weeks old, when they have all hard grain.

Chicks like a variety, and I have to keep them guessing what they are going to get next. It is fun'to steal in on them on the quiet and see them all rubber-necking in their curious way to see what is to come next. I always find pleasure in feeding almost any kind of green food, as well as profit; then when the time comes to feed fresh meat and hone, to see the little anxious, hungry things go over and over each other in their eager way to get the first mouthful of that favorite meal.

If you use a brooder house in the second story, you must look out for leg

mouthful of that favorite meal.

If you use a brooder house in the second story, you must look out for leg weakness, as the sand and litter becomes very dry and I find it necessary to sprinkle the runs at night after they have gone to bed. I had great difficulty in getting eggs with good, strong germs, which are most essential in raising chickens. I do not believe it is possible to produce good, strong-germed eggs from fowls that are closely confined; give them lots of range.—[W. M. Hayes, Hampden Co, Mass.

A PRAIRIE HENHOUSE.

A sed house I have found healthful, convenient and one here shown is large enough to accommodate 75 to 100 hens.



A SOD POULTRY HOUSE

In a bank sioping southwest I make an excavation 12 ft cast and west by 22 ft north and south. At the southwest corner, the excavation is on a level with the surface of the ground; at the north



Broiler-Raising Quarters on a City Lot.

side it is 2½ ft deep. Around the edges I built a sod wall making its upperedge 5 ft above the floor. I roofed the north half with boards and covered with tarred paper. A border of sod was placed around the edge, then the whole was overlaid with 6 in of gypsum. On the south half of the roof, I placed two hotbed sashes and covered the remainder the same as the north side. Two windows were placed in the wall, there is a window level with the roosts 15 in high and 5 ft long which is open for ventilation in summer and in winter is covered with boards and banked with earth. I have an extra lattice door for summer. The walls were given two coats of gypsum and when dry a heavy whitewash was applied to fill all cracks. I have kept 75 to 100 single-combed Brown Leghorns in this house for three winters without having a frozen comband the hens lay well all through.—E. D. Smith, Kan.

To Stop Egg Eating break an egg. sprinkling the contents with caycane pepper, turning the egg around so as to work the pepper below the yolk, place the egg in the nest or where the hen will get it.—[F. P., III.

Training Ducks-If breeding stock is housed at hight and-nest boxes placed where ducks can use them, they will readily avail themselves of the privilege. It doesn't pay to let them lay anywhere and everywhere in the yard, [Mrs Leonard Johnson, Delaware Co, Pa.

Parrots do not bathe in water, but'in Parrots do not bathe in water, but in sand, which should be furnished in abundance. Provide sharp gravel for grit. Keep the cage clean. Feed a mixture of rice, hemp, cracked corn, etc. also fruit, vegetables and green stuff. If lice are found, use insect powder. Parrots learn to talk, whistle and sing by hearing phrases frequently repeated in a clear, ringing voice. After beginning to speak, they often learn rapidly, but patience is required at the start. at the start.

Mustard and Ginger-We have yel-Mustard and Ginger—We have yellow mustard growing on this farm and every fall I gather a flour sack full of the needs. In the winter I scatter this on the floor. I never use cayenne pepper. I put ginger in nott feed. I can raise 75 chicks every spring without any trouble. I never have any roup or gapes. I take good care of my poultry and they lay well.—[Lena Bennett, Eric Co, Pa.

In Starting in the standard bred poultry-business it will-be found more ratisfactory to purchase fowls than eggs. Buy a trio or breeding pen at least and a male and 10 females if you can afford it. Do not see how little



shows a feed box which hens cannot get into or crowd each other. The cover, which slopes so they will not fly upon it is covered with wire netting which permits grain to be thrown into the box without raising the cover. Hens do not like to fly up and light on this netting. A square pan may be placed in one end of this box in which to keep water, and in this position it can neither be soiled nor spilled.

Setting a Fowl's Leg—I melt some rosin and put in enough lard to make it a little soft, spread this on a strip of muslin 1 in wide and, after straightening the leg, wind the strip around several times and tie with a stout cord. Then put the chicken alone in a coop. In two weeks it will be well,—¡The Deacon's Wife.

Chick Fountain-I fill a common Chick Fountain—I fill a common glass tumbler full of water, invert an earthen flower pot saucer on top of the tumbler, then holding both close together invert the tumbler and saucer. Slip three bits of sticks as thick as a match under the edge of the tumbler and you have a fountain as good as any.—[S. N. Wolcott, Mo.

There is absolutely no limit to the market in England for poultry that is properly bred, raised, fed, killed and shipped at the right season. Millions of dollars can be added to the wealth of Canada every year, simply by breeding chickens, says. Hon Andrew Pattullo of Woodstock, Ont.

description of the second

Eczema

liow it reddens the skin, itches, cozes, dries and scales !
Some people call it tetter, milk crust or

salt rheum

salt rheum.

The suffering from it is sometimes intense; local applications are resorted to they mitigate, but cannot cure.

It proceeds from humors inherited or acquired and persists until these have been removed.

Hood's Sarsaparilla positively removes them, has radically and permanently cured the worst cases, and is without an equal for all cutaneous remotions. eruptions.

HOOD'S PILLS are the best cathartic. Price 25 cents.



Can be applied by any one on steep or flat roots.

Low Price!" Durable! Firence

THE A. F. SWAN CO., 110 2

SEPARATORS IN POWERS

WE hav sid a week and expenses to mon to introduce our Poultry Compoun-staing. Javelle Mfg. Co., Dept. 47, Para

DEATH to LICE BALLMERRY, Negrot Ame



CES

and a good carb discount is our inject offer. PAGE WOYER WIRE FERCE CO., A PRIAR, MICH.



ORNAMENTAL FENCEI

IO FENCE MCH, CO.,

CENTURY

DURABLE OFMER!

Among the Farmers. WHEAT OR SUGAR.

For a number of years wheat has been so low the average farmer has not made money from it, nor been able to with the prairie farmer of the west and northwest, and is in a quan-

cope with the prairie farmer of the west and northwest, and is in a quandary as to what to grow in place of wheat. Many have turned their attention to stock raising and d.irying with good success. But now that our American cousins are going into the sugar beet and beet sugar industry with such apparent success, Ontario farmers are awakening to the advantage and necessity of embarking in the sweet industry and keeping the millions of money at home that we now send out of the country for sugar.

The Toronto and other Canadian boards of trade have been petitioning the Dominion and Othario governments to grant a bonus of ic p ib for all refined sugar made from beets grown in Canada, for a few years, to help start the industry and place it on an causi footing with other countries. The Dominion government has agreed to admit beet sugar machinery, such as is not made in Canada, duty free, and the Ontario government is expending about \$5000 experimenting on the growing of sugar beets in this province.

Sugar beets have been grown for Loversi years in Bruce Co, on the

growing of sugar beets in this province.

Sugar beets have been grown for Loveral years in Bruce Co, on the southern shore of the Georgian bay, with such good success that a company has been formed with a capital of \$150,000 and a factory is in course of erection at Wiarton, a town of some 2500 inhabitants. Nearly 500 of the county's most industrious and thrifty farmers are growing from 1 to 10 a of sugar beets, which it is fully expected will be manufactured into the finest white sugar ere the joy bells announce the dawn of the 20th century. Other sections of Canada are awaking and becoming interested in the industry. The Ont agri college at Guelph has grown sugar beets for a number of years and in '97 the yield was nearly 17 tons r a.—[H. C. Green, Middlesex Co, Ont.

GETTING AND REEPING HELP.

If you intend hiring for the season do not put it off too long, for some-times the men are nearly all taken on

do not put it off too long, for sometimes the men are nearly all taken on and you have no choice but h. ve to .ake anyone that comes along. Some people make a mistake when hiring men by trying to beat them down below the average rate of wages, and then when the men find out they have been imposed on there is trouble.

Some people seem to think anything is good enough for the hired man. Treat your men fairly and you can generally depend on them treating you fairly. Give them as comfortable lodging as possible. Some say, "Oh the hay loft is good enough for the hired man." How would you like it yourself, on a hot night, with the horses stamping and pounding down below and the mosquitoes—2 Don't work the men all day and half the night, in your endeavors to get your money's worth out of them. Kindness in your manner toward the men has a great deal to do with your success in keep.ng them. Some men, I know, will give you trouble, but these are generally lazy, shittless fellows who are just trying to get the most money for the l-ast work, and the sooner you bid them adieu the better.—[G. B., Brant Co, Ont.

PROSPERITY BY CO-OPERATION.

Co-operative dairying is booming on Prince Edward Island. The weather continued cold during June, which retarded pastures preatly. Nevertheless, the volume of milk proved to be much

lin McDonaid, ex M F. They find that they can buy their goods at Montreal and have them delivered at the nearest railway station 30 per cent cheaper than they can buy from home merchants for spot cash. Now this is carrying co-operation to perfection, giving the farmer power to sell direct to consumers and buying at wholesale.

The competition is so keen in the markets for farm products that farmers cannot afford to give their profits to a middleman, and a non-producer, who is only a drone in the social economy and the weal of humanity. Now the farmers have proved themselves competent to carry on a large amount of business in the manufacture and sale of butter and cheese, and we see no of butter and cheese, and we see no reason why they could not buy their own merchandise in the cheapest markets as well.—[Neil McPhec.

Variety Test of Wheat-One hundred and fifty-n' .e varieties of winter wheat have been grown at the Ont agri college, have been grown at the Ont agri college, Guelph, the past 13 yrs, including varieties from all parts of Canada and the states and from Germany. Russia, France, England, Scotland and Australia. Of them, 94 varieties have been tested at least 5 yrs and only the best retained. The five varieties producing the highest and three the lowest average yields, in a series of 6 yrs tests of 33 varieties were as follows:

	Straw	I.ba	Bun
Dawson's Golden Chaff,	strong	60,3	56.7
Emptian Amber,	Weak	61,3	52 6
Imperial Araber.	MCAK	60 6	52.1
Early Genesco Glant,	strong	FQ.5	51.5
Reliable.	TCAK.	€1.4	50 9
Treadwell,	strong	00.7	(2:
Turkey Red,	weak	6L9	11.
Veiret chaff.	strong	C2.5	10.

Quebec's Finances-Provincial enues for the year ending June 30, 1900, were \$4,421,716 and expenditures 4,403,524. Of the latter, 1,538,000 was appled on the public debt of 35,000,000, toward the payment of which there is a sinking fund of 10,000,000.

The Onterio Cheese Market has been the best this season we have ever had. We shipped 104,422 cheese more than We shipped 104,422 cheese more than we ever shipped before from Montreal from May 1 to Aug 18, or a total of 1,122,000. The make is very large. We have had frequent showers. Prices have been on an average of 1½c higher than last year, and we consider last year a first-class one in every respect. We have been perfecting the quality of cheese as much as possible, turning out a finer cheese and placing it on the market more regularly and in ther condition.—[D. Derbyshire.

Straight Rows Mean Economy-I have been cultivating potatoes to-day. When I began the first four rows were When I began the first four rows were very snake-like, that was there we started to plant and one of the horses refused to pay attention to the reining, which resulted in crooked rows. It is an eld saw that more corn grows on a crooked row than a straight one. According to Euclid this should be right, for a crooked row is longer, but experience has taught me that the straighter the row the easier to till and harvest properly therefore more prodstraighter the row the easier to till and harvest properly therefore more produce is the result. I want my rows straight, not "pretty straight" but perfectly straight. How much nicer a field looks when every row is exactly where it ought to be and perfectly straight. Let's do less ramshackle farming and more "pretty good" farming and raise our standard among men. [H. L. Briggs, Alberta.

Nova Scotia-Fully 900 took in the Nova Scotia—Fully 900 took in the annual picnic held by the Pictou Cofarmers' ass'n, at the provincial experiment farm, Nappan, last month. The day was favorable, the farm in fine condition and all enjoyed the outing. The speech makir, held the interest of all.

The Greatest Need of Farmers is fertilizers. Successive cropping withhouse the interest taken in this shows the interest taken in this groat branch of agriculture by the farmers of Prince Edward Island.

This province has long been called the Benmark of America. Not only do we manufacture Cheese and butter on the co-operative Plan, but some companies are buying their goods at wholesale. This is notably the case with the East Point Dairying Co, under the efficient management of its president, Mr Laugh-The Greatest Need of Farmers is

WALTHAM WATCHES

Before 1854 there were no Waltham Watches nor any American Watches. To-day the tradition that one must go abroad for a good watch has been exploded by the American Waltham Watch Company.

"The Perfected American Watch", an illustrated book of interesting information about watches, will be sent free upon request.

American Waltham Watch Company, Walthaun, Mass.

The Ellwood Fences 42 INCH. Standard Woven Wire Fences of the

World.

ELIWOOD FILLD FERCE (STANDARD STYLE) HADE IN SIX HEIGHTS.

Standard in quality of spring steel wire, standard in heavy galvanizing, standard in efficiency, durability and economy. Standard for every fencing purpose, for horses, cattle, hors, pigs, sheep, poultry and rabbits, STAR NRID OF ECONOMY—blore of our fences sold and put up in 1899 than of all other won wire fences combined. Sold by our agents everywhere. If no agent in your town write to

AMERICAN STEEL & WIRE CO., Chicago or New York.

sloping sides to outside of yard (very much like a huge saucer), then carefully pound in blue clay over the bottom, if easily obtained, if not, use cobble stones and grout with cement. If this is well done it will save all liquid manure, thereby making the other manure more valuable, and also keeping it from leaching into stockyard or household wells. Dig and pile swamp muck in summer, so it may dry, and haul in winter where wanted. Sw. np muck is valuable when applied to heavy lands, inasmuch as it keeps it loose and less liable to bake in hot weather. Some is also very rich in plant food, especially the sods or grassy part. It can be hauled direct to fields or to stockyard and stables and used as absorbent, thereby making valuable addition to manure pile.—[T. E. Hutton, Hastings Co, Ont.

The Cape Breton railway, from Hawksburg across the strait of Canso to Louisburg, about 100 miles, with a branch to Sydney, is to be built by subsidy from the Dominion treasury, at 33200 p mile. The railway will cost 3,000,000 and the bridge across the strait. % mile long, 5,000,000. Ultimately this road, it is said, will make a link in the contemplated Atlantic-Pacific railway, together with the Canadian Atlantic, the Great Northern of Canada and other lines which are now already built or in process of construction.

The Dominion Iron and Steel Co. op-

TO THE

Atmost all cases of Deafness and Notes in Head and Ears are cured or much relieved by using THE COMMON SENSE EAR DRUMS which are made of soft rubber only, and are absolutely in-visible and comfortable. Write for pamphlet and

by Measles, Catarth, Fever, Discharges, Cougs, Eig.
THE COMMON SENSE EAR DRUM AND
MEDICINE COMPANY, (Limited)
Freehold Building,
Toronto, Canada,
Mention this paper.

\$\$\$\$\$\$\$ 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.



Cut shows cooking stove sire. We make four larger sires, suitable for home or market use. All are sre-proof and portable. CATALOGUE FREE.

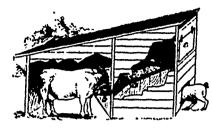
THE G. H. GRIMM MFG CO. 84 Wellington St., Montreal, Q.

a reach territory in resolvent a read a re-

Breeding and Feeding.

A CONVENIENT SELF FEEDER.

In feeding fattening cattle, there is much waste of grain besides heavy work where it is necessary to keep feeding troughs supplied with grain to keep



FEEDING CATTLE MADE EASY.

SOILING CROFS AND SILAGE FOR DAIRY COWS.

Under the present system of farming and by the practice of pasturing cows, it requires on the average about ing and by the practice of pasturing cows, it requires on the average about four acres per cow per annum. With the most approved system, the dairyman should carry at least one for each acre or in other words should devote but a single acre to a cow. This may seem to some only a theoretical statement, but some dairymen are doing much better than a cow to the acre. One instance is on record of a dairyman keeping 30 cows on 40 acres, and his herd averaged last year over 6000 ibs of milk per cow. This goal in dairying can only be attained through the use of a combination of the soiling system and the silo.

Lands which are especially farmed for soiling crops can be made to yield enormously. By a proper management it is possible to have pienty of green, succulent food for cows at least seven to eight months in the year in this latitude. The crops which I would suggest as well adapted for this purpose are in order of time of use, beginning in spring: Rye, crimson clover, red clover and mixed grasses, corn and then winding up the season with carly seeded crimson clover and rye, In some sections kale will come earlier than rye and also can be used late in the fall or carly winter.

The silo is an invaluable accompaniment of dairy farming, from the

Silage should only be fed in moderate quantities, and I should not approve on any account exclusive feeding of silage as sometimes practiced. When fed in moderate quantities it causes the cows to have a good appetite and keeps the digestive organs in good condition, which will show in the quality of product.

The corn plant is the best adapted for making silage of and to use this crop most advantageously and economically, grow it as though you were growing the crop for the grain. Then cut and put in the silo when the grains are beginning to glaze.—[H. J. Patterson, Md exper sta.

FALL AND WINTER CARE.

Feep the manure away from your stables, put it on the land and plow it Every 10 loads of manure out on with the usual method of carrying the grain to the troughs when emptied by the cattle. A method which will keep the troughs supplied and keep the grain from being wasted will recommend itself to the feeder of cattle. A self-feeder, as illustrated, can be made of a size to fill the requirements of the feed lot. The feel trough, b is at the lower sider of the building under the shed roof, which is merely a continuation of the feeder roof. The upper half of the building contains the grain. The floor of the grain bin. a is built at an angle as shown, so as to side the grain down to the opening into the trough. But the trough and is about 1 is wide—wide enough to allow the cattle to lick out the grain when the pressure above does not force it out. There will be but little of the grain at a time in the trough, but that little will be immediately replaced as soon as caten. If hogs follow the feeders, openings can be made to allow them to elect the building under the grain bin, whi h will make an excellent hog house. The soor for shoveling in the grain, c, is on Ne upper side, just beneath the caves. Grain can be put in by the wagon load. [J. L. Irwin, Nemaha Co, Kan.] the land is worth 100-lbs flour. Take care of your stock in the winter and

of the t'S should control the Cuban market. At present most of the cheese used in the island is imported from the used in the island is imported from the Netherlands. There is no reason why the checkemakers of the U.S. who are so much nearer than the Hollanders, should not capture the whole of this market.

Yards for Winter Feeding should be Yards for Winter Feeding should be large enough so that cattle will not be crowded and Jam each other around. They should be dry, with good drainage and sheds. A large grove around the feed lot is a great advantage; also a constant supply of good, pure water.—[M. S. Rosco, Neb.

Average Common Cows can be made to yield a profit. This has been done in a public manner by the Minn exper sta. Prof Haecker bought some common cows, and where he began with an average return of \$27.50 a year, he managed to bring it up to 44.50 a year.

A Tamworth Sow, mated with a Poland-China or Berkshire sire, should make an ideal cross for porkets. Such a sow should produce larger litters and as the milk giving function is so strong in the Tamworth breed, the litters should be well raised.—[J. A. MacDonald, P.E. I.

A Great Sale of Shorthorns was that carly winter.

The slio is an invaluable accompaniment of dairy farming, from the fact that it admits of putting a corn crop in a shape to be used economically by cattle and will furnish the cows a succeivent food in the winter season or even help over a severe drouth in summer. Sliage will act as an appetizer to cows and keep the digestive system in good condition.

In the use of sliage it is necessary to keep in mind the fact that milk needs to be handled with greater care than when dry food is used, as the odors from sliage are quickly absorbed by milk and will cause milk and butter to have a disagreeable smell and sometimes taste. Consequently I would advise sliage being feel in the open air or in a separate building from that in which the milking is done. On no account have the slio opening into the milking stable.

A Great Sale of Shorthorns was that of the celebrated W. D. Flatt herd of the principal Acci A Great Sale of Shorthorns was that

The Canadian heifer, Queen of the Louans, calved Jan 3, 1899, brought 1800, and a Canadian cow, Mildred 6th, 1325. The Canadian buil, Royal Banner, went for 1505. Forty-five imported animals brought 36,105, or an average of 802.33 each and 14 Canadian-bred animals sold for 10,720, an average of 765.71.

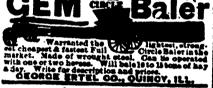
When pigs were fed meal alone at the Dominion exp farm, Ottawa, they required 4½ lbs to make 1 lb of gain. When meal and skimmlik were fed all the milk they would take and only half the meal fed formerly, only 1½ lbs meal were required for 1 lb gain with 25½ lbs milk. One pound of meal was worth 5½ lbs milk.

worth \$1/2 lbs milk.

There is nothing more injurious to a steer on full feed than to \$70 without water for a day or two. They not only shrink while without water, but when they do get water they drink too much, which throws them off their feed and causes them to scour.—[M. S. Rosco, Nob.

One of the greatest mistakes a breeder can make is to try and economize on feed when the cattle need it.







ALE YOUR HAY

THE ELI" BALING PRESS. The make Made in M styles and sine to entievery case.
All steel, light, strong, lastice. Write for free illustrated entaleque.
COLLINS PLOW CO., 1115 Hampshire St., QUINCY, ILL.





NORDYKE & MARMON CO., Floor Mill Bullfore, tab. Mil. 10 Day St., Indianapol.,, Ind.



Don't Be Imposed Upon

Don't budge an inch. No man that's human will permit his horse to suffer. Insist on having

Veterinary Pixine.

It is absolutely unfailing on gall sores, scratches, hoof rot, manke, etc. Money hack if it fails. At all druggists and dealers or mailed, postpaid.

TROY CHEMICAL CO.

TROY, N. Y.

Gold Medal

AWARDED THE



IMPROVED U.S.

<u>SEPARATORS</u>

Paris International Exposition of 1900.

YERMONT FARM MACHINE CO.,

BELLOWS PALLS, VT.

Sheep and Swine. ALFALFA A RICH HOG FEED.

[x

In the fall of '98 the Kan exper sta made an experiment to test the value of alfalfa hay when fed daily to fattening hogs that were being given all the grain they would eat. The hogs averaging 125 lbs each, were placed in lots of 10 each, in large pens, having for shelter sheds open to the south. The alfalfa hay was of the best quality, carefully cured. Black-hulled white kafir corn was fed, all they would cat without waste. Hay was fed dry in forkfuls in a large flat trough. The pigs were given more than they would eat and picked out the leaves and finer stems, rejecting the coarser stems. One lot of hogs was fed kafir corn meal dry and alfalfa hay, one lot whole kafir of alfalfa hay when fed daily to fat-

lot of hogs was fed kafir corn meal dry and alfalfa hay, one lot whole kafir corn dry, one lot kafir corn meal dry and one lot kafir corn meal wet.

The experiment began Nov 24 and lasted nine weeks. By that time the alfalfa-fed hogs became well fattened, and were marketed. We estimated that it would require four to five weeks additional feeding, with ordinary winter weather, to get the hogs that were fed grain alone into good marketable condition. The gains per hog in pounds during the nine weeks from the different methods of feeding were as follows: Kafir corn meal dry and alfalfa hay 91, kafir corn meal fed wet 63. The gain from feeding alfalfa hay with dry

kafir corn whole 59, kafir corn meal fed dry 52, kafir corn meal fed wet 63. The gain from feeding alfalfa hay with dry kafir corn meal over meal alone fed dry was 73 per cent. The pounds of gain for each bushel of feed were as follows: Kafir corn meal dry and 7.83 lbs alfalfa hay nearly 11, kafir corn whole 8½, kafir corn meal fed dry 7½ and kafir corn meal fed wet 8.

Ten hogs in nine weeks were fed 6.66 lbs alfalfa hay; and as shown above, for each 7.53 lbs alfalfa hay fed with the dry kafir corn meal, the hogs gained 3.4 lbs over those having dry kafir corn meal alone—a gain of 868 lbs pork per ton of alfalfa hay. These results are not due to the feeding value of alfalfa alone, but also to its influence in alding the hogs to better digest the kafir corn. The alfalfa hay also gave a variety to the ration, making it more appetizing and inducing the hogs to eat more grain. The 10 hogs having grain alone at 3885 lbs of dry kafir corn meal, while the 10 hogs having hay and grain at 656 lbs alfalfa hay. The hay-fed hogs ate more grain and gained more for each sushel caten.

VETCH AND RYE AS HOG FOOD.

VETCH AND RYE AS HOG FOOD.

Sand vetch is seldom raised for seed purposes in this county. Sand vetch is preminently a forage chop and mixed with rye, for fall sowing, makes one of with rye, for fall sowing, makes one of the best fall, winter and early spring forage crops. For a hog pasture nothing equals it. The rye and vetch bloom about the same time; 2 bu rye and 1 of sand verch are the right proportions for an acre, sown in autumn. An acre of such crop should carry, on good land, a dozen hogs. Of course it is not supposed that the hogs shall pasture continuously on this crop in winter, for there will likely be weeks that the ground will be frozen or covered with snow when no pasturing takes place and when growth of crop is at a stand-still.

The chemical analysis of sand vetch is somewhat similar to that of peas. It contains about 20 per cent digestible protein at the period of bloom. About protein at the period of bloom. About three to four tons of cured hay may be secured from an acre. I do not advise pusturing hogs on vetch and rye or on any other pasture crop for third month without feeding more or less grain. Brood sows, however, will do very well on such a pasture without grain. Growing hogs on pasture should be fed about 1 lb grain or meal to each 60 to 70 lbs l w. IJ. A. MacDonald, P E I.

The Lambs should be weared month and put on especially good afmonth and put on especially good attermath. Place the ewes on poor pasture and if any are heavy milkers look after them often and if need be milk occasionally until the milk flow stops. When dried up put on good pasture and get them in as good condition as possible for the milk flow womber. for the mating season in November and December.

F & H can't be best for the price-[John Carey, Wyoming Co, N Y.

College Markette Co

The Dairy.

THE DAIRYMAN'S PROBLEM.

The greatest problem before dairymen at the present time is cheaper production, and if dairymen are to make money this problem must be studied. duction, and if dairymen are to make money this problem must be studied. Manufacturers and all business men are studying this subject most earnestly and dairymen must. If we could only get patrons to do as well as two or three of the best patrons sending milk to each factory are doing, it would add millions of dollars to the income of dairymen. Or, if we could by any way get patrons to grade up all their cows to give as much milk as one or two of the best they now have, what an advancement it would rake! It is all-important that we increase the quantity of milk furnished to each factory and improve the quality as well. I believe the patrons should be brought together at least once a month, have a large blackboard, with each patron's name on it, and put opposite each name the quantity and quality of milk furnished by each, how each herd was fed, etc, and have the matter discussed fully. I think patrons would then go to work as they never did before. Discuss cheaper production—improving the stables, building silos, and every matter pertaining to the business, and you will be rewarded.—[D. Derbyshire, Ont.

Bran or Mill Feed should be fed dry. Bran or Mill Feed should be fed dry. By so doing the maximum amount of saliva is secreted during the process of mastication, and this materially aids in the digestion of the food. Saliva is an important secretion and the amount secreted is influenced by the hardness, dryness and the palatability of the feed, hence for best general results all conce. 'rated feed stuffs should be fed dry. Such feeds as shorts, middlings or fine meals of any description should be mixed with a small quantity of cut hay, chaff, ensilage or some coarse feed, so as to enable it to become readily permeated with the digestive fluid of the stomach. Not infrequently functional derangements of the digestive organs of the cow are the result of feeding sloppy feed, or that which is finely ground. The farmer causes a diminished secretion of saliva, and the latter retards digestion through its resistance to impermeability by the gastric juices.—[Prof James Withycombe, Ore Exper Sta. so doing the maximum amount of

Stone Basement Barns are in almost universal use in Ont. The obvious advantages of such barns are, warmth of stables during long, cold! warmth of stables during long, cold winters, economy in roofing materials by having both grain and stock under one roof, and greater convenience in feeding. The disadvantages are not great; the only real one that occurs to me is the dampness incidental to stone walls. Many old barns of this class were built with few and small windows, low ceilings and insufficient means of ventilation, but these defects may be easily avoided. There is perhaps more danger of total loss by fire where barns and stables are all combined in one building. Such barns are too warm for sheep and too dainp for hogs.—[See'y G. W. Clemons, Dominion Holstein-Frieslan Breeders' Ass'n.

Water - Having Raising seemed to be an inextinustible water supply beneath the surface, I made up my mind to investigate and try the experiment of raising this to the surface. I put in a pump, using as power to run it a 14 ft windmill. This pump being put in under the drive well system, has six 2 in points, 3 ft long, attached to the same number of pipes of the required length and all connecting with a larger pipe, having an 8 in cylinder. The windmill has a 12 in stroke, and under a fair wind will make about 30 strokes per minute, raising about 70 gals of water, this being 100,000 gal every 24 hours. This would be sufficient water to irrigate 20 or more acres of land thoroughly.—[C. H. Longstreth, Kearney Co, Kan. seemed to be an inexhaustible water Kearney Co, Kan.

R :

bacon curing, no less than 70 bacon curing fectories being established on this basis, and these factories have an annual output of over \$13,000,000.

Too many men are feeding cows that do not pay for their keep. No other in-

Too many men are feeding cows that do not pay for their keep. No other industry could stand such a profitless kind of work, says Prof J. H. Grisdale of the Dominion experiment farm. There are cuils among pure-bred as well as among grades and a pure-bred cuil is more to be condemned than a good grade.

good grade.

Any cow that will lay on a great coating of fat is one that is not wanted for the dairy. Fot is worth more in the milk than on the cow's back.

milk than on the cow's back.

I have seen small calves offered for sale that 5 bu of grain to each would have doubled in value.—[Marion Parr. In selecting a dairy cow, a long and deep barrel, a large mouth, large and well developed milk veins and udder are most essential. Everything else should be subsidiary to these four leading characteristics.

Our Veterinary Adviser.

up her back and the muscles seem as if they pull the hind legs forward. This trouble is the result of a deranged condition of the nerves of the back and loins. Mix 2 oz sulphate of iron and 1 oz nux vomica, divide into 24 doses, give one once a day in bran mash; repeat if needed.

OPHTHALMIA-J. K. has several OPTITIANIA—J. R. has several cows that have sore eyes and some are blind. Keep the cows in from the sunlight and bathe the eyes three times a day with cold water and after each bathing put a little of the following into the eyes with a dropper: Acetate of lead 10 gr, tincture of opium 10 drops, and vater 2 oz.

IMPOTENCY-Subscriber has a boar IMPOTENCY—Subscriber has a boar that is impotent. Feed on milk, eggs and caimeal for a few weeks; also give 36 d. ops tincture chloride of iron and 5 drops tincture of cantharides at a dose in one-half a glass of milk three times a day and continue it for three or four weeks it necessary.

CHAT WITH THE EDITOR.

FARM AND GARDEN-F. A. L.: Rawson Clipper peas are sold by W. W. Rawson of Boston, Mass.—Mrs J. O. S.: There are several good text books on ag-LUMPS ON LEG-J. A. E. has a horse that has hard lumps on its leg below the knee, just under the skin. Mix 1 dr binoidide of mercury with 14- oz lard, rub on a little once a week and continue it for several weeks if necessary.

SICK COW-O. H. B. has a sick cow; she stands around and does not eat, but there is no fever. Give 14- be epsom salts and 1 oz ginger dissolved in water at one dose. One ounce of turpentine will have no effect one way or the other on cows.

SORE ON FACE-C. F. L. has a horse that has a sore on its face just below the eye. Apply a little terchloride of antimony to the sore once a day with a feather until it is lower than the surrounding skin; then mix 1 oz oxide of zinc with 2 oz vaseline, apply a little once a day until it heals.

CHOREA-S. A. W. has a colt one year old that is in good condition, but she holds



ৣ≠★

 \star

THE De Laval "Alpha" Cream Separators have just been awarded the GRAND PRIZE at the Paris Exposition, over a large number of separator exhibits from various countries.

THE DE LAVAL SEPARATOR CO.

RANDOLPH & CANAL STA., CHICAGO.

108 & 105 Mission St., SAN FRANCISCO.

*

*

General Offices: 74 CORTLANDT STREET, NEW YORK.

PHILADELPHIA. 327 COMMISSIONERS ST.,

MONTREAL

If you want a cow that will devote all her energy to turning food into milk, get one that narrows from the hook points to the shoulder.

Out of 1173 creameries in Denmark, in which mechanical power is employed, all but 23 are co-operative; most of these have been founded since the end of the 80's. The principle of co-operation is also largely applied in The Most Cidera Tile

TIRE TIGHTENER | THE TIRE FOR SA.

Rends harmon for almort nothing. Got one
for your own use. Take
orders at 30% profit, Most it wallons thing you ever aw.
Reetyone buys on night. Nothrakin farmer made 300, here orders at 30% profit. Most ir genious thing you Kveryone buys on sight. Nebraska farmer mad summer among his neighbors. Aprète wanter & Farmers' Mostings. Hunter Co., 430 dh.St., Re

MAGIC GOLDONETOR for banking inferral, and and silven



FOURTEEN WAYS WITH APPLES.

Canned Baked Apples: Pare, quarter and core medium sized sour apples. fer and core medium sized sour apples. Fill gallon jars. For 1 at allow 1 teacup sugar and 1 teacup hot water. Cover closely and bake several hours in a moderate oven. When red, take out pieces carefully and put in hot glass cans; set jars on stove and when summer belief the sense and cool.

out pleces carefully and put in hot glass cans; set jars on stove and when syrup boils fill cans and seal.

Canned Stewed Apples: Paré, core and divide Lemon Pippins in eight pieces, place in jar in layers, sprinkling each freely with granulated sugar, cover closely and set aside over night. Make a weak syrup of sugar and water, add fresh sliced lemon peel, put in apples with julce, if any, and cook over slow the until tender but not soft. Can boiling hot and seal.

Apple Paste: Pare and core sound ripe apples. Cook in water until very soft; rub through a colander, weigh pulp and cook 20 minutes with equal weight of sugar, spread thin on earthen plates and dry in a cool oven. If stored in glass cans, kept from the air and beyond the reach of files, this paste will keep indefinitely and needs only a few hours' soaking in co d water, with a few minutes over a fire.

Marmalade: Pare, core and cut in small pieces, or chop, weigh and allow to I bb 1g ib sugar. Dissolve sugar in a little water, add apple, julce and grated rind of I lemon to every I ibs. Cook until clear, stirring often.

With Ginger: Cook 12 ibs chopped sweet apples with a little water in which 3 ibs brown sugar has been dissolved, flavoring with essence of ginger, boil slowly, stir often.

Spiced: Roil together 2 teacups vinegar, 2 ibs sugar, 2 oz powdered cinnamon, 2 z ground cloves. Add 4 lbs prepared apples, boil until tender, put in câns, reduce syrup by boiling until thick, pour over apples and seal.

Quick Apple Entrer Tince gallons of stewed apple, I at cider vinegar and 5 lbs brown sugar. Boil down to 2 gals and just before removing from inter beat in 1 teaspoons powdered cinnamon.

Jan: Pare, cut in thin shees In the least possible amount of wate, dis-

namon. Jam: Parc. cut in thin shees Jam: Pare, cut in thin shees In the least possible amount of wate, dissolve 34 lb granulated sugar to 1 lb fruit. Add, tied loosely in cheeseeloth, sliced rind of a lemon, some whole cloves and a finger length of ginger root broken in small pieces. Cook over brisk fire 12 hour, site constantly, put in glasses or jelly cups and when cold cover top with thin layer of melted parafilm. paraffin.

Cheese: To 1 lb apple pulp add 1 lb

Cheese: To 1 lb apple pulp add 1 lb powdered sugar, julce and grated rind 3 lemons and 4 eggs beaten very light. Mix and put in a saucepan containing & lb nice sweet butter melted. Cook over a moderate fire 12 hour, put into small jars or glasses. If covered with parafiln or even melted tallow it will keep quite a while and is very nice for tarts.

parailin or even melted tallow it will keep quite a while and is very nice for tarts.

Cstsup Prepare as for same 12 large sour apples. Cook soft in a little water, rub through a colander and to 1 qt add 2 teacups of vinegar, 2 small onions chepped fine. I teacup sugar, 2 teaspoons cinnamon, 1 teaspoon each mustard, cloves and pepper and 1 tablespoon sait. Boil an hour, put into pint cans and seal at once.

Dried Apple Jelly Cover 2 qts dried apples with soft water and let stand 1 hour; put on fire, add more water if necessary to cover, cook slowly 2 or 3 hours, strain through cheesecloth; to 1 pt add % 1b sugar and juice of 2 lemons, and boil to a jelly.

Sour Apples and Grapes: Heat ripe grapes, strain, dd 1 ib sugar to 1 qt and reduce by boiling one-half. Simmer in this until tender a suitable quantity of prepared fall Pippins; when tender fill cans and seal.

Sweet Apples with Grapes Cook grapes until skins are tender; rub skins and pulp through a colander, add half as much chopped sweet apple and % 1b sugar to 1 lb mixture. Cook slowly to the consistency of jam.

Apples and Quinces: Simmer prepared apples until tender in water, to 1 budd 1 lb sugar, half the weight of minces chapped fine and cook until mixture has a nice red color.—[Sarah].

SERVING THE APPLE.

Tart Apple Jelly: Wipe carefully Tail Apple Jelly: Wipe carefully, quarter, leave in core and coeds. Cover with water and cook till tender. Strain through fine sieve. To 1 pt juice add 1 lb granulated sugar. Boli till it jells, from 20 to 30 minutes. Put in Jelly, when the control of the careful tenders with the control of the careful tenders. jelly glasses while hot. When cold, cover. If in large quantities it is well

cover. If in large quantities it is went to cover with parallin,
Crabapple jelly is delightful served with custards and puddings. Prepare as tart apple jelly, ! Ib sugar to 1 pt juice. The juice and grated rind of 3 or 4 lemons adds greatly to 13 Julce. The ju 3 or 4 lemons flavor,

Sauce with raisins is an excellent sub-

flavor.

Sauce with raisins is an excellent substitute for riesh fruit at breakfast. Buy table raisins; they are richer in flavor, larger, cleaner and easier to seed. Add I cup seeded raisins to each can of apple. Cook with the apples, add rind (grated) of I lemon, also judee. Mix thoroughly. Plain apple sauce is nice for ples when apples are scarce. Line dish the day before; the moisture will evaporate and assure well-baked under crust. Have strips across tep. Serve with whipped cream.

Mix co Meat. A young housewife will welcome the following: Select lean beef, boil tuit tender Have equal weight of beef, apples and suet. Peel and core apples, chop each ingredient very fine and separately. Mix meat, suct and apples thoroughly, add raisins, stoned, currants washed carefully, citron, lemon and orange peel chopped fine; a lbs of raisins and currants to 4 lbs meat and suet each. Add chingmon, mace, clove, nutmeg and sugar to taste. Mince ples should be rants to 4 lbs meat and suct each. Add chinamon, mace, clove, nutneg and sugar to taste. Mince pies should be very sweet. Moisten well with sweet cider. Fruit syrups add greatly to richness, especially quince and pickie peach syrup. Simmer till raisins and apples are cooked through. When cool, put into stone jar.

With Minced Chicken: A delightful luncheon or suppor dainty. Select tart annles of uniform size. Remove core

With Minced Chicken: A delightful luncheon or supper dainty. Select tart apples of uniform size. Remove core with corer. Mince cold chicken fine, season with sait, a dash of cayenne, pinch of powdered thyme, ½ cup bread crumbs, moistened with 3 or 4 teaspoons sweet cream. Fill each apple and bake in oven. Serve hot or cold. Apple Bings: An attractive garnish for roast pork. Pare and core 4 or 5 medium-sized Pippins. Slice crosswise to form rings ½ in thick. Put a table-spoon of butter in hot frying pan, when melted add a teaspoon of sugar, mix well, place in the rings and fry brown. Arrange around platter of meat and

Arrange around platter of meat and

Arrange around patter of meat and serve hot.

Apple Sponge: This is delicious to carry to an invalid. A large, firm Greening, I cup powdered sugar, I cup grated apple, I egg. Grate apple in eake bowl, cover with sugar as you proceed, to prevent discoloring. Drop the egg in bowl with apple and sugar and heat all together till stiff. None of the yellow should escape, else it will not beat. When bowl can be inverted, it is done. Serve with lady fingers or thin slices of sponge cake arranged on the bottem and sides of glass dish, heaping the mixture inside, or main.—[Martha Frances Rankin.

PEARS FOR PRESENT USE.

Fried: Core, but do not pare ripe mellow pears. Fry pale brown in hot butter. Cook one side, turn, cover butter. closely, and finish slowly on back of stove

stove.

With Farina: Heat 1 qt milk in a double boiler. Stir in 5 tablespoons farina moistened with a little cold milk or water. Boil rapidly until well-thickened, then cook slowly 1 hour. Lay thin slices of ripe, mellow pears in a dish. Turn farin.. over, stir lightly with a fork, serve hot with cream.

Saind: Pare and slice very thin, allow & cup blended and chopped almonds to 1 pt prepared fruit, sprinkle with sugar, squeeze over juice of 2 lemons. When very cold serve. Hulf pears and half bananas are very pleasing.

Tarts: Cover patty-pans with goed

pears stewed in a rich sugae syrup until tender. Preserve the syrup for pudding sauce or to serve with hot

Klosse: Pare, core and mince finely 6 ripe pears. Mix with them ½ grated nutmeg, 2 oz clarified butter, sugar to sweeten, 4 well-beaten eggs, and fine-

nutneg, 2 oz clarified butter, sugar to sweeten, 4 well-beaten eggs, and fineily-grated bread to make stiff a.d smooth. Mold in egg-shaped bells with bowl of a large spoon, drop in boiling water, and simmer ½ hour. When done sprinkle lightly with cinnamon and powdered sugar, and serve with sweet sauce. A favorite German alsh,

Baked: Put medium-sized pears in a deep baking dish, pour in ½ pt hot water with ½ cup sugar stirred in, cover and bake slowly, basting frequently with syrup. Serve with cream.

Pudding: Finely chop 1 qt mellow pears. Dip 6 slices stale bread in cold water. When soft, drain are spread with butter. Lay half the ad in pudding dish, spread over nelf the pears and ¼ cup sugar, add a sprinkle of nutmeg, then bread, pears, sugar and nutmeg again. Pour ove: ¼ cup water, cover, and bake in a slow oven 2 hours. Serve hot with cream, or cherry syrup.—[Mary Foster Snider.

GRAPE HINTS.

To prevent formation of crystals in grape jelly, to 2-3 grape juice add 1-3 elderberry juice; or add the same proportion of tart apple juice. No flavor of either will be observed in the prod-

net.
Grapes that hang low in reach of chickens make nice jelly if taken when they begin to turn.
Delicious grape butter is made in the usual way with the addition of 1-4 sweet apples, stewed and pressed through a colander.
Pickled Grapes: Examine clusters of ripe purple grapes, rejecting any that have berries; loosened from stems, pack carefully in stone jars and cover with cold sweetened vinegar. Tie up and keep in a cool cellar.

stone jars and cover with cold sweet-ened vinegar. Tie up and keep in a cool cellar.

Especially fine clusters of grapes can be kept by boiling water and canning it like fruit; when perfectly cold open can, droo in clusters of grapes, fresh-ly gathered, and seal again as quickly as possible. No grape should be loos-ened from its stem and the entire clus-ters must be under water.—[S. II, W.

USES FOR GRAPES.

Jelly: Select fresh, semi-ripe grapes. emove stems, wash and drain through a colunder; put in a porcelain-lined kettle, mash well, place on the fire and kettle, mash well, place on the fire and when fruit is soft turn in a jelly bag, suspend over a jar and let drip slowly; do not squeeze. Strain, measure juice and to 1 pt allow 1 lb sugar. Boil juice rapidly 15 minutes, add sugar (heated in the oven) and boil three minutes lore. Skim carefully. Pour in glasses dipped in hot water. Seal at once. Jam: Wash and squeeze pulp from skins. Stew pulp in preserving kettle until tender, then press through a colander. Put strained pulp and skins together and measure: to 1 pt allow 1/2 lb white sugar; boil all together slowly 1/25 minutes; stirring often, as it will scorch easily. Put in pint jars or jelly plasses.

Preserves: Separate pulp and skins. Preserves: Separate pulp and skins. Stew pulp in preserving kettle until seeds separate, rub through a sieve, mix skins with pull and measure, allowing to 1 pt fruit 1 pt white sugar. Add just enough water to prevent scorching and simmer 15 minutes. It boiled skins will be tough. Seal while hot in glazs jars, not necessarily airtight. tle until a sieve. hot in glazs jars, not necessarily airtight.

Juice: Select grapes not too ripe, put

Juice: Select grapes not too ripe, put into preserving kettle with only water enough to keep from burning, heat until seeds separate readily from pulp and skins, put in a jelly bag and hang where they can drip over night. The next morning strain, measure juice, add

farina moistened with a little cold milk or water. Boil rapidly until well-thickened, then cook slowly 1 hour. Lay thin slices of ripe, mellow pears in a dish. Turn farin. over, stir lightly with a fork, serve hot with cream.

Salad: Pare and slice very thin, allow \(\frac{1}{2} \) couplended and chopped allow with sugar, squeeze over julce of a lean box with paper, put in a layer of grapes, but do not allow bunches to touch each other. On this pears and half bananas are very pleasing.

Tarts: Cover patty-pans with good pastry, fill with pared, cered and diced

Tarts: Cover patty-pans with good pastry, fill with pared, cered and diced

String in a little cold milk or water include, and it cup white sugar of 1 qt juice, bring to boiling heat and seal in cans or bottles. They must be air-tight.

For Winter Use: Select fresh bunches, ripe and perfect. Remove these grapes. Dip end of stems in hot sllowing to chill while put in a clean box with paper, put in a layer of grapes, but do not allow bunches to touch each other. On this spread another thickness of paper, another layer of grapes; continue thus until box is full. Put three or four thickness of paper and a sable to pierce with a straw remove and put in jar (heated). When all as able to pierce with a straw remove and put in jar (heated). When all as able to pierce with a straw remove and put in jar (heated). When all as able to pierce with a straw remove and put in jar (heated). When all as able to pierce with a straw remove and put in jar (heated). When all as able to pierce with as traw remove and put in jar (heated). When all as able to pierce with a straw remove and put in jar (heated). When all as able to pierce with as traw remove and put in jar (heated). When all as able to pierce with as traw remove and put in jar (heated). When all as able to pierce with as traw remove and put in jar (heated). When all as able to pierce with as traw remove and put in jar (heated). When all as able to pierce with as traw remove and put in jar (heated). When all as abl

place. If nice clean sawdust is obtainable use irstead of paper.—[Mary B. Keech.

Apple Flip-flaps-Butter gem pans and half fill with rich biscutt dough. and ann fill with rich bischit dough. Pare, core and silce, tart julcy apples, place on dough until pans are filled. Cover with sugar and butter, a table-spoon of sugar and a teaspoon of butter to each flip-flap. Grate nutmeg over, bake until brown and serve with cream. This is better that the old-style dumpling, and more easily prepared.—[Emma Clearwaters. Clearwaters.

Fried Apple-Pare and core mellow. tart apples. Cut in slices & in thick, and lay in a syrup made of lemon juice, sugar and a little water. Allow juice of 1 lemon to 3 apples. Let soak 10 minutes, dust lightly with flour and fry in hot butter. Sprinkle with powdered sugar and serve at once.—[Ruth Raymond.]

Preserved Apples-For 6 los use 3 Preserved Apples—For 6 los use 3 ibs granulated sugar. Pare, quarter and core, boil skins in water to cover, sprinkle sugar over apples dry and let stand until sugar is dissolved. Strain water from skins and pour it boiling hot over apples. Let stand until cold, heat and pour over apples again to harden. Do this several times, put all over fire, add grated rind and juice of lemon, or orange, and cook slowly until apple is clear.—[Jennic Leonard.

Steamed Apple Pudding-Fill a 2 ot granite pan 2-3 full of sour apples, cut into eighths, and add 1/2 cup water. Butinto eighths, and add ½ cup water. Butter edge of pan, also inside of lld; corer with biscuit crust of 1 pt flour, 2 teaspoons baking powder and 1½ teaspoons salt; wet with 1 scant cup milk, or just enough to make it of sufficient stiffness to roll out. Cover closely and steam 1 hour with a trivet under pan to keep apples from burning. Serve at once with molasses or lemon sauce. Put a large round plate over pan and invert all, which will leave the crust on the plate, with the apples at the top. Cut like a ple.—[S. O. F.

Compote of Pears-Cut in fine, large pears, core, pare and trim. Make a rich syrup, flavored with lemon juice, put pears in it and simmer till tender; take them up, cover with aprie jelly, pour around the syrup, boiled down until very thick.—[S. O. F.

Pickled Pears—Three quarts of vine-gar to 5 lbs of fruit, 1 lb brown sugar, gar to 5 los of fruit, I to brown sugar, ½ cup molasses, 1 oz whole cloves, ½ oz each alispice and cinnamon, with 1 tablespeon ginger in a muslin bag. Cook pears in this syrup atil soft and pour the hot syrup over. Fill jars with fruit and scal.—[A. R. A.

Grape Catsup—l'ive pounds grapes, stew until soft and tender, 2½ lbs brown sugar, 1 tablespoon cinnamon, 1 tablespoon alispice, 1 tablespoon cloves, 1 of pepper, ½ tablespoon salt, 1 pt vinexar; boll quite thick and bottle.—[M. D.

Grape Wine-Pick over and mash. Grape Wine—Pick over and mash, but do not break seeds, for they make the wine bitter. Let stand covered with a woolen cloth for a week or 10 days, stirring every day until they begin to ferment, then strain and to 4 qts of juice add 1 qt of water and 3 lbs of sugar. In November add the whites of 24 eggs to 30 gals of wine. Bottle before the March winds.—[M. D.

Jellied Apples-Take a fine-flavored apple, the Northern Spy is my favor-ite, quarter and core, throw in cold water as fast as pared; to 12 lbs apple take 6 lbs granulated sugar, heat sugar in oven, add 1 oz cinnamon freshly ground, 1 oz white ginger, 6 cloves, add 1 pt water, lct slowly come to bolling point, water, let slowly come to boiling point, drop in one by one the quarters, as soon as able to pierce with a straw remove and put in jar (heated). When all are done pour over remaining juice, cover tight and set aside. It care is taken in not allowing to chill while putting up they will keep a fine color and keep indefinitely.—[Emma Hahn.



HERE are many white soaps, each represented to be just as good as the Ivory; they are not, but like all imitations, they lack the peculiar and remarkable qualities of the genuine. Ask for Ivory Soap and insist upon getting it. Ivory Soap is 99th per cent. pure.

Working Together.

[x

PATRONS' CO-OPERATIVE BANK.

Stony Point grange of Madison, Ind. now having 60 members, in '95 built a new hall. On completion, the grange found itself in debt \$400. The regular income of the grange was not sufficient to pay the debt rapidly. Patrons then devised a simple plan of banking. Each member that desired was given a chance to make small deposits for the chance to make small deposits for the following purposes: 1st, toward payment of the hall debt of 400; 2d, to loan to Patrons; 3d, to loan to individuals not members of the order. Scattering the grange debt among fatrons has a tendency to increase each member's interest in the grange. Depositing small sums in the grange treasury and receiving interest also inspires interest in the order. in the order.

In the order.

A deposit system was established, controlled by the regular officers of the grange, and the receipt and disposal of money is taken up in the regular order of grange pusiness at each regular meeting. Each Patron wishing to deposit is surnished a small deposit book in which the secretary enters each deposit when made. The secretary deposit when made and an account of all loans are entered and an account of all loans keeps a cash book in which all deposits are entered and an account of all loans made. Funds are loaned to Patrors on abort time, all made payable at a certain time each year. At this time the entire funds on hand are paid on arrange debt and the grange pays interest to depositors. This plan will be continued until the debt is all absorbed by this fund and then it will be loaned to Patrons in preference and then to non-members always on security approved by trustees of the grange. Any depositor is entitled to borrow 50 per cent of him deposits without giving security. pecurity.

pecurity.

Deposita are limited from 5c to \$5, and no depositor is allowed to have more than 100 on deposit. All depositors are allowed the privilege of withdrawing the amount deposited on 30 days notice. Children of members of the grange who are not old enough to be members are allowed the privilege of depositing, but when they become 14-yrs must cease to be depositors or become members of the order, but have the privilege of withdrawing all their deposits provided they do not become members.

members.
All loans draw 6 per cent interest and all interest received from loans is paid to the depositors. While the funds lay is the treasury of the grange unloaned there is no interest paid thereon. Since this system has been in operation there has been about \$250 deposited. This shows that it has not been patronized as much as it should, but I can see a good influence which has been brought about by this system, and I also see where improvement may be been brought about by this system, and I also see where improvement may be made which I think will cause Patrons to take more interest in the system. I am satisfied that something of this nature could be made very beneficial to all granges if the proper interest was taken by Patrons—IT. H. Watlington.

My Groulest Mistake in farming has been in going into debt. When I began I was not satisfied to go slow and only buy such things as I could pay for, but began by borrowing money and buying what I could have done without. Neighbors were mostly older than myself and had their farms improved and machinery with which to do their work, and naturally I did not like to do without; besides, I wanted my house well furnished and family dreated like their associates. Before I realized it, I wan so desply in debt that the only way out was to call a half and do business on a different basis. I determined to buy only what I could pay for on the spot, and although it took much self-denial, I soon found I was able to live and in a slew way gradually pay off the old debts. I have now paid . 2 last one and am determined under ...o circumstances whatever to again so in debt. My advice to all young men is pay as you go, even if you have to go slow. It. Wauker, Brown Co, Neb. my such things as I could pay for, but

Annual meeting last month and elected officers as follows: President, W. A. Graham of Machpelah; lecturer, J. C. Hais of Wade; secretary-treasurer and state husiness agent. T. R. Parker of Hillsboro. There was a fair attendant of the first and not take 10 for it. Long may agen. As the shoe factory and tannery | Doc, Okanogan Co, Wash. The W C Parmers' Alliance held its

have not been successful, it was decided to dispose of the property. The alliance voted to request the N C b'd of sgri to establish n branch experiment station on the animore headquarters in Hillsboro Co and that a farmers' congress he held at the farm annually ters in Hillsboro Co and that a farmers' congress be held at the farm annually by the alliance and b'd of agri. Resolutions were passed favoring a special tax to keep all public schools open at least 4 mos of each year, appropriation of a sum sufficient for the support of the state university. A and M college, state normal and industrial college on a permanent basis, so that every white student in the state may have free tuition, favored a law compelling school attendance between ages of 7 and 15 yrs, prohibition of employment of children of immature age in manufacturing industries, establishment of reformatories for young criminals. reformatories for young criminals.

The Farmers' National Congress, which met in Col last month in 20th an-Pres. W. D. Hoard of Wis; vice-pres. J. M. Cunningham of N C: sec. John M. Stahl of Chicago. The convention was attended by about 350 delegates. One attended by about 350 delegates. One of the best papers read was by Col J. B. Killebrew of Tenn on the Resources of the south. He said that that part of the country was destined to be the center of the world's industry because of the cotton, coal, iron, phosphate and tobacco which it possessed in abundance. Senor Jose Romero of the Mexican legation at Wash addressed the congress on the agricultural resources and possibilities of Mex. This paper was very comprehensive.

The Thing to Shout-While politi cal candidates are busily engaged in shouting for or against expansion, sit-ver, tariff, etc. I believe we farmers shouting for or against expansion, silver, tariff, etc. I believe we farmers ought to require candidates for congress to do a little shouting for postal savings banks. We read frequently of bank failures, building and loan ass'n crashes, etc; but who are the sufferers? The people. Now is a good time to bring this subject before the country. Postal savings banks enable the people to have that which we are proud of in the U S—independence. Postal savings banks would give the people for right and privilege to prepare for dull times which we have here every few years. Postal savings banks are the first stepping stones to thrift; it would enable us to teach our children thrift and independence from childhood. Now is the accepted time. Ascertain from your political representatives (no distinction of party) what his views are on postal savings banks, if he would support such a bill if brought forward. If he has any doubts, he is no friend of the people. He is a friend to the money trusts and no good: don't support him.—[J. H. Deryer, Northampton Co, Pa.

mean we are able to no, will guide us from entering a wrong sphere of life. It will boint out to us the road to success, and whether it points to an office of state, or the most humble of one ployment, we will master the chosen realing and make it henorable, Having chained liberal education, we will elect upright and hanest men—no others will be elected in office—to massure our able of state, county and up. resect upright and tables to office to maneure our ship of state, county and mushipal affairs. We will realize that in entering the bonds of matrimony we render ourselves responsible to a third farty, and we will feel pride in our endeavor to make said party independent and happy, never letting it have a cause to feel want or lack of guidance. We will become aware of the fact that our ellow citizen is indispensable to a third our own progress. Hence will treat him as we would like to be treated ourselves. How are farmers to supply this need? By the vatabilishment and maintenance of public libraries, reading of such mexpapers as acquaint us with the markets, results of farming operations and experiments; the various invertients to increase the farm produce and lighten the work.—[J. Einarsses, Axsinibols.

I have just made a portable steplaced for picking fruit, from the liustrated article in F & H. July 15, and would not take 10 for it. Long may F & II live and prosper.—[G. F. Eurple, Okanogan Co, Wash.

Our Great Export Crop.

For Wheat Growers, the O exper sta offers the following advice: Put the seed hed for wheat in the best possible seed bed for wheat in the best possible condition by plowing early, thoroughly pulverizing the surface immediately to retain moisture, and manuring or fertilizing liberally: then delay seeding to a comparatively late date to escape Hessiar fly and use a liberal quantity of seed. Two bushels of thoroughly cleaned seed are not too much for an acre of ordinary land.

Variety Tests of Wheat have been made by the Pa exper sta since 1887. All varieties were this year badly injured by winterkilling and Hessian fly. The yield was low compared with other years. The five sorts giving largest yields were: Reliable 22.3 bu, Dawson's Golden Chaff 17.4, Dietz Longberry Red 16.9, Fulcaster 16.9 and Early Genesee Giant 16.4. The poorest variety, Fultz Mediterranean, produced less than 6 bu. The average of 11 bearded chaff varieties was 14.4 bu and of 12 smooth chaff varieties, 12.5 bu, which accords with the general belief that smooth chaff varieties are affected more by the Hessian fly than bearded chaff varieties. The 'ate sown wheat was less affected by the fly than the early sown. Four plots sown Aug 31 and four sown Sept 22 gave an aterage yield of 13 and 20 bu respectively. varieties were this year badly injured

Plant Plump Seed-Selections of seed have been made from each of two varioties of vinter wheat by the Ont agri rioties of finter wheat by the Ont agricollege at Guelph, and sown on separate plots. The result was a clear indication that only large, plump seed should be used for seeding. Such seed produced the particle particle particle per measured bushel than that of any other selection, small, plump seed produced 35 bu, shrunken seed 335 bu and broken seed 7.3 bu.

The Winter Wheat area of Neb will he increased if the Neb exper sta can find-varieties hardy enough. Of 37 vafind-varieties hardy enough. Of 37 varieties sown in the fall of '96 all winter-killed except Turkey Red. Big Frame and Currell. Of over 100 varieties sown in the fall of '95, all winterkilled but five, the above three being among those proving hardy. Last fail 42 varieties were sown of which seven falled to germinate and 18 winterkilled. The above three varieties were among the best. After years of testing, the station is led to believe that home-grown seed is better than imported. seed is better than imported.

About the Chinch Bugs-J. M. McC. asks a question that cannot be answered with much certainty. He says: no good: don't support him...[J. II.]
Denyer, Northampton Co. Ph.

Education convinces us that we have duties to perform toward our country, ourselves and our fellow citizens, Aware of these facts, we strive to know ourselves. Knowing ourselves to the reason for the slight injury follow-know ourselves. Knowing ourselves what we are able to do, will guide us from entering a wrong sphere of life. It will bolut out to, us the read to success, and whether it points to an office of state, or the most humbly of engling and make it honorable, Having chained liberal education, we will elect up-light and honest men-mo others will be elevated in office-to maneuver our ship of state, county and multipal affairs. We will realize that in entering the bonds of matrimony we render ourselves responsible to a third farty, and we will feel pride in our endeavor to make said party independ.

quantities, adding about 100 lbs muriquantities, adding about 100 lbs muri-ate of potash to the ton. This gives a fertilizer analyzing over 3 per cent am-monia, 10 to 12 per cent phosphoric acid and 24 per cent potash, and may be made up at a cost of 18 to 20 p ton.— [Director C. E. Thorne.

Winter Oats are being largely grown in Kent Co, Del, and can be grown also in the states to the south. About Sept 15 is best time to sow. They may be sown regardless of drouth if the land has been well prepared, as they do not dry or rot, as wheat does. The fly does not molest them, so there is no danger to be apprehended from sowing too early. They can be grazed by colts, calves and sheep all winter without injuring the crop. They make, if anything, a heavier and ranker growth in the fall than wheat or rye. They are considerably heavier than spring oats, usually weighing 38 to 42 lbs p bu, and give a much larger yield to the acre. They are sown for grain also in connection with crimson clover for feed. If sown for the grain, 2 bu should be sown to the acre. If one half bushel of winter oats be sow, with the usual amount of crimson clover it will help to hold the clover up so that it will cut better. Sometimes a late rain or wind storm will blow the clover down, so that the mower will have hard work to cut it all off.—[Charles Hopkins: sown regardless of drouth if the land



WEATHER. FIRE, and Lightning Proof

Black, painted, or galvanized metal ROOF, NG and siding; (brick, rock or corrected)

METAL CEILINGS and SIDE WALLS in elegant designs. Write for Catalogue. The Penn Metal Ceiling and Boofing Co., Ltd., 23d ansmnon, Philosophysics, Page 24 Marcocci M., Rodon, Hais.

Paint Without

Remarkable Discovery that Cuts-Down the Cost of Paint Seventy-Five Per Cent.

A. I. Rice, a prominent manufacturer of Water-town, N. I., has discovered a presert of making a new kind of paint without the use of oil. He calls



THE DISCOURAGE OF POWERFAST.

It Powdepaint. It evenes to the Chiner a dry pewder and all that is required is cold water to make a paint more proof, five proof and as durable as off paint more proof, five proof and as durable as off paint. It address to any surface, wond, at one, brick and from aperada and looks like off paint and cours about one-fourth what the degree has been fore had to pay for paint.

Write to Mr. A. L. Nice, M. G. Arsenat St., Water form X. T., and he will seed you a spectral of his new discourage, after color early and full information abouting how you can save a greek many deliers Withe to-day.

[x

Fairs and Farmers' Meetings THREE MARITIME FAIRS

Much work has been done to make each of the direc castern provincial fairs a success, and already the crowds fairs a success, and already the crowds attending the Halifax exhibition, Sept 12 to 29, show the keen interest manifest by the general public. Exhibitors are also numerous and the \$17,000 being contested for, besides medals, has made the exhibition the best in years. One of the most interesting features are the 11 horses, just brought over for the United States government, from Scotland and England. They were all prize winners at Scotlish and English fairs, and are the admiration of crowds daily on the Halifax grounds.

The fair at St John, N B, Sept 10 to 19, is having hot competition for the \$13,000 in premiums, divided into 77 classes. The entries of live stock have been satisfactory, coming from all parts of the province, liberal premiums drew them out. The exhibition of fruit is by far the fin-st ever made in the province and caming from all three provinces. Quality is the and competition keen.

The Charlotteloun fair, Sept 25 to 28, has \$6000 in prizes, competition being open to the maritime provinces. Free transportation of exhibits over the rallways, both ways, ought to insure strong competition and big entry lists. A provincial fair has not been held on the igland since 1557. astending the Hallfax exhibition, Sept

The New York State Fair, the 69th nonual, but under an entirely new management this year, was a great success. Liberal premiums brought out a large array of exhibits in all departcess. Liberal premiums brought out a large array of exhibits in all departments, and on grange day, Auz 28, Syracuse and the fair grounds were filled to overflowing. The 5000 entries filled to overflowing. The 5000 entries filled the buildings and required 50,000 ft of canvas covering outside. The cattle shown were among the finest in the east, including Jerseys 37 head. Holstein 151, Ayrshire 32, Guernsey 38, Shorthoan 50, Hereford 21, Deven 76, Angus 63, Red Polls 87, Swiss 88, others 63. Of horses 437 were entered and in races 187 competed. The sheep show was one of the finest and biggest ever held on the state fair grounds, including Shropshires 101, Southdown 36, Humpshire 52, Unford 34, Cotswold 44, Cheviot 54, Lincoln 49, Leicester 6; Merines, American 88, Delaine 48, Ramsboulliet 6. The swine entries totaled, Victorias 30, Berkshire 75, Cheshire 12, Duroe-Jersey 31, Essex 61, Small Vorkshire 64, Poland-China 55. The poultry was up to its usual high standard in quality and numbers. Fine exhibits were made of horifulting product.

turnl, mechanical and industrial, held at Mt Greina, Pa, last month, was heid at MI Greina, 12, last month, was the usual success, although weather was unfavorable. The exhibition of farming implements was grand and all kinds of modern machinery was dis-played. Among entries in the livestock played. Among entries in the live stock department were noted prize winners from many of the eastern states, Judging was done by F. A. Lovelock of Vn. Entries especially strong were Ayrshires. Holsteins, Swiss and Jerseys, Some magnificent Shorthorns were also shown. The entries of sheep, swine and poultry were also on an extensive scale and of high quality. A model dairy was in operation. Other features pertaining to live stock affairs were in evidence and appreciated by a large attendance. large Altendance.

A series of farmers' meetings are being held during Sept in various parts of New Brumswick, each being addressed by Dr Wilfrid Grignon of Quebec on dairying and wheat raising. The meetings Sept 17 to 27, 11 in number, will all be held in Madawasks Co.

Success Without a Mortgage. A CONTENTED WOMAN'S WAY.

ANOTHER PRIZE ESSAY:

Nine years ago my husband's father offered him his farm of 200 a, in return for his maintenance, and we accepted his offer. The farm was not in a very his offer. The farm was not in a very good condition, but we were strong, young and confident of success. We both liked the healthful, happy, outdoor life. About 100 a was wild pasture land; husband drew out the little money we had in the bank and fenced this for sheep, beginning with a small flock, but which now number 60. A good income is derived from the lambs which husband ships to Boston, be-

which I derived both pleasure and profit.

We have found no occasion for mortgaging our place, and although we never expect to get rich we are very comfortable and are by no means really poor. It means hard work, lots of it, early and late, and farming, like everything else, does not always go smoothly. This year nearly our whole erop had to be planted the second time, for the first was eaten by worms as soon as it appeared. Husband has a hired man during the busy season and I have a strong girl to help most of the year. We find time for many pleasant things in life for if we haven't many of the advantages of our city cousins, we have one advantage they have not, and that is in living clase to the heart of nature and seeing her in all her hearty and loveliness of every season, which cannot fail to of every season, which cannot full testrengthen and broaden our minds IMrs J. H. Smith, Hancock Co, Mc.

A Widow Mortgage Lifter-Am 31 yrs old and have a daughter of 12 yrs. My farm of 47 a is good soil, but cov-Cheviot 54, Lincoln 49, Ledecster 6; Merines, American 88, Delaine 48, Ramboulliet 6. The swine entires totaled, Victorias 89, Berkshire 75, Chester White 78, Large Yorkshire 76, Chester Yorkshire 61, Poland-China 57. The paulity was up to its usual high standard in quality and numbers. Fine exhibits were made of horticultural products, as the season has been favorable. The Western N Y hort see entered marriy 1200 plates of fruit, and the castern N Y society 60. The floral hall was a place of rare beauty, with over 7000 vascs illied with cut dowers, to say nothing of the pottes! plants. The castification of farm machinery eclipsed anything of recent years and was a great center of interest. The buildings had all been painted a bright yellow with white trimmings, the race track collared to one mile and many feating. Have to figure closs and do lots have a daughter of 12 yrs. My farm of 47 a is good soil, but coverd with an \$500 mortgage. Try to clear \$160 to be paid on the principal each year. Last year let out the wheat, oats, coun and hay for one-third, but it takes a great deal of care from me. I have 32½ a raspheries, ½ a strawberries, ½ a blackberries, ½ a strawberries, ½ a blackberries, ½ a prapheries, ½ a strawberries, ½ a blackberries, ½ a prapheries, ½ a prapher 18, ½ a blackberries, ½ a prapher 18, ½ a blackberries, ½ a strawberries, ½ a blackberries, ½ a strawberries, ½ a blackberries, ½ a prapher 18, ½ a blackberries, ½ a prapher 18, ½ a blackberries, ½ a strawberries, ½ a prapher 18, ½ a blackberries, ½ a prapher 18, ½ a blackberries, ½ a prapher 18, ½

Ewe and ram lambs of Ramboulliet

Ewe and ram lambs of Ramboullet sheep are probably in better demand than those of any breed. They are being sought for in France, and flocks of surplus animals in this country are well worked over. A Mich breeder has orders for 1600 ram lambs of this breed. The national live stock breeders and exhibitors ass's hold its annual meeting at the Mt Gretna. Fa. exposition grounds, Aug 22. All the old officers were re-elected. The secretary reported a steady increase in membership. Various subjects of interest to breeders and exhibitors were discussed. A special meeting will be held at Allentows, Pa, during fair week, Sept 18 to 21.

The annual exhibition of the Rock-

The annual exhibition of the Rock-ingham, Va. horse and colt show assu. Aug 22-24, was well attended and up to the usual high standard. The various classes had 225 entries.

F & H and I are in love and we spend much pleasant and profitable time in each other's company.—IS. D. Ferriz, Ford Co. III.

Plants and Flowers.

A SOLID BENCH GREENHOUSE,

An enally constructed and very ser viceable greenhouse is shown herewith. It is unique in its arrangement of benches, these being on the ground,



good income is derived from the lambs which husband ships to Boston, besides the wool.

We have three cows and a pair of horses for farm work, 1 sell every pound of butter 1 can make at 25c p. 1b. We raise a good many carly vegetables, which sell readily at summer hotels. We have cultivated strawberries, raspberries, currants and Yack-berries, which bring a good profit. A flock of 200 hens pay well for the time spent on them. I began with 25 taking the entire care of them myself, but as our flock increased husband gave them his attention. Last year I took three summer boarders, from which I derived both pleasure and profit.

We have found no occasion for morting aging our place, and although we never expect to get rich we are very comfortable and are by no means really poer. It means hard work, lots of it, early and late, and farming, like everything else, does not always go smoothly. This year nearly our whole crop had to be planted the second time, for the first was eaten by worms as soon as it appeared, Husband has a hired man during the busy season and I have a strong girl to help most of the year. We find time for many pleasunt things in life for if we haven't many of the advantages of our city cousins, we have one advantage they have not, and that is in living close to the heart of mature and secing her in all her beauty and loveliness of every season, which cannot full to other beauty and loveliness of every season, which cannot full to other the and moisture much better than a thin layer of earth upon the rate of earth upon a raised wooden bench. The walk is a trench dug out between the benches as a foundation, it to secure perfect drainage. The same wooden bench. The walk is a trench dug out between then bench in the secure than a thin layer of earth upon a raised wooden bench. The walk is a trench dug out between the benches, as a trench dug out between the benche, and remained the secure than a thin layer of earth upon a raised wooden bench. The walk is a trench dug out between then bench. The walk i

OUTDOOR BULES

Many failures in growing hardy bulbs are the result of lack of knowl-edge of the best way of planting them. Many fallures in different depths and distances being

edge of the best way of planting them, different depths and distances being required for the several sorts, according to size and hardiness. For any of them a well drained situation should be selected, the ground be spaded deeply, nulverized well and enriched. No manure should be used that is not perfectly rotten, so much so that it will mix perfectly with the soil, as all bulls suffer from contact with it, and scaly bulls die from the effects. If the soil is heavy, sand, wood ashes or leaf mold should be mixed with it.

Lilies need the deepest planting of all, being set so that 5 or 6 in of soil covers the bulls, and they are from 12 to 15 in apart, according to manner of growth. Next in order of depth are hyacinth, tulip, narcissus and daffodil, all of which should be covered with 4 in of earth. The former should be set 7 in apart, and the three latter 5 in apart each way. Jonquil, sellia, grape hyacinth and anemone should be covered a in deep, jonquil and anemone 6 in apart and the others 3 or 4 in apart each way. They hulls like snowdrop and crocus need but 2 in of covering and may be planted 2 or 3 in apart each way.

Before cold weather a covering of

leaves or litter about 6'in deep should be placed over the bulb beds. In spring it must the removed excefully, a little at a time, as if all is removed at once frost may injure the tops, and if left on too long the tender shoots will become weakened by pushing through it. Properly cared for, the hardy bulbs will make a beautiful display for several weeks in spring.—[Lena A. Holmes, III. erat week Holmes, 111,

INSECTS AFFECTED BY PLANTS.

The following list of plants is interesting as being said to be repulsive to vertain injurious insects and animals. The statements have not all been verlified. The roots of the black henbane, The statements have not all been verified. The roots of the black henbane, flyoscyamus niger, placed in granaries, will drive away rats. Lepidium ruderale, a plant belonging to the same genus as the garden peppergrass, will free beds of bugs. The common tansy. Tamacetum vulgare, used as a litter in the kennel, will rid dogs of fleas. The ox-eye daisy, Chrysanthemum leucanthemum, mixed with the litter of stables will drive away files from horses. The fresh leaves of the black elder, Sambucus nigra, will rid cabbage of caterpillars. The castor oil plant, Ricinus communis, has been successfully used to protect grapevine from injury by moles. The buckwheat, Fagopyrum, protects cabbages and radishes from the flea beetle, Haltica. The leaves of the chamonile. Anthemis, rubbed upon the skin of horses protects them from annoyance by flies. A decoction of leaves of the walnut, Juglans, answers the same purpose.

leaves of the walnut, Juglans, answers the same purpose.

It has been shown by repeated experiments that the nasturitum, Tropacolum, planted about the trunks of apple trees infested with the woodly aphia, Schizoneura lanigera, will eventually rid the trees of this pest. The insects are much reduced in numbers the first year, and all disappear the second year, if the planting is repeated. In addition to these it may be mentioned that a decordion of the leaves of the common hurdock, Lappa officinalis, appears to have considerable value for protecting the roots of cabbages and onlons from injury by maggots, and of the strawberry plant from damage by the white grub.—[F. H. Sweet, E. I.

In Marketing Celery, one of the largest celery farms at Kalamazoo, Mich, where every one raises this crop, user a small shed or "coop" during stormy or frosty days. Celery is placed in the coops for a day or two ahead of another whitenesses with the in the coops for a day or two ahead of anaking abijunears so that the men are not compelled to work in plantations on cold and wet mornings. This coop is made with sides 3 ft high, an aisle 18 in wide through the center and the space on each side between aisle and side of coop illed with celery. The roof has the same slant as an ordinary building, of rough boards, which are easily removed during warm weather. Ventilators are placed through the roof boards. Celery is not handled on frosty mornings in the plantations until frost is out of the ground. The coops being stored full, men can begin work early without losing time.

The Hirtu du Japan Fig Is the hardin apart each way. Jonquii, scilla, rrape hyacinth and anemone should be lest for planting for outdoor growth in overed 3 in deep, jonquil and anemone in apart and the others 3 or 4 in part each way. They builds like snow-part each way. They builds like snow-ring and crocus need but 2 in of coving and may be planted 2 or 3 in part each way.

Before cold weather a covering of Normand, Aveyelles Parish, La.



Orchard and Garden.

A DESIRABLE BERRY.

The dewberry is one of the fruits that has come to stay and will in time supersede all extra early varieties of blackberries, such as Early Harvest, Early King, Maxwell and others, from the fact that it ripens part of its crop before any of the early kinds of black-berries begin and continues—through the season of early blackberries. It also the season of early blackberries. It also has the advantage of larger size and can be picked for the same price as strawberries, which fruit they follow. They should be allowed to trail on the ground, as is their nature, or on rocks, as we have found in our experience that when tied to a study that they do not set

ground, as is their nature, or on rocks, as we have found in our experience that when field to a stake they do not set fruit as well as when left trailing on the ground or over straw or hay mulch. Planting should be done in the fall and with a light covering of mulch to prevent their being thrown out by frost. If planted in spring it should be done as early as possible as the root growth starts very early. Plant in rows 4 ft apart and 6 ft from plant to plant, or 1815 plants p. n. This distance should bring the plants to meet if kept in line of row if good cuitivation is given and season favorable, and a full crop may be expected the following season. A mulch straw or other like substance should be given by lifting the vines lightly and placing mulch beneath so that the berries will be kept clean.

A crop of 75 to 100 crates can be expected if season is favorable, and if season is early \$3 to 3.50 per crate of 24 qts should be the price in large markets, dropping to 2.50 to 2 as the season advances. When lower than 2 they may be canned and also made into all uses that the blackberry is put to, and are by many preferred to blackberries.—[F. H. Wild, Jasper Co. Mo.

PREVENTION OF LETTUCE DROP.

Lettuce drop, the most troublesome disease affecting this crop when raised under glass, is caused by a fungus which ramifies through the soil but does not propagate by spores. The best does not propagate by spores. The best method of treating this disease is by the use of heat or sterilization of the soil. Numerous experiments with gas and chemicals have shown but the slightest efficiency in controlling it. Various methods have been tried to control this disease, one of which consists in covering the soil with a layer of about 1 in of sterilized soil. This succeeds in greatly reducing the loss; 2 in are far superior to one.

far superior to one.

are far superior to one.

The only absolute method known yet is to completely sterilize the soil in the house, or at least to heat it up to about 200 degrees F. This is done by placing 2 in tile in the soil about 1 ft deep and passing steam through them. With a large high-pressure boiler large quantities of soil can be heated to a service. large high-pressure boiler large quantities of soil can be heated in a very short time to the requisite temperature. Plants grown in such soil are greatly accelerated on account of the effect of the lact on the humus compounds. When this disease is once eradicated, care being taken to prevent the inocucare being taken to prevent the inoculation from refuse heaps, there appears to be no reason why the disease cannot be kept out of the house indefinitely. The same method of treatment would appear to apply to some of the other fungus diseases which do not propagate by spores—[Prof. G. E. Stone, Mass Exper Sta.

THE EARLIEST GARDEN CROP.

Rhubath is the carliest hie timber of the season and contains the acid the



The Harvest Season -- A Familiar Fall Scenc.

pull sparingly the second. Good rhu-barb cannot be had without abundance of manure. Put on 2 or 5 in every fall. Rhubarb grown on poor or exhausted

barb cannot be had without abundance of manure. Put on 4 or 5 in every fall. Rhubarb grown on poor or exhausted land is not fit; ext. Do not let the hills become too much crowded, else the stalks will be small and dwindled. In the fall take a spade and split all such hills and throw out half. While the same ground will hear good crops for many years, it is best to make a new bed occasionally. If the bed is properly prepared before planting and plenty of manure is added each year. I do not think cultivation does any 1 od. One of the best beds I know of has not been cultivated for 30 yrs.

There are many ways to force rhubarb. The cheapest, perhaps, and simplest, is to take a barrel without head, turn it upside down on the hill and surround the barrel with fresh manure. This should be done as soon as the plant begins to push through the ground. Before the outside plants are large enough to use the barrel will be full of brittle stalks 1 to 2 ft high. I once covered a bed with poles laid on blocks 18 in high. On these I threw manure, letting it fall down on the sides until the bed was housed in, free from frost. This was done in Dec. In Feb I opened it and found the space beneath the poles filled with red stems so brittle they snapped when touched. I have also thrown 15 to 18 in of manure directly on the hills in Feb. In a few days the plants start. I then remove the manure and put a frame about the hills and cover with glass. This gives a constant supply till the outdoor crop comes on. Better results can be obtained by digging roots in the fall and storing them in a cellar, or hurying them in the ground, where you can get at them when wanted. In Feb make a hotbed and plant these roots as classly as they will grow well. They will soon yield abundance of stalks, IW. L. Anderson, Montgomery Co. Ind. Ind.

California's Succession of Fruits in certain localities is not only most in-teresting, but profitable. By judicious the season and contains the acid the system craves after winter diet; hence cannot well be ignored. There is nothing so easily raised. Whoever has a few feet of ground may have it. A few hills will supply a family; with plenty of manure it will grow any-where. Before planting the ground should be deeply broken and plenty of manure worked in. Do not plant more than 2 or 4 buds in a hill, as it will soon be too thick anyhow. Do not plant too close, 4 ft is about right. Place roots so that buds are 2 or 4 in below the level, cover lightly with soil, then put on 4 or 5 in of manure and the work is done for the first year unless weeds start in the manure.

Planting can be done in the fall, but early applies, a stalks should be pulled the first year.

Green Gage, Yellow 1655. Then four they shall the other small fruits, with the early cherries in their beauty, cherry plums, applicat—and, by the way, an apricot orchard is a perfect to exclude air. Then nut on a shelf in cellar, heads up.—[Ia Farmisco there lie as fertile valled the planting one can have fresh fruit the year round. About 50 miles north of San Francisco there lie as fertile valled the year round. About 50 miles north of San Francisco there lie as fertile valled to a shelf in cellar, heads up.—[Ia Farmisco in the resh fruit the year round. About 50 miles north of San Francisco there lie as fertile valled to a shelf in cellar, heads up.—[Ia Farmisco in the sate of the in a shelf in cellar, heads up.—[Ia Farmisco in the test of the the state. On altitudes 1000 to 1800 ft, bounding these valleys, there are in the state. On altitudes 1500 to 1800 ft, bounding these valleys, there are grown the most devalleys, there are in the state. On altitudes 1500 to 1800 ft, bounding these valleys, there are in the state. On altitudes 1500 to 1800 ft, bounding these valleys, there are in the state. On altitudes 1500 to 1800 ft. bounding these valleys, there are in

etc. then pears, prunes, quinces, grapes, persimmons, oranges, lemons. There are ripe and green lemons on the trees now. The almonds and late apples run the work away past the holidays. No lack of work where one wills,—[Mrs E, T. Moyer.

Winter Protection of Nursery Stock—Peach trees, unlike apple, pear and other hardy growing trees, should be protected in winter months. When trees are received in the fall for spring planting, trench on the southern side of a hill, with the tops northward, in an angle of about 45 degrees. Open the trenches well and see that each one is placed in the ground from 1 to 2 ft. See that each tree is covered with loose dirt and packed firmly around the roots. When the trees are in, have an embankment thrown up all around them 2 ft or more. The tops can then be covered with pine bushes or tops of spruce, or anything that will protect them. They will come out in better condition in the spring than if left in the ordinary way. Winter Protection of Nursery Stock

Protecting Tomatoes from Frost-By a little care the tomato season may he prolonged three or four weeks. Covbe prolonged three or four weeks. Cover them in the evening with a canvas cover. Old blankets sewn together will do. They must be covered on the least indication of frost. Between the rows drive stout stakes and nail strips of boards on top at the hight of vines. Place the cover over these, letting the edges extend to the ground. Place a few small stones on edges of cover to prevent blowing off. Leave no opening so frost can get in. I prefer a heavy cover made of blankets, as this will often protect the vines when light canvas falls.—[Lewix Olsen, Kandlychi Co, Minn.

To Keep Cabbage fresh all winter cut out the heads and all the outside leaves just before frost comes, and wrap in three or four thicknesses of newspaper to exclude air. Then put on a shelf in cellar, heads up.—[In Farmer's Wife.

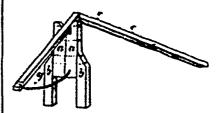
The Handy Mechanic.

SETTING SPOKES AND TIRES.

When tires get loose and spokes ratwhen thes get loose and spokes rat-tle the following is a good way to set them with oil. Have a box made of galvanized iron 30 in long, 4½ deep and about 1 in broader than the tire to be set. A furnace a little larger than the box is then placed in the ground and a couple of 1 in steel bolts laid across it for the pan to rest on. To prevent thames reaching the oil, be careful to have the furnace covered around the it for the pan to rest on. To prevent ilames reaching the oil, be careful to have the furnace covered around the box, except an opening to receive the fuel and an exit for smoke. Place the wheel in box, care being taken to place it so it will turn freely on the axle. Use enough raw linseed oil to cover the felloe. The oil should be boiled a few minutes before the wheel is placed in it. Keep the wheel in the hot (not boiling) oil one or two hours, depending on looseness of tire. The oil filling the wood prevents its being sensitive to the changes of weather, as well as swelling the wood, while if a smith sets them they remain as sensitive as ever. For this reason a tire can be set tight in dry weather and the wheel will not dish when it gets wet, which is not the case with a tire set by a black-smith. Unless your tire is unusually loose do not have the tire shrunk to the felloe, but the felloe swelled to the tire, IC, O, R. Mo.

A SIMPLY MADE WAGON JACK.

The pieces, a a, are of fixt in shaff 22 in long and sawed so that piece g. which is 2x1 in, has room enough to go between them and is inserted in the



PEVICE POR OHING WAGONE

end of c. The two pieces, b b, are also of 2x4 in size, 17 in long and sawed in the shape lilustrated. The pieces a, a, a and b are joined together with ½ in bolts, as shown by the dotted lines. The piece, c, is 4x4 in and 5½ ft, on which the wagon axle rests when the jack is to use. The spikes, c c, prevent the axle from slipping. A chain is hooked to piece a and fastened to lever g to hold lever when in use. A ½ in bolt is used through a, a and g. Another bolt is placed through the joining ends of g and c. Hugene Felsing, Williamson Co, Tex.

- where it is sometimes of the same

That Automobile.

Written for Farm and Home by Evangeline.

/ E WERE sitting on the plazza in the cool of the evening. I was listening to the drowsy hum of the cicadas, the notes of a whip-poor-will down in the orchard and the chirping of a cricket in the grass. I was pondering on "the eternal flow of things." Gbadiah, I surmised, was ruminating on his harvest; the "heft" of which was over, only one "jag" more of oats to get in, and his crops, which, to use his own words, were "smashin' good considerin' the season."

Mrs Hess was stringing beans for the the morrow's dinner, thinking—perhaps of her "emptins," more likely of her boy out in the Philippines. The cleadas went to sleep. I. began to talk automobile. I was an enthusiast on the subject and expressed surprise that Broom's Corner possessed one. "I've never seen it."

Letter the chimbley an' tearin' up shingles, poor Betty went in reg'lar cat nuptial fits. Wall, Betty sued Mc-Gee for damages an' McGee he tried to get damages off of Absalom. The lawyers is havin' a fine thing, you see. "The bull was eat up long ago. I guess they'll get it into high court.

"The breakin' of the match—that was the worst. The widows got consid'ble an apple. She'd told 'round how easy the ortermobile was to ride in an' how her barn stands just at the end o' of a horse. One day they come home an' he turned into her lane. You know how her barn stands just at the end o' her 'emptins,'" more likely of her the lane? He forgot the combination an' went right straight through the barn. The widder's ankle was sprained an here new bunnet smashed. She never forgave him an' his collarbone was proke—"

"Why doesn't he sell it?" in the cool of the evening. I was listening to the drowsy hum of the cicadas, the notes whip-poor-will down in the

the morrow's dinner, thinking—perhaps of her "emptins"." more likely of her boy out in the Philippines. The cleadast went to sleep. It began to talk automobile. I was an enthusiast on the subject and expressed surprise that Broom's Corner possessed one. "I've never seen it." "Course you ain't, nor ain't likely to."

'Course you ain't, nor ain't likely to. Obadiah brought his chair down fours with a crash. "Whose make is 11?"

"I did hold on with both hands an"

the infernal thing went faster'n fast-

Obadiah took breath.

"A very incompetent chauffeur. A fool!—"

can do that."

"Well, what about your ride?"

"Wall, you see Absalom got this machine second or third hand an' they sa; 'tain't the best kind an' it's skittish it made an awful talk when he fetched it home. The wimmin dld say when he painted his house it meant matrimony. Now I see how the wind lay.

"Absalom came along one day. I was a-fixin' that bit o' tence over there. 'Obadier,' see he, 'get in an' take a ride in my wagon,' he see. I felt kind o' squeamish, as I'd heard skittishthings 'bout the things.

'Obadier,' sez he, 'get in an' take a ride in my wagon,' he sez. I felt kind o' squeamish, as I'd heard skittishthings 'bout the thing, "We went along just as neat as a pin. Absalom a-tellin' how cheap the power was an' how easy to drive, 'Just work this lever with your left hand,' he sez, 'an' steer with this hand an' work this jingler with your toes.' She was a-galnin'. Absalom was a-showin' off, thinks me. I didn't like givin' her such a loose tein. a loose rein.

such a loose rein.
"They was a-buryin' Sam Billings that day, an' I see the funeral a-movin' long below on the flat, an' we a-makin' for it at a quarter-minute clip.
"Pull her down a bit, Absalone,' I

sez. "'I'm-I'm-tryin', sez he

"I'm-I'm-tryin', see he
"I see then he was white as my shirt
whiter, I guess, for this is kind o' yaller. I ketched holt on that lever an' I
worked her with both hands. That
dumbed thing just took the bit in herin her—an' reared up an' made straight
for the hearse. The carriages see us
a-comin' an' give us the road. Wall,
sir, we hitched into that hearse an' laws
a-mercy how we made her go. Sanvid
never had such a ride. The feller on
the seat just lathered his team to keep

McGee an' his boy drivin' their Jersey buil. It's an ugly crittur an' it stood for it a-pawin' an' bellerin' to beat the band. When the buil see the thing close runnin' without anybody nigh it—Absalom'd got out somehow—he turned tall an' ran across the lot. You know where old Betty Starks's shanty is built in the side of the hill? When that crittur came onto her roof, knockin' down the chimbley an' tearin' up shingles, poor Betty went in reg'lar cat nuptial fits. Wall, Betty sued Mc-

fours with a crash.

"Whose make is it?"

"The devil's make, good and strong; be chained down. Absalom has her there ain't no doubt about that. Why, behained to the floor an' he declares it's frightened more horses, and wimmin, an' run over more children—I guess if the roll was called some of 'em 'ud be missin—made lawsuits broke a anybody round Broom's Corners 'ind anybody round Broom's Corners take that ortermobile for a gift."

A Mother's Wisdom.

66 TS SO lonely without her " Obadiah took breath.
"You've had a ride in it then?"
"Well, I guess so, an' a pretty close shave. I wouldn't get into one again —not for a farm; no sir'ee."
"Why, you must have had a very incompetent chauffeur."
"A what?"
"A very incompetent chauffeur. A band, a gaunt, gray man, whose hands raid Mrs Ellot, putting a letter back into its envelope "but I don't see that she is getting homesick"

band, a gaunt, gray man, whose hands were hardened by labor, but whose "Absalom Nicells ain't none o' them things; least ways he warn't afore he got wimmin an' ortermobiles (Obadiah always sounded the i long) on the brain. He warn't no fool neither; that I'll maintain. He made his own farm with his own two hands. I tell you no fool can do that."

"Well, what about your ride?"

"Wall, you see Absalom got this machine second or third hand an' they say tain't the best kind an' it's skittish it made an awful talk when he fetched it home. The wimmin did say when he it them. The wimmin did say when he is telled to better than to stay here, and 'twan't just to keep her because she was a girl and our only one. But there's someone on the porch."

"ames, most likely, he always manages to come over when there's been someone down to the office and brought a letter, Poor James' she might better have a stayed at home and married him.

someone down to the office and brought a letter. Poor James! she might better have stayed at home and married him. None of her new city lovers 'il ever care for her as he does. Why, once—"but whatever recollection trembled on the woman's tongue was hushed by the entrance of their young neighbor. "I was just goin' by down to Mr Engan's and thought I'd drop in and see if you'd heard from Jennie lately," said the young man after his good-evening greeting.

"Had a letter to-day," spoke up Mrs Ellot, her face flushing under his clear gaze, "and she's coming home before long; says city folk ain't like those she was brought up with and she can't see as they're any better. Oh, yes, and she sent love to everybody who asked after her. I'd told her you allus did, James, so I s'pose I'll have to share with you."

As she spoke a pleased look came in to the guest's eyes, "Jennie was a good cirl" he said. "a little headstrong

James, so I spose In nave to snate with you."

As she spoke a pleased look came in to the guest's eyes, "Jennic was a good girl." he said, "a little headstrong sometimes, but there ain't snother like her in the state. Are you going down to come home with her?" he asked, turning to Mr Eliot.

"No, no, I guess not! I don't know as I am," stuttered Mr Eliot, getting up and going over to the window. "Think we'll have a frost to-night?"

"Can't tell." was the reply, "but I believe I'll go home and pick some of those late tomatoes. When you write to Jennie," he continued, turning to her mother. "tell her there's some folks at home that'll be mighty glad to see her."

never half such a ride. The feller on the seat just lathered his team to keep 'em from bein' run over."

"How did it end?"

"End? We'd 'ave run right over the whole percession if the power didn't give out. Blowed herself out, I s'pose "Who sued?"

"Who sued?"

"Who sued?"

"Oh, Absalom bought new glass for the hearse an' no one made any fuss.

"One day when Absalom fust got it he was ridin' in the lane an' met Jim 'He was a-goin' over to Eagan's, and 'He was a-goin' over to Eagan's, and

tnat girl of theirs has been tryin' to get him for more'n a year, but he won't go'now; you heard him say that, and, pa," going up to him' and laying one hand on his shoulder, "it was all so. Jennie is coming back, though she didn't say so in: the letter. I can feel that I'm going to have my girl again, and she'll be glad that I kept James for her; she'll understand."

"Maybe so, maybe so," he answered, "but I doubt it. Jennie's too smart some ways, and I s'pose we're to blame for it, but I always thought a little extra education wouldn't hurt her, even for a farmer's wife. It seems it has, and so we've lost her, but it's a hard lesson, wife, a hard lesson, "She'll come back, yet," reiterated Mrs Eliot, "and I'm glad I told James just what I did."

In a little city boarding house, a girl sat looking out over the housetops. Her cheeks were plak and full, her eyes clear, and her stsong young form not ungraceful. In all the great department store where she worked there was not a more attractive cierk, and the pretty compliments which she received were quite sufficient to dazzle

was not a more attractive cierk, and the pretty compliments which she received were quite sufficient to dazzle a wiser head than hers.

For three weeks she had stifted the homesickness and written home glowing accounts of her city experiences. How well the visit to the museum had looked on paper, and she had forgotten to say that it was made on Sunday, when she was so tired that every step seemed a mile. She had told them of her employer's kindness, adding that he was young and handsome and rich. She wondered if they had read that letter to James: he was often there, her

She wondered if they had read that letter to James; he was often there, her mother wrote, and tried to cheer them in their loneiiness. Mechanically she leaned out of the window and watched the hurrying crowd below her.

It was 7 o'clock, and she had been invited to go to the opera at 8; yes, and to go with her employer. How proud she had felt at the invitation, but one little sentence, carelessly uttered, had brought the color to her cheeks and filled her heart with a sense of shame. It was at the glove counter, of which she had charge, and he had sauntered up carelessly, spoken of the opera, asked the pleasure of taking her, and then turning away, added the words that turning away, added the words that turned all her pleasure to Dead sea ap-ples: "Of course we won't take a box. It wouldn't do to have my set know it wouldn't do to have my set anow that I went to the opera with one of my girls." The tone more than the words stung her, "one of my girls." So that was the honor for which she had left home, and its comforting loyal hearts; but she had already given her promise; should she break it?

should she break it?

An hour later a fashionably dressed gentleman was shown into the little parlor, and found his expected companion in shirt walst and skirt as she came

ion in shirt waist and skirt as she came from the store.

"I am sorry, Mr Hawley," she said coldly, "but I have changed my mind, and you will have to get one of your own set to accompany you to-night."

"The deuce, you have," he ejaculated flushing with anger. "You don't seem to understand, Miss Ellot. Any girl in the store would have considered it an honor for me to show her attention in that public way. You surely could not expect more of me."
"I expect nothing, Mr Hawley, and

expect more of me."

"I expect nothing, Mr Hawley, and assure you that I prefer our relations to be strictly of a business nature. I realize, at last, that I could not go with you as an equal and I would not under any other conditions."

"You're too proud for a clerk," he replied succeingly, "but it may be well for you to understand at once that our clerks are expected to be agreeable when we want them to, and—well—I need say no more."

need say no more

"No more, Mr Hawley, and I bid you good-night."

good-night."
The next day a soft knock sounded on the farinhouse door and the mother opening it clasped her arms around her daughter's neck.
"I knew it." she cried cagerly. "I

her daughter's neck.

"I knew it," she cried eagerly. "I knew you were coming. Jennie, and I told James so last night."

"I am glad of it," the girl replied, brushing away the tears that would gather. "Do you suppose he'll be over to see me to-night?"

"Of course he will," answered the mother. "Andr-and you'll be right pleusant to him, won't you, dear? Seem's if we couldn't have gotten along without him while you was away."

without him while you was away."
"Yes." said the girl. "Foor Jamen;
he belongs to my set," and she smiled
tenderly, but her mother understood
and was glad.—[Lalia Mitchell.

ODDITIES FOR THE FAIR.

0]

AND THE PROPERTY OF THE PARTY O

Coveria dove cushion with delicate tinted sateen with sides. Beg haif a dozen old four-in-hand necktles from the boys, and use the long, narrow tie part which encircles the neck. Tack three of contrasting colors parallel from corner to corner, if the cushion be square. The other three tack from the opposite corners, crossing the first. Use bright crochet silk and tack like a bed comforter. Have the lining large enough to full on, and leave an edge four inches deep. Turn this up on the right riches deep. Turn this up on the right side and full, making a two-inch double ruffle. A cord is made by covering clothesline with sateen. Sew around the edge, covering the frayed ends of the neckties and making a heading for the ruffle. A round cushion may be made the same way.

A beauty in the shape of a screen is of the stiffest of buckram; new and stiff burlap is serviceable, but loses its shape sooner. Cut in a heart, fan, diamond, cross, or other form and make a dainty frame to hang from. Glue to board the cross, or othe form and make a dainty frame to hang from. Glue to board the same shape (very thin and unless of pretty wood cover both sides with buckram). To this paste photographs, not single pictures scattered over it irregularly or at methodical distances, but a half-dozen small ones clustered artistically in an upper corner or half way to the right, then another cluster where it will not look studied or stiff. Unmounted photographs from 2½ to 4xi can be cut in fantastic shapes and arranged with bizarre effect. An extra large photograph may stand alone in a conspicuous place. It the burlap shows rough ridges through the paper, cut a second shape of plain white paper to paste under the photograph, but don't mount them. Exquisite panels are ornamented with photographs cut in odd shapes. Gigantic vases, white, bronze and brown, with perfectly smooth surfaces, make handsome backgrounds for photographs. After gluing securely, varnish both picture and vase with very thin white glue like that used by mil-

At a county fair last year a window At a county fair last year a window trimmed in imitation of one in the de-signer's own home attracted much at-tention. She brought a few growing plants and cut flowers from her garden. plants and cut flowers from her garden. Darned-net curtains were draped from the sides, bearing their tag for a premium. They were gauzy and delicate, with the green ivy trailing over them, and won the prize. They were tied back with green silk cord and tassel. A small stand broadened the window stool to hold cut flowers in beautiful hand-painted vases, also bearing tags. As a result, Mrs L, received money on both cut flowers, and hand-painting. As a result, MIR L. received money on both cut flowers and hand-painting. Wild grasses, vines, and moss in shal-low glass dishes, with pond lilles, made a fairy dell. A potted try concealed by ferns climbed up the curtain, forming an artistic lambrequin and trailed part way down the other side.

way down the other side.

Fragile brackets at either side held flower pots painted to look like knots of wood, with part of the bark on. Meshes of love-in-a-tangle grew in these and drooped from the sides. A great pet of shamrock hung from an iron rod overhead, entirely filling the central space with its brave blossoms, while two big seashells and one half-cocoanut, the first with oxalis, or pink-blooming sheep sorrel, the other with forget-me-nots, were suspended from green cords, forming an angle above the shamrock. Mrs L. was voted money on the potted plants, although the shannock. Als L. was voted money on the potted plants, although they were the only ones there, and on the window complete, because it was the chief attraction of the room.

the chief attraction of the room.

A baby basket is seldom seen at a fair. Secure as curious shaped brushes, bottles, soap, etc. as can be found, and furnish all the homemade articles you can. Have numerous pockets, inside and out, with sponges, washras knit from cotton, a cushiom full of safety pins, perfumery sachet, little Jar of homemade and tested cold cream, hox of chafing powder from the druggist's and another of browned flour, rattle, rubber ring, both attached to the basket's handles by beby ribbon; cverything that child and mother can utilize at the follet. The maker can exercise much ingenuity on the receptacles, their shape, material and marking. This is sure to warrecognition, and the designer is apt to have some small friend waiting for it when it comes

licat. alt a from Tack from 1 the Use bed ugh four ring und s of for

n is nty the of ins, iries, red
alf
ter
iff.
ix4
artra
in

ap er. ner nit els ut te, th

ly. ry ll-

Wednesd and the transfer

hamlet of gray stone houses and barns, with roofs mostly of thatch. The church was low and gray like the houses. I looked into it, but I was early and its hollow sounding vacancy did not attract me.

The churchyard in the outdoor sunshine was more attractive. It was a curious little space, with its rank grass and nearly hidden mounds. Many of the graves were marked by simple wooden crosses and many more were not marked at all. Others had strange, artificial wreaths of beads hung on the stones. The work was often very claborate and of several colors. Some of the wreaths were 2 ft in diameter. In an oval space under glass, in the center, was a figure of Christ on the cross, or perhaps a bead willow tree drooping over a tomb. One grave was marked simply by a rusty iron cross about 9 ft high, bearing a figure of Christ, minus a head.

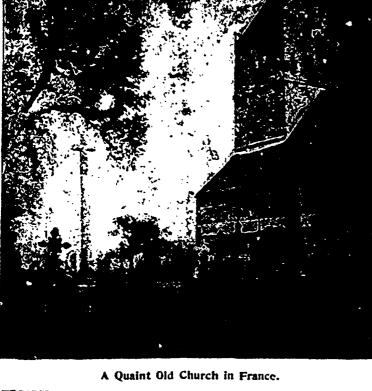
After lolitering a half hour about the churchyard and village I returned to the church. A priest with a shaven crown led the service, assisted by two lesser priests, and three little boys carried candles and books, picked up the chief priest's skiris at the proper time and adjusted them so he could sit down gracefully. They all wore gowns and one more gowned person seemed to be a sort of sexton.

The stone walls of the building were nearly 2 ft thick and the windows barred with iron. The low wooden pews were bare of cushions and unpainted, but the farther end of the room was gray with cloths and candles and images, while the rounded wooden ceiling was painted blue and spangled with white stars.

The men all sat up in front. As a rule they wore frocks of hine or of black and finer material, if they could afford them. The women and children sat in the rear and nearly all had on neat, while caps. The service was informed and there were parts for the priests parts sung by the men and parts sung by the men and parts sung by the women. They sang very well, although there was no instrument to lead them. At the points where they were to rise, some one near the altar rapped once with a cane; t

little village in Brittany, a farming hamlet of gray stone houses and barns.

with roofs mostly of thatch. The church was low and gray like the houses. I looked into it, but I was



A FRENCH COUNTRY CHURCH.

One Sunday I attended church at a little village in Brittany, a farming hamlet of gray stone houses and barns, with roofs mostly of thatch. The church was low and gray like the houses. I looked into it, but I was early and its hollow sounding vacancy did not attract me.

The churchyard in the outdoor sunshing was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was more attractive. It was a stone of the service was stone of a little over an thought of the service. So the service was the put the donation in her pocket. The rest be distributed among several children, and that kent them munching the rest of the service. Nothing was wasted.

After a session of a little over an thought of the service was distincted their way lei-surely to their homes in the village, and to scattered furms, perhaps two or three miles distant.—[Clifton Johnson.]

MONOTONY OF FARM LIFE. "The same old green fields and blue sky," mu, nurs the farmer's wife. "The same old stone streets and no sky, grumbles the city woman. "The same old shop and counter and thresome peo-ple to serve," laments the shop girl. The same old desk and ledger and

old snop and counter and tresome people to serve," laments the shop girl.
"The same old desk and ledger and endless, wearlsome figures," mourns the bookkeeper. "The same old type and ink and wretched, illegible manuscripts," grieves the printer. Monotony threatens every vocation in life, but there are several ways of escaping from it.

First, by cultivating health. A healthy woman enjoys life so much that she never notices whether it is monotonous or not, and she couldn't be discontented if she tried.

Secondly, by being busy. If we have carned all the bread we want, and all the butter and sugar we can spread on it, we might accumulate a little fund to defray the expenses of a little journey. By this means we might discover that the monotony of other people's lives is perhaps not quite so endurable as that of our own.

Thirdly, by modifying our characters. This is not much easier than altering the shape of a grindstone, but it can be dene. I' in the habit of making the worst of things, let us decide for one day to make the best of them. By making this resolution new every morning, we will soon put a different face on life.

Fourthly, by counting on your fingers the things that really interest you, not the things that really interest you, not the things that really interest you, not the things that really interest on earth in which one is truly and deeply interested is heaven. To find nothing at all is—is the place of departed sinful souls.

Fifthly, to leok at things, not merely to glance at them. A sick man con-

cry Monday, within a mile or two of you, there is a clothes line supporting cheap, flimsy towels, several muchdarned stockings, a scanty tablecloth and a hard-worked calico dress. That little woman is having a hard time. Some way to help her without hurting her feelings might possibly be found.

Seventhly, by inviting to your "monotonous" country home some tiredout city girl or cramped-up city child, who will go wild with delight over the familiar conditions that you find so deadly.

familiar conditions that you may adeadly.
Elightly, by humoring yourself a little. If you pine for bargain counters, arrange to spend a week or two in the city and haunt those places. A short period devoted to theaters and big libraries and street displays would probably benefit women who are tired of the country almost as much as fresh air and woods and streams benefit their city sisters.

city sisters.

The writer of this article has lived in more than one large city for several years, but she would not leave her country home to go back to the drudgery of office work for any consideration. Partly from failing health, partly from constant homesickness for country freedom and country air, she found her city work unbearably monotonous. IE. W.

MORE THAN MACHINES. We live within two miles of a manufacturing city of 20,000 inhabitants and run a milk farm of 40 cows, have a

facturing city of 20,000 inhabitants and run a milk farm of 40 cows, have a large amount of manure to handle and cut about 200 tons of hay. We keep two men all the time and during the busy season five or six. Although we have a large amount of hard work our men seem to like to work for us. We use them well; they eat at the same table and of the same food as the members of the family and are made to feel that they are a part of us, just as good as, we are.

We don't intend to hire any low, cheap help, but get the best we can and pay good wages, give them good food to cat, good beds to sleep on, good tools to use, good teams and plenty of work. If they have families we inquire after them, invite them to our home, sympathize with them in sickness and show our sympathy by material aid. They are generally poor and we make them many little presents which helps them and does not impoverish us. We have plenty of newspapers, among which is the F & H, and good, interesting books, to which the men have access.

If the help are unmarried they usual-

ly have their washing and mending done in the house, and their clothes are cared for just the same as the clothing of our immediate family. If sick they have the same care and attention paid them as would be paid to our own. If we have company the help are expected to put on clean clothes and sit at the table with the rest of us. We never interfere with the religion or politics of our help, but allow and encourage them to worship and vote as they please. They soon feel that they are somebody in the world, something more than a mere machine.

machine. machine.
At Christmas we always make them presents, selecting something usefu. We do not feel that it is lowering our dignity to allow our farm help to cat at the same table with us or to associate with them, but do know that such a course makes better men of them and more faithful and profitable help.—[A. L. R. Maine.



ANOTHER "MAN WITH THE HOE."

No premiums—no schemes—all your money's

worth of soap-quality. B. T. Babbitts Best Soap

For nearly half a century the standard, reliable, perfect laundry soap. No other soap so economical at any price. Selis and satisfies by merit only. Your full money's worth of soap. No need of premiums and eatch-penny schemes which the soap-buyer pays for. No premium is free—the soap-buyer pays twice its cost, and, oh, how cheap and worthless is premium stuff anyway! When you want soap, get your money's worth of soap, and when you want knick-knacks and jewelry. Buy them—you'll save money,—work,—and clothes.

You're sure of Babbitt's Soap B. T. Babbitt, New York

Fifthly, to look at things, not merely to glance at them. A sick man confined for a year to one room wrote an interesting book on the things he saw in his apartment, and the thoughts suggested by them. A prisoner condomned to solitary existence in a stone cell saved his aparty by observing and tending a little green weed that brew between two of the stones.

Sixthly, by helping someone clar. Ev-

\$50 a Month Easy! We can given you something to do that make you see a month without any tro-right around your own home. A Big Mo Maker. Send your name and address, how. Ficase investigate. Write to Gay.

ORANGE JUDD CO. 'Agenta' Dec 88 Lafayette Place, Now York. **◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆**

01



A SENSIBLE HUSBAND.

l lights the fire fer her—I cooks the break-fast, too.
I dress the little children—like a husban' orter do!
In fact, I'm doin' jest so much 'twould take a book to tell.
An' that's why me an' Mary air a-gittin' 'long so well!

I never has a word to say-she does the talkin'-all'

talkin'-all'

She starts up in the springtime, an' she's lecturin' till fall;

An' then she makes a winter start—as true as truth kin tell;

An' that's why me an' Mary air a-gittin' long so well!

I sometimes feel like breakin' things, or slammin' of a door;
But I ketch her lookin' at me, an' I'm humble,as before!
She knows I ain't a-goin' to frown—to quarrel, or re-bel,
An' that's why me an' Mary air a-gittin' long so well.

But sometimes, when I has a chance. I gets off to myself—
After leavin' my religion on a corner of the shelf—

cusses, sorter privately!—The woods kin never tell— An'

that's why me an' Mary air a-gittin' long so well!
[Atlanta Constitution.

AMONG OURSELVES

Patience-Silent will be compelled to



cultivate the valuable art of exercising patience with her chil-dren. That constant "don,te, and dails, with will become a fixed habit. Children nat-urally have a happy disposition, and a are in good they are in good health, they are playful and full of life like

ful and full of life like
young colts in a pasture. A nervous, tired
mother is impatient
with them, scolds and
frets at their pranks until the children
grow morose, and finally go forth to
seek a more congenial atmosphere.
Then the mother has lost her influence.
Then the mother has lost her influence.
Then the mother has lost her influence,
should be a good story teller a mother
should tell true stories that she has
read, stories in history and fiction, with
good morals and in telling them she
may impress the young minds with
good. I would suggest that she read
books suited to their age, and then
have them tell her a story about what
she has been reading, thereby cultivating their memory, the one thing that
is so neglected among the young.—
[Nelle.]

IPine Bur.

The Loom of Time—

"Thus busily at the loom of time I ply
And weav'st the garment that
Thou, God, see'st me by
So busy are we in thinking the thought, speaking the word or acting the deed
that we forget that thoughts, words and
deeds make up the fabric of the garments of life; words and acts, the outer
garment, thoughts, the inner garment,
IJean of Jersey.

A Happy Song—I have something to
tell the young folks, it is this; In speaking at a person's faults, pray don't forget your own. Bad Boy, your sweetheart ought to have enough confidence
in you to tell you the reason she hesitales. Her mather ought not to object
if the saughter is of age. The happlest

Sympathy-When I read the Sympathy—When I read the many letters of our deceased friend, Shiftless simpson (Roscoe Young), in F & H Council, I often wished that I could see him and have a pleasant chat in regard to our ever-welcome paper, but as this cannot now be, I will repeat the sentiment of many others. He suffered so we could not wish to call him back, but we should all strive to so live that we may join him and the rest of the Councilors in the beautiful cits above. Councilors in the beautiful city above.

Mrs Young, accept my sympaths, for we are all truly sorry and will miss your son in the Council because he wrote such sensible letters, Life is made up of meetings and partings and there is "no rose without its thern, no life without its shadow."—[Cinderella.

is all right, likewise Busy Wife.—[Iowa Rose.

I think it would be nice to see the countenances of the members of the Council. I hope they don't look like that picture at the head of the first column on Page 360. Pat I' Irish, it your choice is farming that is the best for you, but if you like books and expect to make your brain earn your living, you had better take the chance and go to college. We will all miss Shiftless Simpson's letters. His mother has may deepest sympathy.—[Only Me.

To Mary L. Young, let me express my deepest sympathy for her sad loss. I am only a young girl, but I think I can feel for her and I am sure that all of the F & H Councilors will regret the loss of so active a member as her son. I quite agree with you Grace, in thinking that we should not worry about the future. That is not in our hands, so what can we do to change it? All our worry and trouble can change nothing and on'y make us miserable. What a lovely idea Mrs D. R. Clark, about the p'ciures, you know. One of the Boys, I do feel sincerely sorry for any one who has to work on a farm, and detest the life in the winter. I ride a wheel and row, so the summer is endurable at least.—[White Pansy No 1.

What a shadow it cast over the bright page of the Council to read of

Pansy No 1.

What a shadow it cast over the bright page of the Council to read of the death of our friend, Shiftiess Simpson. Mary L. Young, only those who have passed through the terrible ordeal of seeing death enter heir homes and carry off a loved one can really sympathize with you. Only a short month ago the dark wings of Azrael overshadowed our home and he carried away our only wee lamb and I ceho your cry I am so lonesome. Perhaps this is one of God's ways to make us strive harder to win heaven that we may once again meet our loved ones. may once again meet our loved oncs. [Pine Bur.

get your own. Had Hoy. your sweethenrt ought to have enough confidence
in you to tell you the reason she hesitates. Her mother ought not to object
if the saughter is of age. The happlest
unions are when they choose their own
mates. And don't let your sweetheart
have her own way entirely unless you
intend her to be boss after marriage.
Now, my dear friends, I have decided
to live ar old maid and sing the happy
song I heard not long ago, this is a
part of it: No husband's frown, No
haby's gown, My heart is light and free.
I'll sing my song the whole day long,
an old maid's life for me. Let us hear
from Woman Hater. I agree with him
a little, for it is enough to disgust one
the way some girls talk and giggle. He
is wise to read goed books. Henceforth
I am going to follow his example, even
if he is a woman hater.—[Mermaid.

After Many Days-After an absence of nearly two years I return to find our old Table Talk changed to F & H Coun-Can sympathize with Roscoe Young's mother in her sorrow, for death has entered my door and taken my mothers. He kind to them, for when they are gone you will never know a mother's love again. Pat I Irish, you are a very sensible boy. My advice to you would be to stay on the farm. Jack Silster, please tell something about Texas. I am shoot we can hear from these tell something about Texas. I see the sterner sex, but which of the two deceit or conceit, is the less tell something about Texas. I see to be desired? I wish you could all be in our county to take a trip on the Switch-back. I magine a trip of 18 miles by gravity, through farms and forests, coal fields and glens, over a track that is itself almost covered with

I must saddle my horse and ride on. weeds and grass. Think how delightful so good-by.—[Beauty. I must saddie my horse and ride on. So good-by.—[Reauty.

Mrs Young, you indeed have my sympathy, but "He moves in a mysterious way His wonders to perform," and we must trust him for the best. Pat I' Irish, an education is the one thing we can always retain. Solomon said it is more precious than fine jewels. Blonder is all right, likewise Busy Wife.—[Iowa Rose.

I think it would be nice to see the countenances of the members of the Council. I hope they don't look like that picture at the head of the first column on Page 360. Pat I' Irish, it your chiefe is farming that is the hear

Not so Bad-The Councilors should not be too hard on Woman Hater. I



and know that he is not en-tirely to blame. He is an ar-

tirely to blame. He is an artist, yet has no love for beauty, hence his hatred of woman; he is a painter, still prefers no color; but with all his faults I like him still, for he is a prohibitionist, and is not afraid to cast a builot that is for an influence against the liquor traffic! Young ladies, can't you in some way convert this man who never found the association of your sex agreeable?—[The Sentimentalist.

Change of Subject-Charlie's Wife, if Change of Subject—Charlie's Wife, if I could only win a girl like you how happy I would be. God bless you. May you soon obtain a cozy home of your own and may your days be long and happy ones therein. I fear the majority of women are not as faithful and loyal as they should be to their husbands. Perhaps it would be more interesting if we talked less of our love affairs and more of books and their authors. My favorite is that grand novel Les Mise ables by Victor Hugo; it is in my opinion the king of books. Let us hear from the Councilors on the subject of favorite novels.—[Gordon Ellot.

"Home" as Well as "Farm"-What a rest when, weary, we sit down a mo-ment and take up F & H, turn to Fruits and Flowers and read how others have falled or prospered. Perhaps we see how someone has arranged the plants in the window, and go and do likewise, and as we go about our work again, note the improvement, and we have almost forgotien how tired we were. It is only a short time since I came across an old F & H that told all about setting rose cuttings. Many times have I mourned because I could not afford to buy rose bushes. Now we will try and have them without. Another thing which I saw was how to grow grapevines from seed. The patterns are so cheap, and there are so many new ways of making over! The price of this paper is small compared to that of others, when we think of its real worth in the home. A wife and mother who can and does have the care of home and chlihow someone has arranged the plants does have the care of home and children, who is left to the training of a

Suit Cloth Samples Free.

If you will cut this notice out and mail to the undersigned, we will send you free by return mail, postpaid, a booklet containing cloth samples of our entire line of Ron's Custom Talloring; suits, pants, overcosts, ulaters and fancy vestings; also a complete line of cloth samples of Men's Waterproof Rain Coats or Mackintoshes.

Men's suits to measure from fine winter weight foreign and domestic Causimerrs, Worsteds, Cheviots, etc., at \$6.00 and upwards (a big line at \$6.00 to \$10.00); pants to measure, \$1.75 and upwards; a big line of heavy overcoatings at \$3.50 to \$10.00 for made-to-measure overcoate and ulaters. The book centains is addition to a big line of cloth samples fashion figures, fashion plates, order blanks, easy rules for acli-measurement, fully explains our liberal "pay after received subject to examination" terms of making and shipping. Address SEAMS, EXERUCE & Co., Chicago, ill.

HE UNIQUE CORNISH PLAN Wawill shing Plano - Organ anywhere to anybody upo the distinct under a unding, that if is not entirely if it presented any many trial Overa Quarter of a Millian PIANOS \$155 Satisfica All Intest Musical Attachments. Customers attest the honorty of this modern method or plano selling. We Warrant our Planos and Pegane for 25 Years, Backof that Warranty as a business worth over a million dellars. The warrant our Souvenir Catalogue for 1800 FREE The Cornish Patent Musical Attachment for Plance, Imitates ACCU-RATELY Harp, Hanjo, Guitar, Ether, Mandelin, etc., while the famous pateut Combination Multipas Reed Action make the CORNISH OFFICE UF e - reproduce the po A prompt response to this at-vertisement will secure a DIS-COUNT of \$10 on the list price in our 1800 Catalogue on any CORNINE WHEAT or \$20 on the list wire of a Cornish Plane or Organ Fr ences: Your bank

Cornish & Co., Washington, N. J. INVITISHED SO YE

organs \$25 Out or Buy Payments.

Can Readily Make \$18 to \$25 on versable and if you really want to make the with he stempe MRS. MARY R. WHERLER. on Mr. Chicago, Ill.

THOTO-ENGRAVING

we have unrivalled facilities by reason of skilled weakmen, first-class materialisand newest machinery for producing excellent work in both these departments at very low prices.

Special attention given to making pictures, either halitones or line drawings, of live stock, poultry, farm buildings, implements, etc., from photographs or drawings, for our subscribers and advertisers, or drawings, for use of the control of the fast presses of daily newspapers. Artistic designs and illustrations for catalogues, circulars, etc. Our electrotyping department is specially equipped for quick work, and can furnish electron in a few hours, when necessary.

Address Photo-Engraving or Electrotyping Dopt., Photos Pub. Co., Springfield, Mass.

Please mention FARM AND HOME when writing to advertisers.



A 12

• Ξ AN

ihipa Irgan m

atter AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN T

TIT .

lian

mt

Ħ m 4.0 180

· 0]

Farm and Home Council.

large family, one who is thought competent to do this, and who is expected to do it, surely is capable to share in the husband's pocketbook, and a chance of using a part of its contents. She dreads to ask her husband, the father of her children, for the money to get the needed articles! Dreads to ask her husband, the father of her children, for the money to get the needed articles! Dreads to ask for what is hers by right! When a last she finds courage to speak to him, his answer is, "I can't we what I have not got." "But the Caldren have got to have clothes if they go to school," the mother pleads, "and they must go." His answer is the same, as he leaves her so discouraged she knows not what to do. But at the same time we notice he gets new tools, wagons and things needed to carry on his work. Oh, how I wish I could say something to ocheer and help those tired, discouraged and unhappy women! My little girls wanied to get up a club for this paper. They took a copy and called on a lady whose home shows everything money can buy. After looking it over she seemed very well pleased with it till she saw "Farm" on it, when she handed it back, saying, "It is only a farmers' paper. I don't want it." I could not help laugh, and am waiting, anxious to see this woman and show her what dur F & H really is, and I fed quite sure I shall have her name to send for the paper.—IJ. F. L. C.

Obstacles—I dislike the farm because, first, no matter how long you work there

Obstacles-I dislike the farm because, first, no matter how long you work there



is rare chance for higher wages: second, a poor chance of getting an edu-

chance of getting an education and if you do get one you are behind the city scholars. I find myself six years in the rear; third, no time or money to go anywhere or to visit your own relatives. And if you do go you are so far behind city people you feel miserable and cannot enjoy yourself; fourth, too many hours of labor and not enough society. What inducement is there for a young person to work all the time in the same place, doing the same thing over and over again and never seeing anybody besides the family? Of course these obstacles can all be overcome, but as it is they are not.—[Hopeful.

Sour Grapes—I am a country school teacher, having taught only one session. I enjoy reading F & H very much, especially the Council. I have never felt competent to discuss any subject with its writers until I saw in the July issue a short letter from one who seemed so knowing in other things besides telegraphy. Well, Baby Boy, did you really find enough spare time from your occupation to write about the silly excatures which girls are? I am here to tell you right now that as small a thing as a mouse may make us "silly creatures" jump upon a chair or table, when a man like you could not begin to do such a thing, even if you do receive and send various messages. And now, Baby Boy, please do not pass any Sour Grapes-I am a country school

bit irritated at a little child. If one will just consider that a child's every fault is the result of heredity, environment or false training, his impatience cannot help but quickly vanish. I must admit, though, that I sometimes feel thoroughly angry with some persons who have charge of certain of my pupils. Some of the children might make splendid men and women if it were, not for the degrading influences in their homes. This is a question upon which I feel very deeply. I am an enthusiastic music lover, but have not been where I could secure a good teacher. I could secure a good teacher. I could secure a good feecher. I could secure a good f

Self-toning a Failure-Toots, I agree with you. notwithstanding that I am a boy. I do not believe that a boy should kiss a girl unless she gives her consent. I never kissed a girl in my life, unless kiss a girl unless she gives her consent. I never kissed a girl in my life, unless she did give her consent, but when I was leaving nome once, a girl ran out and kissed me, and I didn't give her my consent, but I didn't care, either. I came down here three years ago, from northern Indiana. The folks down here call all northern people "Yankees." Camerak, I used to take a good many pictures, and have now about 100 southern views. When I began I used a good deal of ferro prusslate (blue print) paper, and it did very well, but I wanted something nicer so I got aristotype paper and liked it very well. I made experiments with some self-toning paper, the coating of which is combined with the silver for printing and the gold for toning. The only process necessary after printing is a short immersion in a hypo fixing bath. I did not make a success of it. Minnie Chase, I am working in a printing office this summer and can set up three sticks of type in an hour.—[Yankee Poodle, Mississippl.

Early Rising-I think carly rising plays an important part in household your occupation to write about the silly greatures which girls are? I um here to tell you right now that as small a thing as a mouse may make us "silly creatures" jump upon a chair or table, when a man like you could not begin to do such a thing, even if you do receive and send various messages. And now, Baby Boy, please do not pass any more such remarks on those who jump from a mouse and not a man. I've no doubt but some of them have given you the "G B," which caused you to express such a free quinlon.—[Milan Gypsy Girl.

Home Influences—I have been teaching for seven years and enjoy my work very much. There is nothing that gives me so much pleasure as being with little children and I can truthfully say I very seldom feel the least bit irritated at a little child. If one will just consider that a child's every fault is the result of heredity, environment or false training, his impatience cannot help but quickly vanish. I must admit, though, that I sometimes feel thoroughly angry with some persons who have charge of certain of my pupils. Some of the children might

**Term **The home is keep of the children might in the weak as possible and good stovewood is a great help toward having them on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the farm the false on the farm of the children might make splendid men 'and women it'it to the farm the false on the farm the false on the farm the false on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the false on the false on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the false on the false on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the false on the false on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the false on the false on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the false on the false on time.—[Farmers' Daughtmanke splendid men 'and women it'it to the false on the work. I do not mean getting up hours before day, cating supper in the night,

place. It takes but a short time for the name of the farm and its owner to become associated in the mind of the public. Head your letters with the name chosen for your place, directly below the town. Ask your correspondents to ndd it to the address upon the envelope. Always use the title of your farm in connection with your news item in the local paper. Thus, without any undo marade, the thought is put into the reader's mind. If you are a granger, let the lecturer know the name and she can easily make it known without any apparent effort through her paper. The reader's mind. If you are a granger, let the lecturer know the name and she can easily make it known without any apparent effort through her paper. The master also may introduce it by speaking of Brother So-and-So of Hillside farm. The expense of a lettered sign to be placed upon the buildings in the most appropriate place is very slight. When we decided upon the name of our little farm, we placed a photograph of the buildings in the hands of a first-class printer with instructions to make an engraving, or halftone, from the photograph, and print this upon a quantity of writing paper. On the left hand of the envelope, the engraving of a small red gate has this in white letters: "Red Gate Farm." The halftone costs about \$2\$ and can be used to print from for many years. Every gate upon our farm is painted red, even the small slatted ones at the shed doors to keep out the chickens. The huge red tail of the wind mill upon the barn tower, is

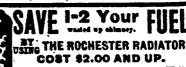
ornamented in big white letters "Red Gate Farm;" the weathervane upon the turret is a small red fron gate.

A'set of stencil letters, ink and brush, are always ready for use in marking boxes, barrels, butter tubs, anything that is grown upon the farm and sent to market, with the title of the farm. I trust the following list may help the readers of Farm and Home: Fair Oaks, Glenmere, Ingleside, Maplewood, Glenamo, Rosedale, Pleasant View, Eagle's Nest, Grassmere, Rest Cottage, Sunny Mead, Grand View, Glenwood, Cozy Nook, Hermitage, Idlewild, Sunny Croft, Ivanhoe, Oriole Nest, Broadview, Bowlder Croft or Farm, Birchdale, Sunny Meadow, Sunshine Cottage, Busy Beehive, Idle Hours, Riverside, Englewood, Graceland, Edgewater, Elmhurst, Woodbine Cuttage, Elmwood, Highland Home, Ravenswood, Hilside Farm, Norwood, -[Sarah M. Balley.

Hope for the Blind-W. O. Coffee. M D. of Des Moines, Ia, has discovered a new home treatment by which ered a new home treatment by which he cures cataracts, all diseases of the eye and blindness by the use of mild medicines and without the use of the knife. Thirteen thousand sufferers in all parts of the country were cured last year by his wonderful treatment. Read his announcement on Page 16 of this issue.

ARN AMORRIS CHUIR BAKERSTEÄSER

Until sales are wibe, ; or sell so ibs. for Couch; so ibs. Bookcase; 18 ibs. Willow Rocker; 18 ibs. Silver watch or Tee Set; 10 ibs. up. Gold Watch or Dinner Set; 100 ibs. up. wards for Ladics' or Gents' Bi-cycles. Ex. prepaid. Write for Cata.



Money refunded if not satisfactory. Write or bookiet on economy in heating homes

ROCHESTER RADIATOR CO. 3 Furnace Street. Rochester, N. Y

ELEGRAPHY Stenography. Type Writing, Book keeping, taught by mail or personally at EASTMAN. Positions secured. Catalogue free. C. C. GAINES, Box 833, Poughkeepsie, N. T.

LEARN TELEGRAPHY For Railroad and Commercial Service.
Typewriting Course Free. Paying positions guaranteed. Catalogue Free. Fisk Telegraph School, Lebanon, Pa.

PILES

If you are troubled with piles in any form write for a FREE sample box of Infallible Pile Tablets, and you will idea the act that you real this additional TABLET CO., Marshall, Michigan.

WATCHES, Jewelry, Speciacles and Novelties at V lowest wholesale prices. Ill. Catalog sent FREE B G. Uher & Co., 121 Dearliorn St., Chicago, Ill.

COE'S ECZEMA CURE \$1 at druggists, 23c size of m

10,000 ANKYREY ANXIOUNTO GET MARRIED PATTER & Addressed FRYK. The PILOT, X, Stalles & Chicago.

PILES Instant relief, final cure in a few class and never returns; no purge no salve, no suppository. Remedy

and Lieuer Habit cured in 10 to 20 days. Ne pay till cured. Write DR. LL. STEPHENS CO., Dept. A 5, Lebauen, Ohie.

The New York Tribune

The LEADING NATIONAL REPUBLICAN NEWSPAPER, thoroughly up to date, and always a stanch advocate and supporter of Republican principles, will contain the most reliable news of

THE PRESIDENTIAL CAMPAIGN

Including discussions, correspondence and speeches of the ablest political leaders, brilliant editorials, reports from all sections of the land showing progress of the work, etc., etc., and will commend itself to the careful perusal of every thoughtful, intelligent voter who has the true interests of his country at heart.

The Tri-Weskiy Tribune Tublished Monand Priday, contains all important foreign war
and other cable naws which appears in THE
DAILY TRIBUNE of same date, also Domesile and Foreign Correspondence, short Stories,
Elegant Half-tone Illustrations, Humerous
Items, Industrial Information, Fashion Notes,
Agricultural Matters and Comprehensive and
Reliable Financial and Market Reports.

The Weekly Tribune day, contained the most important general news of THE DALY TRIBUNE up to hour of going to pross has entertaining reading for every member of the family, old and young. Market Reports which are accepted as authority by farmers and country inscribants, and is clean, up to date, interesting and instructive.

We will send the Tri-Weekly Tribune (regular price \$1.50 per year) and Farm and Home until March 1, 1901, for

We will send the Weekly Tribune (regular price \$1 per year) and Farm and Home until March 1, 1901, for

Only 60 Cents.

Only 35 Cents.

NOTE.—Present subscribers taking advantage of this offer will have their subscription extended six months. Agents wanted everywhere to solicit subscriptions to this combination. Terms and particulars on application. Address all orders to

FARM AND HOME, Springfield, Mass. or Chicago, III.

Young America.

BEE TACTICS.

The little honey bee works so hard to give pleasure to man that its life has ever a peculiar interest. Although it is a treat to find a bee tree, yet it is not quite fair for boys to leave no honey for the little insects who have spent so many weary hours collecting it.

Bees possess an instinct that leads Bees possess an instinct that leads them to discriminate between their friends and those who simply care for their honey. They show their likes and dislikes ver, plainly, too. There was once a Quaker beekeeper in whom the bees recognized a real friend. Each morning he took his Bibbe and hymn book, and conducted devotional exercises among his hives. When he began to read, the bees would gather round him, crawl over his hands, garments and chair, making a low, humming sound until the close of the reading and singing; but when he prayed every bee

and chair, making a low, numming sound until the close of the reading and singing; but when he prayed every bee was silent. When he rose to his feet was their signal of dismissal.
"Often before I begin to read," he said, "I talk to them and they apparently listen very respectfully. They feel that I love them, and are responsive with a peculiar intelligence."

One day a swarm of wild bees crossed the Quaker's pith. They formed in a large pack on the ground, the queen bee in the center and the others in the order of their rank. As he watched them they suddenly wheeled and rounded themselves into a ball on his arm. Though somewhat startled, he kept perfectly still. Without so much as one feetly still. Without so much as one harming him, they lifted wing and were speedily gone.

An old lady once attempted to keep bees. She selected a choice variety, one swarm of which cost \$40. They did not thrive well under her care and soon not thrive well under her care and soon all died. As she was arranging her second purchase in hives, with one accord they rushed upon her and would have stung her to death but for the arrival of her son, who threw water over her until the bees retreated.

The bumble bee has been driven out from many localities by his enemy, the borer. This bee resembles the bumble but is longer and parrower holded.

the borer. This bee resembles the bumble, but is longer and narrower bodied, and never makes honey. He has proved himself the farmer's enemy by selecting soft spots in his buildings into which he bores a large, deep hole where he makes his nest. He works with a proboscis-like feeler and no gimet can probe the makes he was the selection of the business of the selection of the business of the busi proboscis-like feeler and no gimlet can make it rounder or smoother. As he probes the soft wood one can see the bits of shavings roll up, which he instantly whirs off with his wings. He is very industrious at this, his sole trade, apparently, and unless one is watchful the porch will be thickly perforated.—IZ. Irene Davis,

FROM OUR YOUNG AMERICANS.

Deutsch Sprechen?-Imagine a tall Deutsch Sprechen?—Imagine a tall girl with light hair aidleyes making a most profound how to you all. We have had a lengthy session devoted to love affairs and though I've no doubt they are intensely interesting to the parties concerned can we not have something of a different nature? Either poem studies or book reviews would be profitable. I have just finished When Knighthood Was in Flower, and will give a brief sketch if it should be pleasing to the Council. I like good books, but am not such a bookworm but what I can enjoy social pleasures also. As I I can enjoy social pleasures also. As I have one requisite for the appearance of the newspaper old maid, glasses. I of the newspaper out main, glasses, a m looking for another, some nice kittens. How many of the Councilors can speak German? Sprechen sie aus? After this year, my intention is to teach, as having taught one term, I find it quite to my liking. With a hearty handshake all around, Auf wiederschen. [Githel.

"Buttons"-In one of the best residences in Cas lived a black spaniel by the name of Buttons, Aithough unusually intelligent, he had some weak usually intelligent, he had some weak points. A tendency to an propriate what did not belong to him belong the most prominent. At three different times he brought in some very fine articles of baby's clothing which necessitated quite a search 1, ascertain the owner. Buttons readily realized that his efforts were not appreciated, so he decided to give up the clothing business. One morning his master was greatly

surprised to hear chickens cackling un-der his window. At the rear of the house was a bricked-up basement en-trance, and in this were about a dozen half-grown chickens, while on the edge half-grown chickens, while on the edge of the wall sat Buttons, proudly guarding his catch, evidently expecting high praise for his exploit. The lack of praise for his exploit. The lack of praise hurt his pride most severely, for he had brought them about a couple of blocks and not injured one of them. When the chickens were returned to their owner, Buttons's disappointment was more than he could bear, and crawling into his kennel he spent most of the day there, actually shedding tears and refusing offers of comfort or food. As there was some question where he would end, it was thought best to remove him from the temptatiens of city life, so he was transported to a quiet country home, where he passed the balance of his days, a happy and honest dog.—[M. G. Jenison.

Took Back—I see that Water Lily is

Look Back-I see that Water Lily is 'getting it" from all corners, but I be-"getting it" from all corners, but I be-lieve if we all would look back on our lives that we would see many foolish things. Jay Hawker, I am glad to know that you like girls part of the time, and hope you like those of your age with red hair. Phoebe, I know how to sympathize with your laugh, for mine is always getting me into all sorts of trouble.—[Miss Fun.

QUEEN VICTORIA.

Her eyes, once they sparkled like dia-monds; Her teeth like ivor did shine;

As she charmed the nobles of Ed With her delicate speech so fine.

But now she has grown old and feeble, And her beauty has failed away. But her noble deeds will be remembered For many and many a day. GEORGE W. SAVAGE, Indian Territory.

Great Helpers—I live on a farm of 131 1-3 acres, and think I like country better than city. My father has taken F & H 14 years and couldn't be without it. We keep four cows and I help to milk them. This year I drove the horse on the hayfork for about 45 loads. I help my mother pick huckleberries and raspberries. I have two sisters, three brothers and one brother-in-law, [Miss Avis E. Wellman, Box 21, Minard, Mich. Mich.

Papa takes the dear old F & H and Papa takes the dear old F & H and says it's the best agricultural paper in circulation on general principles for farmers, so you see I am a farmer girl. I have been going to school three years and am in fifth grade. I like history best at school and F & H with papa. I help with farm work, raise poultry, see after the garden and keep house for papa, as he has no housekeeper when my sister is off at school.—[Buenavista Miss (Eleven).

Lulu and Wave-I have a little puppy named Rover. He is very fond of red, and will go and dip his nose and of red, and will go and dip his hose and feet in the red paint. When it gets off, he goes again. He likes to get my red cap and carry it off. I have two sisters, named Luiu and Wave. Lulu is 23 and Wave is 17. Lulu used to go to college at Kentucky, and Wave goes to Edinboro school.—[Fern McCray (Eleven), Pennsylvanis. Pennsylvania.

The Schoolroom-Maine Boy. I. like you, am a granger and like it very much. I am happy now, for I have a

you, am a granger and take it very much. I am happy now, for I have a common school diploma which will allow me to go to any high school in the caunty without paying tuition.—[Persimmons (Fifteen), Ohio.

I am in the eighth grade. I think there are some quite silly letters in F & II. I would rather go to school than talk about such foolish things. I presume you are wondering who I am and where I am from. Some boys and rirls like city life the best, but I like the country the best.—[A Sensible Girl (Fourteen).

I am a high school graduate and I have taught two terms and am only I' years old. I love to fish and swim. One time I was in bathing when a party of girls were heat riding; their boat tipped over and three were drowned before help could reach them.—[Nebraska Farmer.

Thanking F & H for their interest, I make my bow of exit—[L. C. Plummer, Fort Fairfield, Mc.

Bad Boy, I should consider the first



"Birdies in their little nests agree.
And so should we."
Said Edith Fee.
"For it's not polite to scratch and bite."

"I'm no bird, it's true, nor yet are you,
But I'll agree."
Said Tommy Fee.
"When you give my apple back to me."
MARGARET LEE.

OUR PUZZLE CONTEST.

SECOND INSTALLMENT FOR SEPTEMBER. A Fish Story—Name the 10 kinds of caught by the puzzle editor on his va-

tion.

1. a town in Fla; 2, a town in N M; 3, a town in N C; 4, a town in Ala; 5, a town Va; 6, a town in Ala; a town in Mo; 10, a

town in N. C., a. a. v., y. a. town in Ala; S. a. town in Ala, S. a. town in Ala, S. a. town in Mo; 10, a. town in Ala.

If you name any town in the state mentioned that is the name of a fish, whether it is the one thought of by the editor or not, it will be allowed.

Just a little oil on the engine at the right time may mean the difference between life and death to the passengers and crew. What oil is to the friction of the delicate parts of the engine. The Pieces's delicate parts of the engine, Dr. Pierce's Golden Medical Discovery is to the deli-

cate organs of the body. It eases their labor, pre-vents the loss of power and waste of energy caused by friction. Many a man who was all run down, whose limbs ached when he walked, whose back ached when he laid down, who breathed with difficulty, and cough-ed constantly, has been perfectly cured by the use of Doctor Pierce's Golden Medical Discovery. It purities the blood, strengthens the stomach and beals

weak lungs.
Accept no substitute for "Golden Medical Discovery," nor any med-icine called "just

icine called "just as good" by the dealer.

Mr. Chas. Hunwick, of Lenox, Macomb Co., Mich., writes: "I have sever felt better is my life than I do now. I have taken Dr. Pierce's Golden Medical Discovery right along. I can now walk quite well with a cane, and hope to throw even that away before long, and as I have had to use crutches for nearly two years. I think I am doing fise. I do not cough now and I can sleep like a school boy. You must know that I have been treated in two hospitals and by three doctors' breiden, and received no henedit; so I think your medicine the only medicine for me."

Dr. Pierce's Medical Adviser in paper cover, is sent free on receipt of 21 one-

cover, is sent free on receipt of 21 one-cent stamps to pay expense of mailing only. Address Dr. B. V. Pierce, Buf-alo, N. Y.

TERRIFF'S PERFECT WASHER SENT ON TRIAL at whole price if not eatisfactory money ease. Does not wear out the clothes. Economises easy, labor and time. ACRNTS WANTED. Exclusive territory given. Big money made. For terms and prices Address.

Portland Mfg. Co. Box 3. Portland, Mic *EYESIGHT* RESTORED

Failing Eyesight, Cataracts or Blinda without the use of the knife.

Dr W O, Coffee, the noted eye specialist of Des Moines, Iowa, has perfected a mild treatment by which anyone suffering from failing eyesight, cataracts, hindness or any disease of



hindness or any disease of the eyes can cure themselves at home. Judge George Edmunds, a leading attorney of Carthage, Ills., 72 years old, was cured of catanacts on hoth eyes. Mrs. Lecinda Hiammond, Aurora, Neb., 77 years old, had catanacts on hoth eyes and Pr. Coffee's remedies restored her to per. W. O. Coffee. Mrs. Lecinda 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. COFFEE, M. D.,811 Good Slock, Des Misiase, is.

W. O. COFFEE, M. D., 811 Good Block, Des Moisse, In

\$500 A DAY EASY FOR ALL WILLING TO WO

RYA YEAR SURE **\$90000** AM OOLLED TO

EARN MORE MONEY REE SCHOLARS el of Corn

Canning and Preserving

By Mrs S. T. Rorer. This work is the result of careful practice in teaching beginners how to can and preserve fruits and vegetables, also the best methods of making marmalades, fruit butter and jellies, drying fruits and making syrups, and catsups, pickling, flavored vinegars, drying herbs, etc. Paper, postpaid, 40c.
Catalog From of this and many other sufficients of this and many other sufficients.

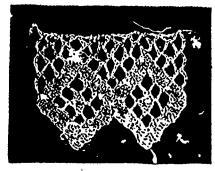
THE RESERVE OF THE PARTY OF THE

SINGLE-DIAMOND LACE.

Ch 25, turn.

1st row—Shell of 6 t c in 3d st from needle, d c in 5th st, ch 5, d c in 10th st, ch 5, d c in 15th st, ch 5, d c in 20th

st, ch 5, d c in last el.
2d row— Ch 5, d c in top of loop, re-



peat twice, * shell in d c, d c in center of sh, * repeat oncc.

2d row—Sh, loop, sh, 2 loops. All shells and loops are made in the same manner as those described.

4th row—Two loops, sh, 2 loops, sh.
5th row—D c in each of 1st 4 st of sh, then sh, loop, sh, loop, sh, loop.
6th row—Two loops, sh, 2 loops, sh.
7th row—Four d c in 1st 4 t c of sh, sh, loop, sh, 2 loops, sh, 2 loops, sh.

sh, loop, sh. 2 loops.
Sth row—Three loops, 2 sh.
9th row—Four d c in 4 t c, sh, 3 loops.
[May Myrtle Cook.

FLOWER DOILY.

The dolly has a center 2½ in in diameter; around this work a row of s c,

using a sharp pointed hook.

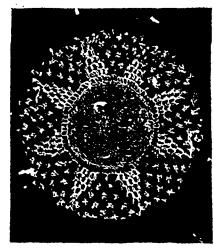
2d row—Three ch for 1st d c, 1 d c, ch, making 80 spaces of 1 ch in the

row.

3d row-* Three ch for 1st d c, 1 d c, 1 ch, 2 d c, 2 knot st, 1 s c in 3d space of 1 ch, 2 knot st, repeat from *, making 8 groups of d c's.

Each row the same, only increase the standard or the same of the same

Each row the same, only increase knot st and decrease d.c, until last row has only 2 d.c, bringing the group to a point. Larger sizes have a wider edge. On a 4 in center group of d.c begins with 2 d.c, 1 ch, repeated 7 times and



the 6 in begins with 2 d c, 1 ch, repeated 9 times. Finish as directed for small size. If desired, they can be embroidered with a pretty spray of flowers.— [Lilla.

FOR A HANDKERCHIEF.

With 150 linen thread and a pair of fine needles, cast on 3 st.

1st row— K 1, 0, k 1, 0, k 1.

1st row— K. 1, 0, K. 1, 0, K. 1.
2d and all even rows, plain.
3d row—K. 2, c, k. 1, o, k. 2.
5th row—K. 2, o, k. 3, o, k. 2.
7th row—K. 2, o, k. 5, o, k. 2.
9th row—K. 2, o, k. 7, o, k. 2.
11th row—K. 2, o, k. 1, o, n, k. 3, n, o,

1. o, k 2. 18th row—IC 2, o, k 3, o, n, k 1, n, o, k

3, 10, k 2, 15th row—K 2, 0, k 5, 0, k 3 tog, 0, k

5, k 2. 17th row-K 2. o, k 1. o, k 4, n, o, k 1, o, n, k 4, o, k 1, o, k 2.

1: 2

25th row-K 2, o, k 3, o, n, k 1, n,

cath row—K 2, o, k 3, o, h, k 1, h, o, t 3, o, h, k 1, h, o, k 3, o, h, k 1, h, u 3, o, k 2.

27th row – K 2, o, k 5, o, k 3 tog, o, k 5, k 2, and t

5, o, k 3 tog, o, k 5, o, k 3 tog, o, k 5, o, k 2.

29th row—K 2, o, k 1, o, k 4, n, o, k 1, o, n, k 3, n, o, k 1, o, n, k 4, o, k 2, 3rst row—K 2, o, b 3 (o, n, k 1, n, o, k 3) 4 times, o, k 2.

23th row—K 2, o, k 5, (o, k 3 tog, o, k 6) 4 times, o, k 2.

25th row—K 2, o, k 1, o, k 4, n (o, k 1, o, n, k 3, n) 3 times, o, k 1, o, n, k 4, o, k 1, o, k 2, 37th row—K 2, o, k 3, (o, n, k 1, n, o, k 3) 5 times, o, k 2.

39th row—K 2, o, k 5 (o, n, k 1, n, o, k 3) 5 times, o, k 2.

40 th row—K 2, o, k 5 (o, k a tog, o, k 5) 5 times, o, k 2.

41 th row—K 2, o, k 5 (o, k a tog, o, k 5) 5 times, o, k 2.

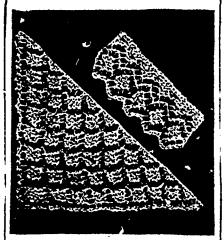
42 th row—K 2, o, k 5 (o, k a tog, o, k 5) times, o, k 2.

43 th row—K 2, o, k 5 (o, k a tog, o, k 5) times, o, k 2.

44 th row, plain.

Repeat last four rows three times, repeating incosed portion once more each time. Bind off.

Take a square of fine linen the size desired for handkerchief, cut off the four corners the size of knitted pleec, make four knitted pleeces and sew on to linen. Sew all around a lace border made as follows: Cast on 12 st.



1st*row-81 1, k 4, n, o, n, o, E 1, o,

18t TOW—51 1, K 2, n, 0, n, 0, K 1, 0, K 1, 0, k 1.
2d row—K 13.
3d row—S1 1, k 3, n, c, n, o, k 3, o, k 2.
4th row—K 14.
5th row—S1 1, k 2, n, o, n, o, k 5, o, k 2.
6th row—K 15.

7th row—St 1, k 3, o, n, o, n, k 3, n, o, k?

), k ? Sth 'ow—K 15. 9th row—Sl 1, k 4, o, n, o, n, k 1, n, o,

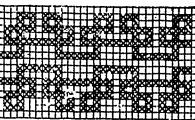
, k 1. 10th row—K 14. 11th row—St 1, k 5, o, n, o, k 3 tog, o,

12th row-K 13.-[Elma Iona Locke.

Child's Knitted Muff-Split zephyr in a nice yarn to use for this muft. Knit with medium needles. Cast on twenty with medium needles. Cast on twenty stitches and knit across plain. Wind the thread four times around the first two fingers in loops, slip the needle under these loops and knit off plain for every stitch across the row. Continue to knit plain and in loops every other row for nine or 10 inches, then bind off and join securely by sewing the sides together. Line the must with quilted satin or with china slik, and finish with ribbon bows.—[A. R. A.

Crocheted Tam-o'-Shanter-Materials 4 oz double zephyr and a coarse crochet hook. Make a ch of 7 st and join in c'.clc. Work 1st row round in d c, making 2 st in each st of ch. Work 2d making 2 st in each st of ch. Work 2d row round, making 2 d cs in every alternate st of ch. This makes the commencement of the 7 divisions of the cap. Work 3d row round, making 2 d cs at the 1st st of each division, taking st through both loops of a ch; work around thus for 25 rows, taking care always to increase at the same place. Work 2 plain rows and then 12 rows, decreasing by omitting a st at the commencement of each division. For the band round the head work 6 rows in d c. Make tuft of the wool to sew on center of crown. Line with any material desired.—[Annabel.

EDGE IN CROSS-STITCE.



Designed expressly for our readers by

To Clean Black Silk, brush thoroughly, lay flat on a beard or table oughy, hay hat on a heard or table and onge with bot coffee which must be first strained through muslin. Sponge on the right side and when partly dry Iron on the wrong side, this treatment removes grease and inpurts the brilliancy of new silk.—[A. R. A.

Sweeping Carpets-We are often told that using a little salt in sweeping carpets is a preventive from moths and pets is a preventive from moths and will brighten the colors. This is a great mistake. Salt draws moisture and rots the fabric. If salt is sprinkled around the edge of the carpet, the tacks will be found rusty and the carpet rotten. To avoid raising a dust, soak newspaper in cold water, wring out, tear into small pieces and scatter about the room. In sweeping, the dust will adhere to the paper.—[A. R. A.

Green grapes make delicious jelly. Do not pick too green; if a few are slightly turned the better. Allow 1½ lbs sugar to 1 pt juice.



Buy Direct

union, UNION, Chicago, 111 timonials free CASH BU 8-164 W. Van Buren St.

PRA S2500 Watch

Write me about your case. Advice and proof of cures fREE. DR. CHASE, 224 N. 10th St., PHILADELPHIA, PA.

THE WORLD'S CRISIS IN CHINA.

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

Conducted in the interests of the higher life of the

A magazine unlika any other periodical for the homes of the world

\$1.00 per Year

Monthly-Volume 31

10 Cents per Copy

Published by THE PHELES PUBLISHING Co.

Springfield, Mass. New York Chicago New Orleans

Established 1880 San Francisco

OUNDED by the Into Clark W Bryan nearly 20 years ago, Good Housekleping has we after place as the one unique and indisponsable magazine for each and every rember of the household, young or old, rich or poor, in town or country. Now that it has been acquired by one of the largest, most experienced and extraordinarily successful publishing firms, Good Hot SEKEEPING will be made larger and better than ever. All its unique and popular features will be retained and others added.

THE REGULAR DEPARTMENTS

have always been noted for the

authoritative character, he. fulness and inspiration. Thes

departments have included

Home Duties and Pleasures
Mothers and Children
The Flower Garden
The Round Table
The Thoughtful Hour
The Chaffing Dish
The Klitchen Table
Quiet Hours for the Quick-witted
Education and Art
Honschold Inventions
Domestic Science
Lone Advisor to the Control of the Children
Domestic Science

Homestic Science
Home Architecture and Household Decoration
Women who have made the
world better
Fashions and Fabrics
Mothers in Council
Home Science, Child Life
Talks with Fathers and Mothers
The Abandoned Farm and its
Fiture
Home Sanitation
The Culinary Realm, etc

NEW DEPARTMENTS will appear from time to time, such as

such as

Motherhood and Habyhood

Indiduod and Youth
Advancing Years
Fathers and Sons
Brothers and Sisters
How to Keep Down Household
Expenses
Ritchen and Pantry
Notes of Proress in All Pertaining to E-mity Life
The Home Berutlful
Women in Social and Civic
Affairs
Associated Effort and Co-operation
Outsitons and Answers

Questions and Answers THE CONTRIBUTORS

include such well-known names

Margaret E. Sangster Christine Terhune Herrick Catibarine B. Johnson Carrie Nay Ashten Frances M. Butler Helen Campbell J. Liberty Tadd Dr Philip S. Moxom, LL. Geo. W. Cable Jane A. Stewart

Margaret Bisland
Mary Sargent Hopkins
Marlon Harland
Marion Perry
Prof. Wm. Orr, Jr.
Henry G. Williams
Mrs. Burton Smith
Elbert Hubbard
Mrs. Muses B. Handy
Albert Bleelow Paine
Harriet Prescott Spofford
Hezekiah Butterworth
Virginia Van de Water
Margaret Burroughs
Emma Hanck Howe

GOOD STORIES IN Margaret Bisland

Marçarei Butroughs
Emma Hauck Rowo
GOOD STORIES BY
Mary F. Safford
Carolino S. Gallagher?
Marie T. Laniet-Magruder
Leslio Diano
Thee-Lea er
Maria Alleu Kimball
Eleanor Morton Parker
Helen Campbell;
Ada Marie Feek
Albina C. Watts
Carrie E. Garrett
J. L. Harbour
S. L. Bacon
Edwin L. Sadin
Josephine Canning
Jonette Harbour Perty
Judith Spencer
L. M. Montgomery

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.

RARE CHANCE FOR FARM AND HOME READERS.

The price of Good Housekeeping is Ten Cents per copy, or \$1.00 per year of 12 numbers. A sample copy will be mailed for eight cents in stamps, or a sample copy of Good Housekeeping will be given free to everyone who subscribes or renews for Farm and Home (for one year or more) within ten days. Direct to either of our offices. Better yet is this offer of

TWO DOLLARS FOR ONE!

GOOD HOUSEKEEPING at 10 cents per copy costs \$1.40 for 14 months. Farm and Home alone, 60 cents for 15 months. Will furnish both for \$1, if ordered within 10 days.

Copy or cut out following blank and soud it with \$1.

THE PHELPS PUBLISHING COMPANY,

Ruclosed find \$1 for Good Housekeeping and Farm and Home as advertised in Farm and Home Sept. 15.

Namo. ---- P O. ____ State____

Address

The Phelps Publishing Company, SPRINGFIELD, WASS.

St.Vitus'

Dance

Cured

Mrs. Minnie Fledler of M&

Pleasent, Iowa, says:

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 of the latest spring styles, which usually sell at 250 to 350 each, at 10c.

Order by number, which in each instance accompanies description. Give bust measure for ladies' upper garments; give walst 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.

with each pattern.





GIRLS' APRON
10, 12 and 14 years,
and white dotted
y, regrow ,...X
rifton and valentace, Lawn,
ook, swiss, perale,



SOS LADIES WHAPPER-32, 34, 36, 36, 10, 42 and 44-inch haist Cotton cheston madras, lawn, percal-and dimits, aiso serge, faunch, cashmere, aluatross suitable.







17888—MISSES' GEISHA DRESSING SACQUE, 12, 14 and 16 years. These oriental garments in silk, crepe, dimity or lawn are delightfully cool. White French flannel, with bands of rose, blue, nile green or old gold. Cashmere, chalile or veiling may also be used.





DISCOVERED BY A WOMAN.

thave discovered a positive cure for all famale seases and the piles. It never falls to cure the piles nor any cause or in either sex, or any of the disease cultar to women, such as leucorraws, display ents, ulceration, granulation, etc. I will glady all a free hox of the remedy in every master. As see MRS. C. B. MILLER, Sex 118, Reteme, Def.



"I was afflicted for years wi he. Vitus' dance. The first St. Vitus' dance. symptom of the disease was a

symptom of the disease was a twitching of the nerves in my left hand. I consulted physicians in vain. After I had suffered for over two years, I was led to try Dr. Williams' Pink Pills for Pale People.

"I took only two boxes, and was entirely cured. It was hard to realize that I, who was scarcely able to walk, or to talk, should be restored to perfect health by two boxes of this wonderful remedy.

remedy.
"My health is still perfect, the cure being permanent in every respect."

Dr. Williams' Pink Pills for Pale Pepple are sold by all druggers. Price & cents per box: 8 boxes \$1.50. Look feet this trademark on every package.







POD-INFANTS' EM-PIRE JACKET. One str. Wite poplin, feather-stitched with pale blue silk Flaunci.







Preserved Pumpkin-Pcel and cut Preserved Pumpkin—Peel and cut into egg-sized pieces, ateam quite done, cover with cold vinegar, set on atove and leave till vinegar scalds; let stand till vinegar cools, drain off vinegar, cover with hot sugar syrup—white, brown or maple—using a half pound to the pound of pumpkin. A seeded lemon and spices may be scalded with the preserve to advantage.—[The Maine.





TheNewYork World

Thrice-a-Week Edition 150 PAPERS A YEAR FOR @1.00

It has all the merits of a great #6 daily as the price of a dollar weekly. It prime the news of all the world, having special cerro-speadence from all important news petatess the globe. It has brilliant illustrations, ste-ries by great authors, a capital humor page, complete markets, departments for the

SPECIAL Campaign Offer

THRICE-A-WEEK
WORLD and FARM AND HOME Until March 1,1901 for only 60 cts.

Webster Dictionary Free

Webster Dictionary Free If your subscription is sent immediated we will include a copy of THE COURT, where MENSIVE WEBSTER DICTIONARY, or taining lakes words, a full description which will be found elsewhere in this late now, then, is the time to subscribe. Same sopies of The World sent free as request. ROTE—Present subscribes taking advitage of the offer will have their subscription extended RIX months.

AGENTS WARTED everywhere solicit subscriptions to this combinate Terms and particulars on application.

Addrise all orders to FARM AND HOME Springfield, Mass., or Chicago, M.

The state of the s





A BEAUTIFUL DIVINITY CIRCUIT BIBLE CONTAINING HELPS TO BIBLE STUDY, EIGHT NEW MAPS IN COLORS AND THIRTY-TWO SUPERB PHOTO-TYPE ENGRAVINGS.

....ONLY \$1.00....

INCLUDING A YEAR'S SUBSCRIPTION TO FARM AND HOME.

HIS magnificent Bible is handsomely printed from large, clear type on fine book paper, and beautifully bound in flexible Imperial seal, Divinity circuit, silk sewn, red under gold edges, round corners. The book will lie open perfectly flat; can be folded back to back, or can be rolled up without injury to the back or sewing. This Bible contains in all 900 pages, including the Old and New Testaments according to the authorized version; is illustrated with eight colored maps and thirty-two full-page illustrations, and contains complete helps to the study of the Bible, comprising

summaries of the several

books with copious explan-

atory notes and tables

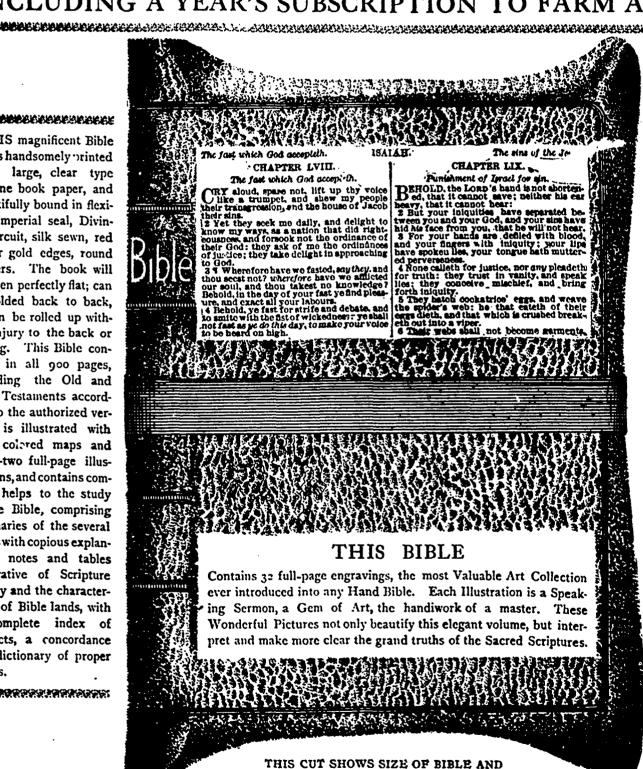
illustrative of Scripture

history and the character-

istics of Bible lands, with

subjects, a concordance and dictionary of proper

complete index of



(AMAZAMANAKETALISABIGAMA)

A Wealth of Descriptive and Pictorial Illustrations Illuminate the Text.

اواوتو

Great Scenes and Events Portrayed by Magnificent Works of Art.

يال بالا بال

Indorsed by Teachers and Bible Students the World Over.

ନାନ୍ତର ନେଲେ ଅନ୍ୟର୍ଗ ହେଲେ ବାହାର

Managamanana kalang kalang

DIVINITY CIRCUIT" BINDING.

[N/E will send this superb Bible, containing Thirty-two Full Page Engravings, Eight Beautiful Colored Maps, and bound in Imperial seal, FREE as a premium to any one sending us Four new subscriptions to Farm and Home at the club rate of 35 cents a year, or Two new subscriptions and 40 cents additional. Or we will send it in connection with Farm and Home one year for only \$1.00, former price \$2.25. Postage paid by us in each case. This is, without doubt, the biggest value ever offered in a Bible, and is only possible by our purchasing several thousand copies at a very low price, which we give our readers the benefit of. No one in need of a Bible should delay or fail to take advantage of this most exceptional opportunity. Address all orders to FARM AND HOME, Springfield, Mass., or Chicago, Ill.

Around the Globe.

The diplomatic situation in China is giving the authorities at Washington more trouble than the military, it seems that the position of Russia was well the trouble transfer the control of the control o understood before the capture of Pe-kin. There was a tacit agreement between all the powers, including the U.S. to withdraw from the Chinese capitween all the powers, including the U S, to withdraw from the Chinese capital as soon as the legations were relieved. Just what part the U S will play in the future of China has not been determined. American interests and citizens must be protected. This will of course be demanded, whatever course the other nations interested may take. The dismemberment of China is opposed by Russia, France, Austria and Italy. Germany claims that her interest is simply the re-establishment of security and regular conditions under a properly organized Chinese government and reparation for outrages committed. Japan and England are not saying much and it is hinted that these two nations would not be averse to the annexation of some Chinese territory. None of the powers have reached a final determination as to their future policy. Time is wanted for full communications between the home governments and the military and diplomatic representatives in China. Interrupted telegraphic communication makes this work necessarily slow. It is reported that the boxers are looting cities and otherwise doing much damage to people and property in many of the provinces of China. Where foreign troops are present this is prevented.

The war in South Africa drags wearily on. The attempt by Lord Roberts to capture the Boer army east of Pretoria has failed. The troops have withdrawn into the inaccessible country about Lydenburg, and although indications point to a speedy termination of the war these same signs have failed so often that the public is beginning to lose faith in them. Presidents Kruger and Steyn are reported to have gone to Barberton and the British officials think that they are preparing for flight. Gen Buller is still in the vicinity of the Crocodile mountains, where a large force of the Boers have concentrated. Gen Christian de Wet is still unconquered and is giving the English much trouble. Commandant Theron recently broke through the British lines burned a supply train and took 35 prisoners. ply train and took 35 prisoners.

The annual encampment of the G A R at Chicago was marked by monster gatherings at all the public sessions. The opening at the Collseum was attended by 13,000 people and many could not gain admission. The naval parade on Lake Michigan and the naval parade on Lake Michigan and the naval battle off Lincoln park were striking features, but the climax came in the grand review which occupied 4½ hours, with 30,000 men in line. This reunion will rank as one of the most successful ever neld. Judge Leo Rassieur, the new commander, is from St Louis, and is very popular. He was chosen by acclamation without opposition.

Bresci, the anarchist, who killed King Humbert of Italy July 29, has been tried at Milan and sentenced to life imprisonment. At the trial he freely admitted that he committed the deed, expressed his indifference to imprisonment and stated that he would wait until the next revolution. The penalty is the most severe which can be imposed under the laws of Italy for murder. Had he been tried on the charge of treason, the penalty would have been death.

An epidemic of mob violence scems to be sweeping over the north. In addition to the anti-negro demonstrations in N Y, a mob at Akron. O, attempted to lynch a negro prisoner. The deputy sheriff resisted their advances and in the riot that followed one boy was shot dead, a dozen persons were wounded and \$200,000 worth of property destroyed. In Chicago a mob collected and threatened the life of a negro suspected of a theft. If this disregard of law continues, the north will soon be as notorious as the south for inability to control mobs.

A splendid speaker has been added to the U S senate through the appointment by Gov Shaw of Congressman Dolliver to succeed the late Senator Gear of Iowa. The new senator has Gear of lows. The new senator has made a national reputation in the low-

er house by his sterling integrity, re-markable energy and devotion to bus-iness-qualities that will make him a useful and valuable member of the sen-

The Alabama, queen of the navy and the greatest first-class battleship affoat, made 17 knots an hour on her trial trip of Boston harbor. The lowa is the only American battleship of the first class that exceeded this record on her trial, and her record is but slightly better, 17.04. better, 17.04.

lills have been introduced into both houses of the Ky legislature to repeal or amend the Goebel election law. It is probable that the matter will not receive consideration until after some election system has been agreed upon by the democrats. This law is a disgrace to the state and was responsible for the murder of its author. Far-seeing democrats as well as republicans realize this and are anxious to have it taken off the books.

Gen Chaffee is slated for brigadier-general in the regular army. This or-der will go into effect on the retirement of Gen Joseph Wheeler. He will 'con-tinue to hold the rank of major-general of volunteers while in command of troops in China.

Americans have again demonstrated Americans have again demonstrated their ability to successfully compete with the athletic champions of the old world. The Vesper boat club of Philadelphia easily won the senior eight championship at Paris under the auspices of the exposition. This was the only aquatic event in which the Americans competed.

The seriousness of grip is illustrated by an insurance exhibit at the Paris exposition, which shows that within a decade the disease has become of greater importance, from an insurance standpoint, than either smallpox or cholera. It attacks persons of all ages, the principal mortality falling upon policy holders between 60 and 80 years of age. Many deaths due to grip have been erroneously attributed to pneumonia.

The principal railroads and steamship companies of Canada have agreed to co-operate with the United States in keeping undesirable emigrants from being smuggled into the states by way of Canada. Now foreigners come by steamer to Quebec, and find it comparatively easy to get across the line. The steamship companies agree to deport emigrants destined for the United States through Canada who are rejected by our inspectors. The Canadian officials promise to prevent emigrants getting a railroad ticket that will take them into the states unless they can show that they have passed the United States inspectors.

The automobile has come to stay. Recognizing this and the importance of a better knowledge of these self-propelling vehicles, the Rose polytechnic institute of Terre Haute, Ind, will give much attention to the study of automobiles. A department has been equipped with tools and machinery for their examination and construction.

What to do with the Chinese Chris-What to do with the Chinese Christians is a problem following the occupation of Pekin. Many of them have attached themselves to missionaries and expect protection. The only feasible way out of the difficulty seems to be to protect them by treaty. It will be impracticable to remove them from China even were they willing to go. The suggestion that they be sent to Manila is not entirely practicable and the exclusion laws of the U.S. prevent their being brought here. The only solution seems to be that of arranging for their protection in the country.

The epidemic of cholera in India is carrying off natives at the rate of 3000 per week. The trouble is due to pollution of the scanty water supply during the lamine. It is much worse than the hubole plane the bubonic plague.

An interesting phase of the South African trouble is the appeal to Emperor William of 400 German subjects in Johnson and the South African trouble is the appeal to Emperor William of 400 German subjects in Johnson and The South African Interest and Int

ARMSTRONG & MCKELYT BRYMER-BAUMAN DAVIS-CRAMBERS
Pittsburgh. PARNESTOCK Pittsburgh.

ANOHOR PRINTS Cincinnati, ATLANTIC BRADLKY BROOKLYN

JEWETT ULSTER MION ROUTHERN

NAM91HB COLLINE MISSOURI St. Louis. REDSEAL

SOUTHERN JOHN T. LEWIS & BROS CO Philadelphia. MORLEY

Cleveland. SALEM Salem, Mass. CORNELL Buffalo.

Louisville.

ALF the trouble people have with paint, nowadays, is because they hurry the painter. If you want the old-fashioned kind of painting - the kind that lasts — employ a competent painter and see that he uses Pure

A second way the second was a second

"old Dutch process" White Lead [these in margin are genuine brands] and allow time enough between coats for the !! paint to dry.

FREE For colors use National Lead Company's Pure White Lead Tinting Colors. Any shade desired is readily obtained. Pamphlet giving full information and showing samples of Colors, also pamphlet entitled "Uncle Sam's Experience With Paints" forwarded upon application.

National Lead Co., 100 William Street, New York.



This is one of the cheapest lanterns and yet it is a marvel of perfection and safety. It is well made, of good muterials. The oil pot is drawn from a sheet of tinned steel and then re-tinned, adding years to its life. The globe and burner are first-class. The "trick" for raising and lowering the globe to light and trim is ingenious and convenient, and when the globe is down the burner is securely locked in place.

This lantern sale at maniferent sale at maniferent

locked in place.

This lantern sells at retail everywhere for about 75 cents. If your dealer does not keep it, and will not get it for you, send \$1.00 to us, and we will send one to you, postage or express paid. Don't let him sell you some other lantern, which he says is "just as good."

Send postal for free pocket catalogue.

R. E. DIETZ COMPANY, 81 Laight St., New York City.



All Sizes. Write for Prices.
Write for Precessive New 27 of merchandrie for MOMF, FARM and FIELD.
Irom Sheriff and Receivers Sales.
Recons, Plumbing Material, Rardware,
Tools, Machinery &c., at helf price. All Sizes, Write for Price Cols, Michinery &c., at haif price CHICAGO HOUSE WRECKING CO. W. 35th & Iron Sts., CHICAGO

LATEST IMPROVED



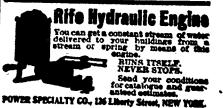
Machines for Threshing and Cleaning Grain Also machines for SAWING WOOD with circular and crosscut drag saws. Acknowledged The Best regarding case low all to be The Best draft, durability and quantity of work. So pace pumphile free.

A.W.GRAY'S SONS, Tolerand and Solo Afric. P.O. Box 45, Middletown Springs, Vt

Please mention FARM AND HOME when writing to advertisers.

44 BOOK ON SIL

SILVER MFO. CO.



lachine:

ver 70 ciese and styles, for drilling either de-llew wells in any kind of soil or rook. Mor whesh or on sile. With segmes or horse no long, simple and durable. Any mechanic rate them easily. Fend for ontalog. WILLIAMS BROS., Ithnon, N. Y.



Saw Mills, Four-horse power and larger; Sain-dille, Mills, Planers, Edgers, Lath Mills, Grinding Mills, Water Wheels, Balling Presses; Edgers, Lath Mills, Our Saw still cuts 2,000 feet per day with 4-h. p. Variable Friction Feed, Friction Set Works and Champion "Duplex" Dogs; abend of all others; the only Saw Mill sold all over the world. Soud for large catalogue and state just what is wested. Duffeaces Mills, Mys. (Co., Box 200, Mallinia). Ch.

The second second