Greater San Francisco is the next

thing in order Only those who enjoy dining on air can afford to trust to luck.

Wireless telegraph does its best work at night. The same is true of wireless politics.

Any fool can predict an earthquake, and more of them ought to refrain from doing it.

Ours is truly a great and glorious country, it produces spring chickens all the year round.

play the leading role in the stirring rural drama, "Driven from Home."

the Muck Rake" should find the fertilizer trust a proper subject of attack. There is a certain grim logic in a

man's shooting his head off because he was insane. Many are not sane enough When that tax on fortunes is put

a brass band to the funeral of every In advocating an inheritance tax it is not to be inferred that President Roosevelt had the new Rockefeller baby espe-

cially in mind. Mr. Rockefeller is now rated as a billionaire and berated as the most infamous man of the age. Still, he says

be is always at ease. Statistics show that 1,006,000 people have been killed by earthquakes since 1137. That's a large number, but, then,

Those who prophesy earthquakes and volcanic eruptions cannot be expected to miss every time. Even the weather bureau hits it occasionally with its

divorce on the ground that his wife

King Edward is now a doctor of laws in Pennsylvania, but he will find that the coal trust and its friends have already doctored the laws of that Commonwealth about all they will stand.

feet in width. Physiognomists say a ture mortgaged, life narrows down to May he, dear?" wide mouth denotes strength of characthe the thorny lane of despair. It does not . "You'll have the house full of these ter, but we can't find much to admire In the character of Vesuvius.

Some statistician has put forth the declaration that the annual products of all the gold mines in the United States do not equal in value the eggs that are laid by American hens each year. We increase. But he who wastes his many add that very few of the hers money however much was his store. I didn't love you are a great bear, and if you hadn't saved my life, you know, I shouldn't love you a bit. There, you may kiss me" (her voice grew softer). "This convict business has brought it all back, and I should be ungrateful if add that very few of the crow over it, either.

Wooden shoes are clattering into use in America, chiefly among our adopted citizens. A few years ago there was um between the extremes of extravasupposed to be only one maker of sabots in New York City. Now there are it. And happy is the man who dwells girl. known to be several manufacturers in New York and other cities. Indeed, the Industry has grown in Michigan to be a lusty infant, and manufacturers from that State have asked to be protected by a tariff on the foreign product.

Perhaps the next improvement in methods of travel in the large cities will involve the use of the pneumatic tube. Living parcels were experiment ed with in Philadelphia not long ago, and the result was surprisingly success ful. A bantam rooster was put in the carrier and forced through the tube to n station a mile and two-fifths away. The first thing he did when taken out was to crow, as if in celebration of his schievement. Later two pupples and two guinea-pigs were sent through, and a glass bowl filled with water containing several goldfish. None of the creatures suffered injury.

In Germany the Minister of Foreign Affairs directs the government of the colonies of the empire as well as deals with its relations to other countries. Because of the increasing importance of the colonies, German statesmen are discussing the need of dividing the department and creating a new member of the cabinet, to be known as the Colonial Secretary. The British did this years ago, and they have a Secretary of State for Foreign Affairs. The United States has not had foreign dependencies long enough to evolve any plan for their management. The Philippine Islands and Porto Rico were acquired by conquest, treaty and purchase, and began their relations to this country with the Secretary of War as the cabinet officer immediately responsible for their government. He has remained in charge of them because no one has thought of a better way for supervising their affairs.

The first American earthquake in our history was that of Nov. 18, 1755, and simultaneous with the great Lisbon earthquake. The disturbance was known to extend to Iceland. In Massachusetts the earth suddenly began to roll in swells on Nov. 18, with a roaring noise like that of thunder. There were several shocks, but the greatest lasted about two minutes, and was accompanied with jerks and wrenches. Many chimneys in Boston were dislocated or thrown down, with brick buildings contorted and fissured and the stone walls on the farms frequently overthrown. A tidal wave followed. The next earthquake of importance occurred in 1811, with its center around the little town of New Madrid, on the Mississippi, some fifty miles below the Ohio River. Humboldt remarks that it was one of the few examples of inces-

cessive months far from any volcano For months the country stretching southward from the Ohio River along the Mississippi rose and sank in great waves At one time lakes would be formed, and at the next convulsion they would be drained. The earth was opened in great fissures, generally running from the northeast to the south west. Some of these were wore than a half mile long, and there was ejected from them mud and water thrown out with violence that carried them above the tops of the trees. The terrorstricken people were unable to escape from the country, but they protected themselves by felling trees east and west and forming platforms upon which they could take refuge. The disturbances continued until March 26, 1812. when they ended with a great convulsion, which was coincident with the earthquake that destroyed Caraccas, men?" asked Meekin. the capital of Venezuela, and buried Ohio proposes to make Standard Oil 12,000 people beneath the ruins. Oct. our place for 'colonial-sentence' men. lay the leading role in the stirring 19, 1870, there was a shock extending The worst we have are there. It has region from 50 to 100 miles northeast It is but natural that "The Man with of Quebec. Aug. 31, 1886, Charleston, quake, in which about 7,000 buildings quake, in which about 7,000 buildings "And do they never leave the place were either destroyed or seriously in when sentenced for life?" said Meekin. fured and several lives were lost.

Of two men who make each a dollar into effect the public can afford to send and he who spends one cent more is turesque, I can assure you."

"My dear Maurice," says Sylvia, going poor and ever getting poorer. The man income saddles himself as a poor beast you talk like that?" of burden. In the saddle ride the Meckin. double load of deceit and despair, with The convict-serveant, who had entered rooms and board alone, while his salary a regular little colony here. All the was only \$1,500. This arrangement left scandals in Van Dieman's Land are finger is worth your whole body. He is hatched at Port Arthur." \$200 a year for the rest of the expenses it has been quite a little while since more than he makes without being was time for him to depart. forced to beg or steal-for to borrow Sylvia burst into laughter as the door under such circumstances is only to closed. threatens to kill him. What he really seems to owe the lady is a vote of thanks.

If the lender need not be consulted. But he who walks into this quagmire flounders to his doom. There is no help or hope for him unless he withdraws in hope for him unless he withdraws in "My dear Sylvia" said his ambrella, and his hair and his scent! Fancy that mincing noodle showing me the way to heaven! I'd rather have old Mr. Bowes, papa, though he is as blind as a beetle."

"My dear Sylvia" said his numbrella, and his hair and his scent! Fancy that mincing noodle showing me the way to heaven! I'd time. It is by no means an uncommon ously, "Mr. Meekin is a clergyman, you vice. It may almost be said to be one know." monwealth about all they will stand.

The crater of Vesuvius, formerly but 100 feet wide, is now more than 1,000 to feet wide. hope and peace. One who husbands stay." money, however much, upon his stom- I didn't love you, dear." ach and his back in efforts to impress others with his importance, never has anything but debts, and fools nobody but himself. There is a golden medi-

## MEGAPHONE AS A FOGHORN.

in that medium!

Warning Can Be Heard 20 Mile

from Station on Atlantic Coast. There is another use for megaphones cientists have recently applied this invention to a more laudable purpose On Falkner's Island, off the Connecticut coast, there has been erected a huge revolving platform, on which are stationed eight large megaphones, each measuring seventeen feet and having a nouth seven feet in diameter. These horns send out their cry of warning to every point of the compass, the power being furnished by a steam whistle.

twice as far. The instrument utters its reward for his exertions in each megaphone utters its cry in turn. the ocean in every direction. There hand. is a combination of short and long blasts for each point of the compass, hastily tearing it open to read. so that a mariner may know exactly

whence the sound proceeds. The government recently made an lighthouse on Diamond shoals, off Cape I suppose." that no foundation could be found for self, fiercely, as he strode down the the lighthouse.

electricity. The machine will be oper-ated by clockwork and when once post wound up will shout for many months tered, and made his way along a narrow without requiring any attention. The passage to a glass door at the further necessary current will be furnished by a dynamo and in calm weather the who courtesied with servile recognition shout will penetrate the air for a dis-

#### tance of twenty-five miles. Conclusions.

"that your young wife has disap-

peared.' "Yes," replied the other veteran. fly dropped in the water near her this evident that he was not a constant vismorning, and without investigating she concluded it was all right."

"Yes?" "Yes; so she jumped at the conclusion and that concluded her."-Philadelphia Press.

The Other Side.

"Did you ever get into Brown's confi dence?"

"Oh, yes, it was costly, too." "What was costly?" "To get out."-Yonkers Herald.

# for The Term of His Natural Life

By MARCUS CLARKE

·····

a termination as possible. "you want of me?" he asked.

where he was standing.

to see him, I suppose?"

shall do to save him.

"Well?"

save his life."

Maurice?"

Sarah Purfoy laughed; a forced laugh,

that sounded so unnatural that Frere turned to look at her. "I want you to

"What do you mean?" asked Frere,

She suddenly rose and crossed to

"Maurice, you were very fond of me

"Hang it!" said be, shifting his arm

"There was a transport came in this

"You know who was on board her

At this repulse her pent-up passion

broke forth. She sprung to her feet,

and, pushing back the hair that in her

frenzied pleading had fallen about her

face, poured out upon him a torrent of abuse. "You! Who are you that you

a man, a brave man, not a coward like

you. A coward! Yes, a coward!

with defenseless men and weak women.

taunt a man at the triangles until I

wished the screaming wretch could get

loose and murder you, as you deserve.

You will be murdered one of these days,

Maurice Frere, take my word for it.

Men are flesh and blood, and flesh and

blood won't endure the torments you lay

seen her in the streets-have seen her

look the other way when I passed her-

ed her, that heard her say her baby pray-

in a hoarse voice, "or I'll do you a mis-chief. I know all you mean to do. I'm

quiet! Men have murdered women like

you, and now I know how they came

to do it. I'll do what you want, on one

"There is nothing in the bargain to

"Escape? He won't escape again, I'l

She put out her hand as if nothing

Getting into the cool street directly and seeing the calm stars shining, and

the placid water sleeping with a peace in

which he had no share, he strove to cast

The interview had frightened him, for it The interview had made him think.

The reader of the foregoing pages has

In the year 1825 there lived, at St.

Urban Purfoy. He was a hard-work-

ing man, and had amassed a little money,

education above the common in those

an empty-headed, strong-willed, preco-

religious sentiment. She courted noto-

never so happy as when she was misun-

derstood. She was the sort of girl of

whom women say, "It is a pity she has

no mother;" and men, "It is a pity she

does not get a husband;" and who say

to themselves, "When shall I have a

There was no lack of beings of this

latter class among the officers quartered

in Fort Royal and Fort Henry; but

the female population of the island was

numerous, and, in the embarrassment of

riches, Sarah was overlooked. Though

she adored the soldlery, her first lover

The object of her affections was one

Mr. Lionel Crofton. Crofton was tall,

well made, and with an insinuating ad-

marked for beauty. His eyes were the

best part of his face, and, like his hair,

they were jet black. He had broad

shoulders, sinewy limbs and small hands

and feet. His head was round and well

shaped, but it bulged a little over the

ears, which were singularly small, but

lay close to his head. With this man,

parely four years older than herself,

Sarah, at seventeen, fell violently in

love. Touched by her affection, and rat

ing her intelligence and unscrupulousness

at their true value, he told her who he

was. He was a swindler, a forger and

thief, and his name was John Rex.

When she heard this, she experienced a

plots, his tricks, his escapes, his vil-

lainles; and seeing how for years this

young man had preyed upon the world,

which had deceived and disowned her,

her heart went out to him. "I am glad you found me," she said. "Two heads

are better than one. We will work to

Working through many channels, and

never omitting to assist a fellow worker

when in distress, John Rex, in a few

years, and in a most prosaic, business

way, became the head of a society of

Under the names of Mr. and Mrs.

sinister delight. He told her of

His features were too strongly

was a civillan.

dress.

ruffians.

She

cions girl, with big brown eyes.

oubtless asked himself, "What is

off the nervous fear that was on him

Once get him in double-irons at

"Good night, Captain

revent me helping him to escape?"

Port Arthur, and he's safe enough.

Frere. It's a bargain, then?"

not such a fool as not to see that.

"What?"

had happened.

"A bargain.

and Sarah Purfoy?

knew what I know. Shudder!

"There, that'll do," says Frere, grow-

palm of the other with a rough laugh.

Not so very many years ago."

roughly, pursing his lips with a sullen

do me a favor, a very great favor;

"What do

CHAPTER XVII.-(Continued.) ne of their dangerous brightness. "By the bye," said Vickers, "I sup-pose we shall have to get that fellow up Maurice Frere spoke first; he was anxious to bring his visit to as speedy

for the trial. We have to identify the "Can't you and I do that?" asked

"I am afraid not. I wouldn't like to wear to a man after five years. "We had better get up a few prisoners

who were at the harbor at the time," said Vickers, "I wouldn't let the villains slip through my fingers for anything. "And are the men at Port Arthur old

"Old convicts," returned Vickers. "It's throughout the Middle and Eastern taken the place of Macquarie Harbor. States. It was traced to the volcanic What excitement there will be among hem when the schooner goes down on Monday! Most of the prisoners of Quebec. Aug. 31, 1886, Charleston. lifers, you see, and a trip to Hobart S. C., was visited by a severe earth. Town is like a holiday to them."

'How distressing!"

"Never, except when they die," said Frere, with a laugh: "and then they are buried on the Island. Oh, it's a fine a day, he who spends one cent less place! You should come down with me than that is rich and growing richer, and have a look at it, Mr. Meekin. Pic-

living expenses to exceed his regular the conversation was taking, "how can

"I should much like to see it," said

whip and spur, and at the end of the with some official paper for the major, journey is ruin. A Cleveland bank clerk stared at the dainty clergyman, and who killed himself because he could rough Maurice laughed again. "Oh, it's not make good an embezzlement of a stunning climate," he cried; "and noth-\$2,300, was paying \$1,300 a year for ing to do. Just the place for you. There's abuse.

This agreeable chatter about scandal of himself, wife and three sons. Can and climate seemed a strange contrast anybody figure out-when a bank clerk to the graveyard island and the men has falled to do it-how this financial who were prisoners for life. Perhaps Do not I know you? I have seen you mpossibility can ever be accomplished? Sylvia thought so, for she struck a few Such debt as this man sank into is an chords, which, compelling the party, out inevitable and inexhaustible fountain of sheer politeness, to cease talking for of dishonesty. No man can long spend a moment, caused the conversation to more than be makes without being flag, and hinted to Mr. Meekin that it

"What a ridiculous creature!" The head of a suicide club seeks beg or steal. Nothing is easier than to said she. "Bless the man, with his clear debts by borrowing, particularly gloves and his umbrella, and his hair ing paler. "Don't excite yourself. "My dear Sylvia," said Vickers, seri-

> of our national weaknesses. From gay "Oh, I know," said Sylvia; "but then, neckties to costly jewels, and from au- a clergyman can talk like a man, can't

> always lead to death of the body. But vagabonds, you little puss," said Vickers, it does always lead to the death of kissing her. "I suppose I must let him

Maurice Frere, with suddenly crim soned face, accepted the proffered caress, and then turned away to the window. "I am not half good enough for you," he cried, with sudden vehemence.

"It's my happiness that you've got gance in home and sordid meanness in to think of, Captain Bruin," said the it. And happy is the man who dwells girl. "You've saved my life, haven't you? and I should be wicked if I didn't love you! No, no more kisses," she added, putting out her hand. "Come, papa, it's cool now; let's walk in the garden. and leave Maurice to think of his own

nworthiness." Maurice watched the retreating pair with a puzzled expression. "She always leaves me for her father," he said to himself. "I wonder if she really loves or if it's only gratitude, after all?" He had often asked himself the same question during the five years of his

wooing, but he had never satisfactorily

## CHAPTER XVIII.

answered it.

The evening passed as it had passed a hundred times before. Captain Frere's home was a cottage on the New Town This shout has been heard a distance road, which he had occupied since his of twenty miles, and when the wind is appointment as assistant police magis favorable the sound will carry nearly trate, an appointment given to him as a connection warning every fifteen seconds, and servant had sat up for him, and, as he entered the man handed him a letter, so that the sound makes its way over bearing a superscription in a female "Who brought this?" asked Frere,

"The groom, sir. He said that there was a gentleman at The George the

"You needn't wait," said Frere to the appropriation of \$600,000 to build a man. "I shall have to go back again, Changing his forage cap Hatteras, that "graveyard of the At for a soft hat, and selecting a stick lantic," which is strewn with number from a miscellaneous collection in a less wrecks. But at a depth of 100 corner, he prepared to retrace his steps. feet the soil is still soft, loose sand, so "What does she want?" he asked him-

The George the Fourth was a long. Instead a new contrivance will be low house, situated in Elizabeth street. shortly set affoat there, held down by Its front was painted a dull red, and "mushroom" anchors. The instrument the narrow panes of glass in its winwill consist of two huge megaphones, dows, and the ostentatious affectation with a diaphragm to be vibrated by of red curtains and homely comfort gave to it a spurious appearance of English

Pushing open the side door. Frere en of the visitor, and ushered him upstairs. The room into which he was shown was large one. It had three windows looking into the street, and was handsomely furnished. The carpet was soft, the "I notice," said the veteran trout, candles were bright, and the supper tray gleamed invitingly from a table between the windows. As Frere entered, a little terrier ran barking to his feet. It was itor. The rustle of a silk dress behind

the terrier betrayed the presence of a woman; and Frere, rounding the promontory of an ottoman, found himself face to face with Sarah Purfoy. "Thank you for coming," she said.

"Pray sit down." This was the only greeting that pass. ed between them, and Frere sat down, Skinner, John Rex and Sarah Purfox in obedience to a motion of a plump hand that twinkled with rings. Eleven were living in quiet lodgings. Their years had dealt gently with this woman. landlady was a respectable, poor woman, and had a son who was a constable. This foot was as small and her hand as white as of yore. Her hair was plen-tiful and glossy, and har eyes had lost in to supper one night, he told his moth-

tack was to be made on a gang of coin ers, whose leader was named This she repeated to Sarah.

John Rex, eating his dinner more nerv usly than usual, ruminated on the li telligence, and thought it would be but wise to warn Green of his danger. Not that he cared much for Green person ally; but it was bad policy to miss do ing a good turn to a comrade, and, more over, Green, if captured, might wag his tongue too freely. But how to do it He went-and was captured. Sarah heard of the calamity, she set to work to help him. She collected all her money and jewels, paid Mrs. Skin rent, went to see Rex, and arranged his defense. Green, who came very near hanging, admitted that the man was an in a severe mood, transported him for

is, if it will not put you out of the Sarah Purfoy vowed that she would follow him. She was going as passenger, as emigrant, anything, when she saw Mrs. Vickers' advertisement for a "lady's Sarah, discovering this before the vessel the ground or fasten to the floor if of or two to keep up its maximum prohad been a week at sea, concerived the bold project of inciting a mutiny for the rescue of her lover. We know the refrom beneath her hand, "don't let us have all that stuff over again. Let old rescue of her lover. sult of that scheme, and the story of the times be old times, Sarah. What do you scoundrel's subsequent escape from Macquarie Harbor.

(To be continued.)

## GERANIUMS IN WINTER.

Recommended to Those Who Like Maurice brought one hand into the Blooms from January to June. All things considered, the geranium "Oh, that's it, is to? What a flat I is our best plant for winter growing. was not to think of it before! You want It blooms freely and constantly, in most instances, and adapts itself to She came close to him, and, in her who, as a habit, permits his regular to the plane, as if in protest to the turn earnestness, took his hand. "I want to the conditions prevailing in the ordinary living room more readily than al-Maurice Frere flung her off. "I tell most any other plant I have any you the man's as good as dead, for all I knowledge of. And it requires very

little care Its ability to take care of itself is one of the strong arguments in its favor, says a writer in Lippincott's, es pecially with the amateur who is distrustful of his skill in the management of plants that insist on having their peculiarities humored. It has little to boast of in the way of attractive follcoward! a coward! You are very brave age-though a plant well set with vigorous, healthy foilage is far from be ing unhandsome-but it has a right to pride itself on the beauty of its flow ers. Some of the scarlet varieties are so exceedingly brilliant that they actually seem to impart a feeling of warmth to the observer. The little child who declared that auntie's geraniums were "on fire" was conscious of this suggestion of heat in the intensity of color which characterizes some of the most richly colored sorts.

"I'll go to this girl you want to marry, and tell her all I know of you. I have Others are extremely delicate in color and int. Some are pure white. All have seen her gather up her muslin skirts the recently introduced varieties have when my silks touched her-I that nurslarge, wide petaled flowers, borne in tion A represents the shaft through saw will rest on its back, permitting trusses of good size, on long stalks. A which the foul air passes and B the the teeth to come above the edge of the ers-O, pity me! She would shudder at well-developed plant, symmetrical in shaft through which the fresh air en jaw to file. Bevel edge of boards. Now you if she would shudder at you if she She shape and properly furnished with fo- ters. would hate you! And I will tell her!
Ay, I will! You will be respectable,
will you? A model husband!" liage to serve as a background against which to display its blossoms effective ly, is a magnificent sight when in full Frere caught her by both wrists, and with all his strength forced her to her "Don't speak her name," he said, some persons sneer at the geranimum as being "common."

> All beauty is common in a sense. and I would as soon object to the sky and the sunshine because the beauty of them is for the enjoyment of everyne that everybody could grow and en joy. Any one can undertake the culture of the geranium with reasonable certainty of success who can give a good soil to grow in, water enough to keep it always moist at the roots, a sunny location and freedom from frost. Insects seldom attack it. It has a healthy constitution that gives it immunity from the diseases so common in most other plants, and it will reward you for the care it receives at your hands by making your window bright with bloom as few other plants can. Therefore you make no mistake in selecting it for your window gar

den. link which binds together John Rex But be sure to get plants that have not been allowed to bloom during the summer. Such plants have exhausted Heliers, Jersey, a watchmaker, named themselves, and, nine times out of ten they will insist on taking a rest dur ifficient to give his granddaughter an ing the winter months. The ideal gera nium for winter use is the plant which days. At sixteen, Sarah Purfoy was has been kept steadily growing during summer, but has had every bud re moved as soon as seen. Such a plant was brimful of vitality, and had little will bloom profusely from January to riety by eccentricities of dress, and was June.

> What They Missed. "Dem of Greeks must have been sporty people," said little Remus, as he studied his ancient history. "Dey pins each hold a small rope, encircling was always habin' contests ob all kinds.

> "Huh!" responded Uncle Jasper. "Dey wan't so much. Dey nebbeh had change distances. Tack strips lengtheny ple-eating contests."

Chip off the Old Block High Financier-My son, I am pain ed to hear that you are at the foot of

the class. Son-Why, pa, I judged from your testimony that it was proper not to know anything at all.-New York Sun.

Self-Education. Briggs-Bilter's daughter did very well in literature, didn't she? Griggs-Yes, indeed. I understand that she made money enough on her first novel to get berself an education.

-Life. Bobby's Version. "Say, Bobby," said little Bessie as

the stock reports, "what is a 'curbstone broker?" "Why, a broker that sells curbstones of course," elucidated Bobby.

"It's true, indeed," remarked Kwoter 'that 'one-half of the world doesn' know how the other half lives." "Perhaps, but they have their su

picions," replied Knox.—Philadelphia

A Noticeable Difference "After all." said the dissatisfied chorus singer, "what is the real differ ence between me and a prima donna?" "About \$980 a night," replied th

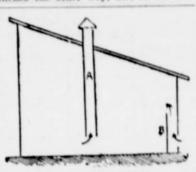
eminent manager.—Cleveland Plain

Where there is much pretension there is much deceit.-Addison.



Ventilation of Farm Buildings.

There are no small buildings on the boards so that it will be firm. Have it ductiveness. open at the top, of course, and make it three or four feet high. In the side plant, for it suffers from extreme heat, of it, next to the wall of the building and about a foot up from the floor cut out a piece so as to have an opening the width of the board and about six inches the other way, and in the side



PLAN OF VENTILATION.

of the building opposite this hole in the shaft cut a hole of corresponding size. Cover those two holes as well as the hole in the top of the shaft with wire netting so that no bird or small animal can get in.

This is the shaft by which the air Fasten this firmly at the roof end and saw, and mark around the hinges to

## No Remedy But Spraying.

Several nice-sounding schemes for bloom, notwithstanding the fact that getting the better of the San Jose scale have been suggested, some of them sincerely and some of them by frauds who had a powder of some kind for injection into the trunk of the tree One writer suggests that if inexpensive trees are planted around the orchard body, therefore "common," as to seek it is desired to protect, the scale will be kept off the more valuable trees. to disparage a flower because it was This is nonsense, and the plan will only the scale. Any fruit grower trying this easily. Fasten your jaw boards to plan on any considerable scale would these legs, from inside of jaws, with not only fall in accomplishing the desired results, but would, in some States, lay himself liable to prosecution for encouraging the pest. Up to this time no remedy for the San Jose scale has yet been discovered except spraying, and the laws on the saw.—Farm Progress, praying persistently and thoroughly season after season. As for the powder and other things that are to be njected into the trunk of the tree this is plainly fraud and unworthy a moment's consideration by any man of

#### Combined Roller and Marker, A neat attachment to a garden rol

ense.—Indianapolis News.

er is the following: Bore holes eight nches apart lengthwise and put in oins. To mark the garden make these



the roller by driving them into the holes beside the ends of the rope. More than one row of holes can be used to wise of the roller to mark places in row for setting plants.

#### Gang Plowing. Recent improvement in traction en-

gines and gang plows is making a great difference in the manner of breaking the soil on the larger level farms of the west. Some of the newer arrangements do the plowing and harrowing at one operation. Under certain conditions of soil and season a drill is hitched behind the harrow and a barrea field in the morning is seeded to quently continue their labors even when grain crop at night. Those of us who have carefully prepared a large acreage ready for seeding and got caught be fore drilling with a three-day rain storm will appreciate the advantages of she struggled over the long words in this manner of doing business. It has been frequently predicted that steam power for working the land could never be applied successfully to medium sized farms, but the problem is being simplified each year.—Farm, Field and Fire-

Seed Testing.

The bureau of plant industry is dog a good deal of seed testing this spring owing to the reports published regard to widespread adulteration. Special attention is given to testing amples of alfalfa seed for fodder. Many other seeds come in for careful examination as to purity but testing or germination does not receive so nuch attention. This is a branch of eed testing that can be better attendd to by the farmer himself and it is \*\*\*\*\*\*\* Interested in

Growing Black Raspberries The amateur who wishes to try berry growing will find the black raspberry a good plant to begin with. The raspberry is in all probability the most honest of berry growing plants. There is no waste, the berries are uniform in size, and as soon as gathered they are farm that cannot be amply ventilated ready for the table, or for preserving. associate of his, and the recorder, being by the simple plan here described. A plantation of this fruit, once establish a second of the simple plan here described. Generally such buildings are of the lished, should last six or eight years, single or sloping-roof sort so that the It will grow in almost any soil except plan can be carried out at small ex- a very stiff clay, or one that is so pense. In the rear of the house, near poorly drained that the water stands one corner, build an air shaft, made on the soil for some time before being maid," and answered it. It chanced that by joining at the edges four boards drained away. It is a heavy feeder, Rex was shipped in the Malabar, and about eight inches wide. Set this into so its soil must be fertilized every year

> A northern exposure is best for the and the direct rays of the sun, more than from extreme cold weather. A sloping ground is preferred to either the summit or base of a hill. The black raspberry is propagated by burying the tips of the canes about August. Simply dig a little hole with a spade, and bend the cane so that the tip will lay in the hole, then cover it with soil and press it down. The weight of the soil will usually hold the cane; if not a mall peg may be used. In the fall young plant with a mass of roots will have been formed. The old cane may be cut away and the young plants will be ready for setting out. In most cases it is well to let the young plants emain until spring before transplantng. Proper attention should be given pruning raspberries. Canes of the first season produce fruit the following season, but after bearing they may

### Hold Cross-Cut Saw to File.

Take two pieces of one-inch board (hard wood is best), wide as saw in widest place, and as long as the saw enters the building. Then build an between the handles. Shape the boards other shaft long enough to reach the with a "billy" like the cutting edge of floor up through the roof so that it saw. Lay your saw on one of these will come out through the roof a foot | boards with the teeth above the board or fifteen inches. The top of this shaft enough to file nicely, and straddle the must be capped so that the opening saw with a pair of six-inch strap will be protected from rain. The lower hinges, near the ends of the boards end is to be covered with wire netting. Now open the hinges and remove the with corner supports to the floor at show where to let them in the board the bottom. The plan is simple, easy the thickness of the hinge. Fasten to construct and works splendidly. It hinges to this board, and then to the is particularly good for ventilating other board in the same manner. Now poultry houses. In the plain illustra- you have a pair of jaws in which your get two legs for each board, of 2x4, or sticks from the woods, as I did, and



bevel to stand like legs of a sawhorse result in providing additional food for and long enough to stand up to file screws or wire nails. Fasten a strip across two of the legs at the bottom to put your foot on while filing to help to keep the horse steady. Put in your saw and pull out on the legs to tighten

# All potato growers admit that a soll

that is mellow and well-drained is absolutely essential for the best success in potato-growing; this is more than half the battle, and in this age of insects and bacterial diseases one cannot afford to grow potatoes for market unless he can supply the soil and the soil condition mentioned. The thorough preparation of the seedbed is also im portant, and the best growers prepare the soll as thoroughly as they would for wheat. First grade tubers for seed and then constant cultivation to keep the weeds down are the rest of the essentials in successful potato culture. In almost all sections, near large markets, potato-growing is exceedingly profitable, and the man with the soll should raise the tubers.

#### Notes for the Bee Keepers. Bees should have some pure drink-

ing water within easy reach. Bees, like men, are good-natured when they are making headway in providing for the future. This accounts for the different receptions given to an intruder at different times.

Beekeeping is an interesting scientific study aside from the pecuniary profit. There is no more entrancing pursuit when one becomes really interested in it, aside from its financial side.

Beehives are now so constructed that they may be opened and their contents removed or changed about and examined without materially interfering with the action of the bees. They frethe comb is held in the hand of the beekeeper.

Honey is always a ready seller and the price per pound averages anywhere from 12 to 20 cents, depending upon the locality and quality. A good hive of bees in the average locality will produce about seventy-five pounds of honey per year and pay 50 per cent on the investment of the first season. posted on beekeeping if you seek a pleasant and profitable occupation.

Any one who doubts that there is money in beekeeping need only look up statistics on the honey crop of the United States to find out what a great marketable article honey is. In the year 1900 the total amount of capital invested in bees in the United States was \$10,186,000. The returns from the national honey crop that same year were \$6,665,000, a dividend of 65 per cent on the amount invested. What other

crop pays this rate of luterest? It is claimed that a strong colony omething that every farmer should be of bees is the best preventive against moths.