The birch has been returned to the museum by the New York board of education.

When enough incurable grouches can be got together to form an organization it takes the shape of a group of an-

The Duchess of Mariborough denies that she has become a socialist, and it ought to be easy for her to get her denial believed,

A judge is cited who condemned a men to death while in a trance. We trust the accused also found the sen-

Few husbands ever stop to think that in the years to come their sons will be talking about the ples their mother used to make.

on an accident policy for a few years he is more than half convinced that he is being flimflammed by fate.

It seems like old times to have Wu Ting Fang in our midst uttering his bland opinions and asking his innocently impertinent questions.

The mere fact that some men live to celebrate their golden wedding anniversary should be accepted as evidence that marriage is not always a failure.

Consuelo, Duchess of Marlborough, is reported to be drifting toward social-It is rather curious that the rich have never hit upon the scheme of making socialism unpopular by espousing it.

With 80,000 more women than men in Massachusetts, the bachelors in that State must be exercising unusual vigilance this year in the presence of a female with a determined gleam in her

First one naval expert tells the Senate committee that the armor belt is not needed above the water line and then another one says it isn't needed below. Why not save compromise by not having any belt at all?

The American eagle has made up his mind to fly. Advertisements for bids for supplying the government with flying machines heavier than air brought forty-one replies, and contracts for three machines have been awarded

Just when we are growing eloquen in our denunciations of foreign noble-men who marry wealthy American girls the raiding of some matrimonial bureau reveals that a considerable number of our countrymen have been playing the same game-with less succes

The young Connecticut man who called for a young lady with the inten tion of eloping with her and was re ceived with a shower of hot water should cheer up. He might have found himself in hot water a little later any how if his plans had not miscarried

Millions of tons of sand, flung on the seaconst by winds and waves, are carried back again in the undertow, but a New York man who owned property at Coney Island recently found a way to put It where it would do the most good," and keep it there. He moored an old schooner near the beach. In eighteen months the sea built up behind it an area of one hundred thousand "pleasant land" indeed at that spot, for the Coney Island beach is worth a dollar a square foot.

Raisull, one of the professional politicians of Morocco, finds kidnaping prostable. He forced the Sultan, in 1904, not only to pay a big ransom for the release of Ion Perdicaris, an American citizen, but also to make him governor of a considerable province. elebrated last Fourth of July by kidnaping Sir Harry Maclean, a British subject, who was serving as commander of the Sultan's bodyguard. Some weeks ago he received from the British government a hundred thousand dollars and a guarantee of protection in return for the release of Sir Harry. He has also held for ransom the Moroccan correspondent of the London Times, as well as other less noted persona. ing shows more clearly than the apparent freedom with which Ralsuli carries his trade how disorganized society and government are in Morocco,

A new piece of machinery for the as similation of immigrants is the nightschool in labor camps. Like so many other useful agencies of the day, it has been carried to successful develop such schools among the unskilled laborers whom contractors employ. In most of the camps where these schools have been established, about one-third of the men usually attend. Instruction in English, which is the balt, has been given earning from primers that "this is a cat," the adult pupils learn from special text-books that "this is a pick and discover the importance of under standing and knowing how to say, "Get the train," and "Do you want a tob Not the least interesting of the effects which these schools have had is the transforming of disorderly and dangerous camps into quiet and peaceful com-

The relation of laborers and labor inions to national law has recently been defined by the Supreme Court in three important particulars. The law of last year holding railroad companies ansible for injuries to their emhas been declared invalid on the od that it does not distinguish been persons engaged in interstat the only commerce over ch Congress has jurisdiction and employed entirely within the

ployes engaged in interstate business.

The act of 189s which was passed after the great Chicago strike, which for ership in a labor union, was declared invalid in an action growing out of a suit brought by a locomotive en-gineer who had been discharged be-cause he was a member of such a union. The court decided that "It is not within the functions of government -at least in the absence of contract between the parties-to compel any person in the course of his business and against his will to accept or retain the personal services of another, or to compel any person against his will to perform personal services for another." The court has also decided that the pro visions of the Sherman anti-trust law of 1890 apply to the acts of labor unions when those unions or their members enter into a combination to interfere with the business of a manufac turer who sells his goods in more than one State. This decision was reached in a suit for damages brought by a firm of Connecticut hat manufacturers against the Hatters' Union and the

American Federation of Labor for boycotting their business. The opinion of the chief justice, concurred in unanimously by his colleagues, announces that "The combination charged falls within the class of restraints of trade aimed at compelling third parties and strangers involuntarily not to engage in the course of trade except on conditions that the combination imposes,

## THE MASON REVOLUTION

and is therefore forbidden by law.

Baby Made Unprejudiced Critician After the Company Had Gone. "I'm so sorry Cousin Helen's gone! Marjory remarked, plaintively, as the family gathered at dinner time.

"Why, dear?" Anna asked. "Do you miss her so much?" The child shook her head. "I don't mean that-I mean that we're so much

politer when we have company." The Masons looked at each other in consternation. "'Out of the mouths of babes!" " Portia murmured. Then she turned to Marjory. Portia had the kind of chin that meant determination

"How are we politer?" she asked. Marjory's grave eyes traveled round the table as she thought it all out.

"Why, papa talks," she said, slowly "Papa's real interesting when he talks to company. And mother fixes her halr prettier, and Jack passes things without being asked, and Anna laughs at the stories people tell, and you-"

"Yes?" Portia encouraged her resolutely. "What do I do, Marjory? What rare and clusive grace of mine appears only in the fostering atmosphere of

"I-don't know how to say it." Marfory replied, wrinkling her forehead in the effort. "You seem nice and soft, and not loud and quick and bangy, the way you are sometimes."

It was too much for the family, and laughter relieved the tension. Portia's mouth had a funny quirk as she repeated, gravely, "'Nice and soft.' Somehow the words do not present a particularly alluring ideal, but doubtless that is the fault of my dislike of the terms employed, not of the ideal. I call upon the family collectively to clear this matter. Am I too 'soft' in the presence of company?"

The reply was a prompt and unant-

Portia drew a long breath. "Then she declared, "since I seem to be the greatest sufferer under this exceedingly clear and unprejudiced judgment, I move that hereafter the Masons amend their ways; that mother look her prettiest, that father entertain his family. that Anna show her graceful 'company' 'company' solicitude in the matter of passing things to his own people, that Portia-well, I'll promise to wrestle with Portia. In short, that we wear our prettiest manners every day to each other. Are you ready for the question?

All in favor say aye." "Aye!" cried the Masons. "Contrary-minded-

There was no response. "Ladies and gentlemen," Portia announced, "the revolution is on."-Youth's Compenion.

The First Moving Pictures.

e beginning of moving picture was in this wise: Sir John Herschel after dinner in 1826 asked his friend Charles Babbage how he would show both sides of a shilling at once. Babbage replied by taking a shilling from his pocket and holding it to a mirror This did not satisfy Sir John, who set the rotating coin both sides can be seen at once. Babbage was so struck by the experiment that the next day he described it to a friend, Dr. Fitton, who immediately made a working modment by a woman, who has organized el. On one side of a disk was drawn a bird, on the other side an empty bird cage; when the card was revolved on a silk thread the bird appeared to be in the cage. This model showed the persistence of vision upon which all moving pictures depend for their effect in a most unusual way. Instead of The eye retains the image of the object seen for a traction of a second after the object has been removed. This Next came the soetrope, or wheel of life. A cylinder was perforated with der was placed a band of drawings of dancing men. On the apparatus being slowly rotated the figures seen through the slots appeared to be in motion. The first systematic photographs taken at regular intervals of men and animals were made by Muybridge in 1877 .-

> When married women ait and stare at the fire, what are they thinking about? They usually have such an odd look around the corners of their mouths, and so many wrinkles in their foreheads, is can't be anything very

pleasant. mployed entirely within the another milliner, or a singer who could The President has urged that run across another singer's name in the nges paper without turning up her nosa.

## The Firm of

## **Girdlestone**

A CONAN DOYLE



CHAPTER X. During the months which Ezra Girdle-stone had spent in Africa the affairs of he firm in Fenchurch street had been exceedingly prosperous. Trade upon the oast had been brisker than usual, and hree of the company's ships had come in short intervals with excellent cargoes, mong these was the Black Eagle, which, o the astonishment of Captain Hamilton Miggs and the disgust of his employer, had weathered a severe gale in the Chan-nel, and had arrived safe and sound once nore. This run of luck, supplemented by the business capacity of the old merchant and the indomitable energy of young Dimsdale, made the concern look so flourshing that the former felt more than ever onvinced that if he could but stave of the immediate danger things would soon right themselves. Hence he read with felight the letters from Africa, in which its son narrated the success of the con-spiracy and the manner in which the min-ers had been hoodwinked. The old man's figure grew straighter and his step more firm as the conviction grew upon him that the company would soon return once again to its former condition of affiuence.

It may be imagined, therefore, that when the rumors of a bona fide diamond find in the Orange Free State came to his ears John Girdlestone was much agi-tated and distressed. On the same day that he saw the announcement in the papers he received a letter from his son cing the failure of their enterprise. After narrating the robbery, the pursuit, the death of Farintosh and the announcement of the new discovery, it gave an ac-

ount of his subsequent movements.

"As to our speculation, the letter said, it is, of course, all up. Even when the Russian business proves to be a hoax, the price of stones will remain very low on account of these new fields. It is possi-ble that we may sell our lot at some small profit, but it won't be the royal road to a fortune that you prophesied, nor will it help the firm out of the rut into which you have shoved it. My only regret in leaving Africa like this is that Williams will have no one to prosecute him."

This letter was a rude shock to the

African merchant. Within a week of the receipt of it his son Ezra, gloomy and travel stained, walked into the sanctum at Fenchurch street and confirmed all the evil tidings by word of mouth. The old man was of too tough a fiber to break down completely, but his bony hands clos-ed convulsively upon the arms of the chair, and a cold perspiration broke out upon his wrinkled forehead as he listened to such details as his son vouchsafed to

"You have your stones all safe, though?" he stammered out at last.
"They are in my box at home," said Erra, gloomy and morose, leaning against the white marble mantelpiece. "We'll be lucky if we clear as much as they cost and a margin for my expenses and Lang-

breast. "When that day comes," he con-tinued, "the firm which has been for thir"It was one of ty years above reproach, and a model to bankrapt concern. Worse still, it will be shown to have been kept afloat for years by means which will be deemed fraudulent. I tell you, my dear son, that if "But he could not foresee the circumstances," "But he could not foresee the circumstances," Town pleaded, "I am sure that any means could be devised which would stances," Tom pleaded. "I am sure that avert this—any means—I should not hes-itate to adopt them. I am a frail old her sentiments in this matter." itate to adopt them. I am a frail old

man, and I feel that the short balance of "My duty is to carry out his instruction my life would be a small thing for me to tions to the letter. I won't say, however, work which I have built up should not be altogether thrown away.

"Your life cannot affect the matter one way or the other unless it were more heavily insured than it is," Ezra said, callously, though somewhat moved by ais there is some way out of the wood yet, he added, in a more cheerful tone.

"It's so paying, so prosperous—that's what goes to my heart. If it had ruined the shilling spinning upon the dinner it is sacrificed to outside speculationstable, at the same time pointing out my wretched, wretched speculations. That that if the eye is placed on a level with is what makes it so bard." He touched He touched the bell, and Gilray answered the som mons. "Listen to this, Ezra. What was our turn over last month, Gilray?"
"Fifteen thousand pounds, sir," said the

little clerk, bobbing up and down like a buoy in a gale in his delight at seeing the partner once again.

"And the expenses?" "Nine thousand three hundred, Uncommon brown you look, Mr. Ezra, to be on brown and well. I hopes as you enjoyed yourself in Africa, sir, and was too much for them Hottentots and Boars." With this profound ethnological remark Mr. Gilray bobbed himself out of ink-stained desk.

\* stained dess.

"Look at that," the old man said, when a click of the outer door showed that last condition may seem to you the click of the outer door showed that the clerk was out of earshot. "Over five What a fortune it would have

meditative brows and hands plunged deep in his trouser pockets. "There is that girl's money. Could we not get the tem-porary use of it?"
"Impossible!" his father answered with a sigh. "It is so tied up in the will that

she cannot sign it away herself until she comes of age. There is no way of touching it except by her marriage or by her

means open to us."
"And that is?"
"I must marry her."
"You will?"
"I shall. Here is my hand on it." "Then we are saved," cried the old man, hrowing up his tremulous hands. "Gir-

partner," said Ezra. "It's for my own union?"
sake I do it and not for yours;" with which frank remark he drew his hat down over his brows and set off for Eccleston to the docks and look after the loading of

making his way cityward at a rather carlier hour than was customary with earlier hour than was customary with him, he missed the usual apparition at the window. Looking round blankly in search of some explanation of this absence, he perceived in the garden a pretty white bonnet which glinted among the leaves. and on closed inspection a pair of bright eyes, which surveyed him merrily from underneath it. The gate was open. St may be imagined that he was somewhat late at the office that morning and on many subsequent mornings, until the clerks began to think that their new ou-

ployer was losing the enthusiasm for business which had possessed him. It chanced that one morning the inter-view between the lovers had lasted rather onger than usual, and had been concluded Kate's returning to the house, while Tom remained sitting upon the garden from remained sitting upon the garden seat lost in such a reverie as affects men in his position. While thus pleasantly employed, his thoughts were suddenly re-called to earth by the appearance of a dark shadow on the gravel in front of him, and looking up he saw the senior partner stunding a short distance away and regarding him with anything but an amiable expression upon his face. He had himself been having a morning stroil in the garden, and had overseen the whole of the recent interview without the pro-occupied lovers being aware of his pres-

"Are you coming to the office?" h Tom rose and followed him out of the gardens without a word. He knew from the other's expression that all was known to him, and in his heart he was not sorry. His only fear was that the old man's auger might fall upon his ward, and this he determined to prevent. They welled he determined to prevent. They walked side by side as far as the station in com-plete silence, but on reaching Fenchurch street Girdlestone asked his young paraner to step into his private sanctum

"Now, sir," he said, as he closed the door behind him, "I think that I have a right to inquire what the meaning may be of the scene of which I was an involuntary witness this morning?"
"It means," Tom answered firmly bu

gently, "that I am engaged to Miss Hacston, and have been for some time."
"Oh, indeed," Girdlestone answered
coldly, sitting down at his desk and turn-

ing over the pile of letters.

During the long silent walk the chant had been revolving in his mind what course he should pursue, and he aad come to the conclusion that it was more not realize the strength of the tie tha bound these two young people together, and imagined that with judgment and patience it might yet be snapped. It was therefore, with as good an imitation of geniality as his angular visage would per-mit of that he answered his companion's

"You can hardly wonder at my being surprised," he said. "Such a thing never entered my mind for a mnment. You would have done better to have confided

"I must ask your pardon for not hav-

"As far as you are concerned," said John Girdlestone affably, "I believe you to be hardworking and right principled. Your conduct since you joined the firm has been everything that I could desire."

Tom bowed his acknowledements, much pleased by the preamble. "With regard to my ward," continued the senior partner, speaking very slowly and evidently weighing his words, "I could not wish for her to have a better husband. In considering such a question worthy's. A broken head is all that I have got from your fine scheme."

"Who could foresee such a thing?" the old man said, plaintively. "The fall in I have, however, as you may imagine, to prices is sure to be permanent?"

"It will last for some years, anyway."

Ezra answered. "The Jagersfontein gravel is very rich, and there seems to be plenty of it."

"And within a few months we must repay both capital and interest. We are ruined!" The old merchant spoke in a broken voice, and his head sank upon his limited.

"It was one of Mr. Harston's m clearly expressed wishes that no words whole city, will be proclaimed as a even thoughts of such matters should be allowed to come in his daughter's way un-

continued Mr. Girdiestone, "that circum stances might not arise which might in duce me to short a this probationary ne riod. If my further acquaintance you confirms the high impression which I of course would have weight with me; mind is made up upon the point, that also would influence my judgment.

"And what are we to do in the mean-time?" asked the junior partner anxious-

"In the meantime neither you nor your people must write to her, or speak to her, or hold any communication with her If I find you or them doing so, I shall be compelled, in justice to Mr. Harston's last request, to send her to some establishment abroad where she shall be entirely out of your way. mind is irrevocably made up upon that point. It is not a matter of personal inclination, but of conscience. "And how long is this to last?" cried

"It will depend upon yourselves. you prove yourself to be a man of honor in this matter I may be inclined to sanction your addresses. In the meantime, you must give me your word to let it rest. the room and went back radiantly to his and neither to attempt to speak to Miss ink-stained desk.

Harston nor to see her, nor to allow your the clerk was out of earshot. "Over five hard, but, in my eyes, it is a very important one. Unless you can bring yourself that such a business should go to promise all this, my duty will compel ruin? What a formula is a formula in the compel ruin? me to remove my ward entirely

ween for you!"

"It must be saved!" cried Ezra with ful to her and inconvenient to myself."

"But I must let her know of this arrangement. I must tell her that you hold out hopes to us on condition that we keep apart for a time."

"It would be cruel not to allow do that," Girdlestone answered. may send her one letter, but, remember, there shall be no reply to it."

"Thank you, sir: thank you!" Tom cried, fervently. "I have something to live for now. This separation will but make our hearts grow fonder. What make our hearts grow fonder. What change can time make in either of us?"
"Quite so," said John Girdlestone, with a smile. "Remember, there must be no more walking through the square. You must remain absolutely apart if you wish to gain my consent."

"It is hard, very, very hard. But I will premise to do it. What wou'd I am

promise which would lead to our earlie

the transferable corrugated iron house

New Calabar. "All right, sir, and thank you for you kindness," said Tom, bowing himself out. He hardly knew whether to be pleased or grieved over the result of his interview but on the whole, satisfaction prevailed since at the worst it was but to wait for a year or so, while there seemed to be some hopes of gaining the guardian's con-sent before that. On the other hand, he had pledged himself to separate from Kate, but that would, he reflected, only

make their reunion the sweeter.

When the hour of luncheon arrived no thought of food was in the lad's head, but, burying himself in the back parlor but, burying himself in the back parior of a little Blackwall public house, he called for pen, ink and paper, and proceeded to indite a letter to his sweetheart. Never was so much love and comfort and advice and hope compressed into the limits of four sheets of paper or contained in the narrow boundary of a single envelope. Tem read it over after he had finished, and felt that it feebly expressed his weight. For this a block of iron or and felt that it feebly expressed his his thoughts; but then, what lover ever did succeed in getting his thoughts satisfactorily represented upon paper.
Having posted this effusion, in which he had carefully explained the conditions imposed upon him, Tom felt considerably more light-hearted, and returned with renewed vigor to the loading of the corru-gated fron. He would hardly have felt so satisfied had he seen John Girdlestone receiving that same letter from the hands of the footman, and reading it afterwards in the privacy of his bedroom with a sardonic smile upon his face. Still less con-tented would he have been had he beheld the merchant tearing it into small frag-ments and making a bonfire of it in his capacious grate, Next morning Kate looked in vain out of the accustomed dow, and was sore at heart when no tall figure appeared in sight, and no friendly hand waved a morning salutation.
(To be continued.)

## COMMON MISNOMERS. German "Silver" from China-Term

Apropos of the assertion that panathat seems too hard. The rig is useful na hats do not come from Panama, it also in putting down driven wells. is interesting to see how often things ferred. The lengths should not are called by names to which they have no relation, says the London P. over 6 feet. The first pipe to be driven must have a point of iron or steel.

Any blacksmith who is an expert at T. O. For example, kid gloves are not made of kid, but of lambskin or sheepwelding can readily make a point solid skin. When we refer to the dish known in the end of the pipe, and then bore as Irish stew, most of us lose sight of numerous 1/4-lnch holes in it for the

the fact that it is unknown in Irefirst 18 inches of its length above the land, while German silver is not silland, while German silver is not silver at all, nor of German origin. It bias been used in China many centuries.

The term "Twikish bath" is judicrous: The term "Turkish bath" is ludicrous; so the thread may not be injured. Also so are most other kinds of baths, for in Turkey cleanliness does not rank next to godliness. Milton, again, says in Paradise Lost:" struction.

"Thick as autumnal leaves that strew the brooks in Vallombrosa." There are no leaves in Vallambrosa; most of the trees are pines. rule must never be forgotten; Each

The list of misapplied terms might be prolonged almost indefinitely. Cat-gut, for instance, is sheepgut; and why should blind worms be so called when they can see quite well? Take a glance map of northeastern America, and you will see that Baffin bay is anything but a bay. One might just as well suppose that rice paper was made from the rice plant as that Dutch cently marketed some lambs that had clocks are manufactured in Holland. As a matter of fact, rice paper is made ferent rations. Lot one was fed man-China from a tree peculiar to the gels, lot two sugar beets, lot three corn island of Formosa and Dutch clocks silage and lot four grain and alfalfa. come from Germany. The shrewmouse There was no material difference in just escapes from being a mouse by the the condition of the lambs in lots one merest chance, but there is not the and four at the finish. While the lot slightest justification for the word given corn sliage was in better shape "titmouse" as applied to a bird. Custom and usage have reconciled us to not as good as lots one and four. It is the use of the word "slave" in the the claim of English shepherds that of one who is subservient, but succulent feeds are necessary in securstriking example of the misap plication of words. The Slavi were a above experiment indicated that while tribe which once dwelt on the banks the lambs fed such feeds made better of the Dnieper, and derived their name gains than others, there was not from "Slav," which means noble and illustrious. In the later days of the Roman empire vast numbers of them spread over Europe in the condition of captive servants, and thus the name of the tribe came to mean the very antithesis of its original sense.

A Case of Bluff. "Talking about bluffing." horseman, "there was a chap who

ought blacksmithing looked simple and easy, and so, being out of work, corn, 1-3 bushel; corn, broadcast, 4 he decided to have a try at it. went to a smith and asked for a job. corn, in drills, 2 to 3 bushels; popeorn 'Well,' said the smith, 'you are a strong, likely looking young fellow. garden, 2 to 3 bushels; potatoes, 10 to What experience have you had? "'Eleven years,' was the prompt an-2 pounds; mixed lawn grass, 3 to 4

"'All right. I'll try you," said the 2 bushels; wheat, 11/2 to 2 bushels. blacksmith. 'Shoe that mare while I

go home to dinner." "The smith on his return from dinner frowned and said to the new hand: "'What! Haven't you got that mare

shod yet? "The bluffer bit his lip, flushed and replied:

'I can't get her confounded foot in

Had Reformed. Askitt-What kind of a man is Hyker?

Noitt-Oh, I guess he's all right now, but he was engaged in a shady ess a few years ago. Askitt-What was the nature of the uniness? Noitt-He manufactured awnings

Helpful Suggestion. Miss May Dupp-I just can't bear to

walk out in the wind; it roughens my mplexion so Miss Pert-Mabe your complexion's too thick; if you'd put it on thinner y

might not do that. If They Did. Twould be a blessing without price The lesson thus to teach. If all the folks who give advice Would practice what they preach

Cleveland Plain Dealer.

Pa's Classification Little Willie-Say, pa, is it prope to refer to an airship as an aerial

Pa-No, my son; the sirship the sky-terrier class.



de Post or Well Driver.

conomy on many farms, if well sharp-

ened and the right method is followed

A real post driver is one of the most

easily made things and one of the most useful that a farmer can get up.

will enable one to drive posts in soil

To drive a well 14-inch pipe is pro

cussion, to preserve the pipe from de-

The pipe is driven the same as

post, another length being attached as

fast as one is sunk in the ground. One

length of pipe must be threaded so long

that it screws into the coupling and

rests (buts, they call it), on the end

of the pipe beneath it. This prevents

splitting the coupling and leaky joints.

-Julius Brown, in Farm and Home.

been fed to determine the value of dif-

the a good finish on lambs but the

enough difference to warrant the buy-

seed an acre; barley, 2 bushels; tim-

othy, 6 quarts; tobacco, 2 ounces; blue

grass, 2 bushels; clover, white and al-

sike, 6 to 8 pounds; clover, red, 8 to 10

quarts; clover, Lucerne or alfalfa, 15

to 25 pounds; red top, 1 to 2 bushels

millet, 16 to 1 bushel; orchard grass, 2

bushels: buckwheat, 16 bushel: broom

bushels; corn, in hills, 4 to 8 quarts

2 quarts; sweet corn, 6 quarts; peas

12 bushels; rutabagas and turnips, 1 to

bushels; rye, 11/4 to 2 bushels; vetches,

Should Be More Hedgerows.

There ought to be more hedgerow

than there are on central western

farms, for when grown they not only

sarve as a fence which will turn live

stock, but provide birds which nest in

shrubs the best possible protection dur-

ing the summer season. Of all his

friends in the animal kingdom outside

of the farm animals none render the

farmer more valuable service than the

many birds which range over his land,

and he is not only doing them a kind-

ness, but helping himself in a very

definite fashion, if he so manages

things that they can have as many

Exhausting the Soil.

When a country has been farmed for

orty years or more strictly on a grain-

farming basis, things begin to look

pretty desolate, unless legume crops

ods of farming are in practice the value

Operating Table for Horses.

A new operating table for horses is

described with illustration in Popular

Mechanics. It is a great steel frame

which revolves like a wheel on an

axle. The horse to be operated upon is

is ready, and the anesthetic adminis-tered, the frame is swung into the po-

nary hospital in New York,

of legumes is given little beed.

nesting places as possible.

ing of such feeds.

It is a noted fact that where legume tre grown on land, say two-fifths of the time, which certainly should be the case, the nitrogen supply is held. It is ilso well known that the feeding of the crops grown on the same farm, the proper care of the barnyard manure, and its application to the lands, will return all the fertilizing ingredients with the exception of such as compose the animal body, and such other prodwhich supports the hoist for the weight. For this a block of iron or stuffs for farm animals, finding their lead weighing not less than 25 pounds must be obtained, and it must have a way to the soil through the manure; or, they may be secured directly by

> soil from 2 to 6 feet, and take directly the ingredients from the subsoil, and upon their decay tend to increase its porosity. This assists the capillary movements of water, which reacts as an agent to carry fertilizing ingredients as they become soluble in the low-er soils up to near the surface, where they are readily available to the feed ing roots of succeeding crops.

For Picking Cherries. With the aid of an improved fruit gatherer designed by an Indiana man, the most delicate of small fruits, such

as cherries, can be severed from their stems without mutilation, infecting or soiling of the fruit in the least, and without the necessity of the bands of the person coming in contact with the fruit. As shown in the illustration, the gath-

erer is of a size to be easily manipulated by CLIPS OFF FRUIT. the hand. In one end is an opening, to freely admit the fruit, a stationary blade and a movable blade being placed in advance of the opening. By this novel arrangement of the fixed blade and the disposition of the movable blade and its arm, the movement of the one blade past the other, besides effectively severing the stems, tends to impel the severed fruit into the opening. In practice the device is held in either hand, and as the stems of the fruit are cut it slides down the incline and into the receptacle. When the latter is filled the contents are easily discharged through the hinged lid at the

Be on the Safe Side. If the herd milk is separated on the home farm and only the cream sent to the factory there is no danger of the patrons getting an intected supply of skim milk from a source outside their own farms. The farm separator will protect him from acquiring tuberculosis from the neighbor's herd, which may be spread through the medium of

the skim milk returned from the creamery. Farmers and dairymen who are feeding young stock the creamery skimmed milk should by all means have a good separator and by so doing insure their herd against infection.-F. L. Risley.

Odds and Ends. Sheep growers near Roseburg, Ore., are offering \$40 per head for every coyote killed.

There are more than six and a halt million of farm families in the United States, and they produce enough food for themselves and the other 12,000,000 families who live in the cities and It will require 3 bushels of oats to towns.

> The telephone is now being largely used in the country districts for the benefit of the bedridden persons, who are connected with church pulpits and are thus enabled to hear the sermon and singing. Luther Burbank's thornless cactus.

> which promises to be a valuable forage plant, grows to a length of about three feet by one foot wide, three inches thick, and has a surface similar to that of a watermelon. A twenty-three-acre apple orchard re cently sold by John Touchette of Centerville, Ill., for \$25,000 cash. The or-

> chard is twenty-one years old, and its annual crop has brought from \$5,000 to \$8,000 for several years. A bill has been introduced in Congress to establish postal savings banks which are to pay 2 per cent to the depositors and to be under the supervision of the Postmaster General and Sec

> retary of the Treasury. Expert peach growers of Michigan say that the hard freeze of last year will prove a benefit, as it really cleared out and rid the State of hundreds of worthless orchards. New ones will be planted to take their place.

> The International Harvester Com pany has been found guilty on fortytwo counts by a Kansas jury at Topeka for violation of the trust law. penalty is \$1,000 on each count, but the company has taken an appeal.

New England farmers make good money by selling ferns, which grow plentifully in the rockyh ighlands. Pickhave been raised extensively; and, as ers are paid 40 cents per 1,000, tied up a rule, where such short-sighted methin bunches of twenty-five and delivered at the railroad station. A crop can only be picked every second year.

The State of Vermont has built a \$60,000 dairy with a special reference to teaching farm boys and siris how to make good butter and market their products.

The farms of Kansas produced \$19. 000,000 more produce last year than in 1906. The wheat crop alone amounted led to the frame and securely fastened to nearly \$60,000,000 and the corn crop about \$63,000,000

by straps and padded bars. When all The members of the Bee Keep sociation of the United States, which met in Chicago recently, declared that sition most convenient for the operathe pure food law has increased demand for and sale of pure h