

DR.JAKE ETC.

CHAPTER XXI.-Continued. "What is it?" she says, innocently.

and then something in the ardent to fight as he is to make love or eat gaze he bends upon her, causes Paul- a good meal, which is saying a deal ine to blush, the blood leaping to neck for the man, leave the house of the and forehead instantly. Dick never chief engineer. The mine is just at

tlement here, capable of doing his this particular section. duty; become my darling wife. Heaven knows I don't deserve you, Paulried at the mine.

His daring proposal almost takes tion. her breath away.

not known each other much more than a month," she gasps.

for years—that life was nothing be promises to be a tug of war. He fails fore you crossed my rath. Our com- to see the other, but notices that the moment for action has come, and the paratively brief acquaintance is no valid objection, my dear girl."

who deliberates is lost.

in a life time, and then it is an event of considerable importance," she of Vista to the capital. fers as a last excuse, which Dick, seeing victory near at hand, brushes aside as a mere bagatelle.

other people; we desire no show, and yet our love will last to the grave. It will assist your cause, your power here, to have a husband, and the man you have promised to wed will be only too delighted to assume the position of husband and guardian to the dearest girl on earth."

"Not so loud. Oh, Dick, if they should hear?"

'What of it?' he demands, stoutly. "No doubt honest Bob would only too willingly drop into line and follow a good example. Promise me, Pauline." "What are the terms?" she asks, demurely.

"Unconditional surrender. Let us be married to-morrow-it will be a Death broods over the camp, taking gala time at the mine, and I'm sure time by the forelock, and guessing less by aguardiente and hatred; be senses. all will rejoice with me. Do not say what a rich harvest awaits him. no. I entreat you."

that she has a legal protector may Dorado. tend to calm the rage of the Senor Lopez, and cause him to bring to a companiment to the hurricane of hu- Americanos!" close his strategic movements for gaining a possible centrol of the El Dorado mine.

"I consent," she whispers shyly, but love's ears are keen, and Dick hears; his face shows the great pleasure he feels, but the moment is hardly auspicious for what he would like to do, so he simply squeezes her hand. "Then to-morrow shall be a gala

day, if we get through the night," he

"You look for trouble?" she asks, quickly.

Well, it would be useless trying to disguise the fact from you, Pauline, useless and without reason, since you are so brave, and have so deep an interest in the matter. We do expect trouble, for they are all here, bag and baggage, from the greatest to the least, even little Professor John."

She smiles at mention of the name. and then her face becomes grave again, for she feels that the danger hovering over them is great.

Dick is asked many questions and succeeds in giving quite a succinct account of how matters stand. They are glad to have the assistance of the brave men who came with them on man passions that is about to break The cry, "Death to the Americans!" the trip, for, according to the way forth in the camp. things look they will need every hand they can raise.

ferent light from a man, and then entrance to the now deserted mine, seems to be filled with the cry: Pauline is enabled to offer suggestions and cluster around the house of the that strike Dick as something worth chief engineer and his lieutenants, remembering, and be consequently makes a note of them in his memory.

He has grown rather uneasy while talking, for the recapitulation of the in readiness just inside the passage, dangers attending their presence at and as soon as the affair begins they the mine has made him more than have orders to proceed at once to a ever alive to the emergency.

leave your agreeable company now, engaged with laying a mine with There is no need of saying we tear which Lopez intends to wreck the ourselves away, since you already mine in case his forces are defeated. know the fact."

"Go, and Heaven watch over you, Dick, my darling," she murmurs, turning away to hide the tears that spring unbidden to her eyes.

Bob understands what is wanted when his name is called, and that the summons is one to danger. He does not possess the same delicacy or bashfulness that prevents Dick from saluting his lady love with a farewell kiss, but catching the inimitable Dora in his arms, he gives her a sudden resounding smack that rather astonishes the girl and brings out a small scream.

"Oh, you wicked Bob!" she cries, trying to hide her blushing face, while the wretch actually laughs to witness her discomfiture.

Thus two bold warriors march out to meet the wily and unscrupulous foe, inspired to deeds of valor by the smiles of those they love. It is fated to be a great night at the mine, one never to be forgotten. Senor Lopez has marshaled his forces for one last desperate endeavor to gain possession. Perhaps he relies upon his influ ace with the Diaz administration to protect him, if the engagement gets to the press of the States. Only a garbled account of it will ever be allowed to go forth, at any rate, so that those across the border will never know the truth.

The soldiers are there only to protect the mine and its rich products from mauraders; they have no orders to take sides in any dispute that may this line, they are apt to find it a come up between the owners of the solid rock.

El Dorado: let them manage their family disputes to suit themselves. The Mexican soldiers will look on with unconcern, although in reality, no doubt, secretly sympathizing with

their fellow countrymen. Dick and his faithful comrade, goodnatured Bob Harlan, who is as ready saw her look so distractingly lovely. hand, and no doubt the stirring events They have a good padre in the set- about to take place will center around

It can be readly seen that there is something entirely out of the common ine, but you love me even as I do you; in prospect. Fires burn here and I have even gained your consent to there, men move briskly to and fro, naming an early day. Let us be mar- and loud voices ring out at intervals as knots of miners discuss the situa-

Dick looks around for Alexander, at the same time they themselves will "But—it is so very sudden—we have knowing that the chief engineer has only be dimly perceived. been at work while they enjoyed the society of the ladies, getting his men "I feel as though I had known you in trim for the coming struggle, which with a few exceptions-Mexicans on With a wooer's determination he one side, Americans and foreigners on pushes the question, and the woman the other. This looks like war, to a "I have no trousseau; I must make 1846-47, who is present, it revives old preparations, for you know the ordi- memories of the time when under he knows that those whom he adnary person only gets married once Taylor and Scott the Yankee troops dresses are Mexicans with but few exmarched from Monterey and Buena ceptions, and hence he delivers his

One thing is significant, liquor has appeared on the grounds in defiance of the mandate issued by the company "Hang the preparations-begging against its importation on their lands, your pardon, my dear Pauline; but and already a number of the Ameri- eyes. When all is over let not one of you understand that we are not like cans show plain evidence of having you dare say he did not understand imbibed too freely.

"You notice it, I see," says the voice of Alexander just at his elbow-"the greasers are becoming insolent-I expect an outbreak at any moment, and when it comes, look out for a scorcher. We're all prepared. I've carried out speak of bad business; there's blood on the moon at El Dorado Mine."

CHAPTER XXII.

"Stand Firm, Boys, and Be Ready!" heavy and oppressive, as though

She loves him, and after all, what of rumbling thunder, and occasionally essential difference does it make a distant electric flash is seen over group; his words are mere vaporings, and semi-solid foods, such as jelly, whether she becomes his wife in the rough peaks of the Sierra Madres, braggadocio. Onward-forward, and should be dissolved, when soluble, in twenty hours or as n-any days? Be- speaking of a storm that is passing strike a blow for Mexico! Push the sufficient water to make them thinly sides, as Dick has said the knowledge that way, perhaps heading toward El gringo hounds back! We will see liquid. Foods containing insoluble

roll of the mine through Lopez's influence-rush forward, doubtless thinking to take the few faithful henchmen of John Alexander by surprise, and at any rate carry them off their feet by the impetuosity of their advance. "Ready!" Here and there a gun-lock is heard to click, but the noise made by the advancing host effectually deadens all Dick has to a great extent managed to conceal the majority of his men, so

Louder grow the shouts and whoops

as the Mexicans, with a sprinkling of foreigners among them-the tough

element that has crept on to the pay-

that when the rioters advance, waving their torches and lanterns, and pre- ment officials belonging to the bureau pared to sweep the feeble resisting of chemistry, United States depart- and its compound with sodium (borax) force from their path, as chaff before

that may astonish them. The light grows apace-a peculiar glare it is, made by the smoking pineknots which many of the advancing men wave above their heads. It could not suit the purpose of Dick Denver better-his men can see the enemy almost as well as in the daylight, while

Now this excited rabble has pushed forward until its van is only some thirty feet from the spot where Dick and the chief engineer stand. The groups of men are strictly divided, same lusty voice that broke over Alameda on the occasion of the concert which ended in a duel between Barcelona and Dick, now rings out like a veteran of the Mexican struggle in clarion above the noise of the rabble.

Again Dick speaks in Spanish, for message in the tongue they understand best, so there can be no misconstruction of his words

"Halt! men of the El Dorado. You must go into this business with open what it was about. This mine is controlled by a majority of shares, and the minority wish to illegally gain The housewife finds herself constant-Disperse and save yourselves."

which he gave utterance, strike con- avail. So the housewife, by a few the red color to dark green or green-The very atmosphere has grown sternation to the hearts of many simple chemical tests, can broaden her among the advancing groups; but field of vision and detect many imothers are rendered furious and reck. purities that are not evident to the sides, the bull-like roar of the only DETECTION OF SALICYLIC ACID. One can hear the far away mutter and original Barcelona is now heard: The determination of salicylic acid



A Flash of Fire Runs Along the Line.

men at the most important points in ness of hatred, until the very atmos-A woman looks at things in a dif- his estimation; they guard the only phere, heavy from the coming storm, where the whole work will undoubtedly center.

A couple of men have been placed certain passage, and shoot down the "You will pardon us. Pauline, if we Mexicans whom they will find there Knowing every foot of the route, these two miners will be able to traa speedy doom.

learn: he has shrewdly employed a mell. man who is in the confidence of the Mexican senor, and yet at heart in his men, and not one fires a shot sympathy with the Americans.

noisy with the passage of each min- Nor do those who, under Colonel Bob, ute; sounds never before heard here hide behind an adjoining house, move come to the ear with the rising of the so much as a hand to disclose their human tide.

"It comes!" says Alexander, when the babel of tongues seems to be sud- they can see the whites of their foedenly concentrated into a great roar, men's eyes. that sweeps toward the spot where he and Dick are standing.

The other knows that what the chief engineer says is true; the discordant elements against which they are pitted have now combined to take the camp by storm. Lopez intends to rule or ruin. He has played every card in his hand but this last trump, which he hopes will sweep the board.

"Pass the word along-stand firm, boys, and be ready to give 'em a warm reception," the ex-horse-tamer says, quickly.

Now comes the benefit of their organization-every man knows his place, and immediately occupies it. the direction of the El Dorado. Per-When the hosts that fight under the rule or ruin banner sweep up against two factions are engaged with each

is their slogan-twoscore of voices Gradually Dick has gathered his roar it forth with all the vindictive-

"He has gone!" "They flee!"

"Push on, comrades!" "The mine is ours!"

Such are some of the wild shouts that break from the gang when Dick vanishes. They do not seem to understand that he has ducked out of sight because a gun sounds, and a bullet clips by within an inch of his head. Dick may be bold at times, but he

does not care to remain there and let

his enemies make a target out of him. At any rate, the shouts encourage verse it in the darkness, and the ras- those who are more timid, and with a cally conspirators will be apt to meet mighty rush the Lopez contingent hurls itself forward-there is a babel This is only one of the enemy's of rushing feet, loud shouts, strange plans of which Dick has managed to Mexican oaths, and on they come, pell-

Dick has given explicit directions to while the Mexicans are thus rushing El Dorado has been growing more down upon them, waiting for a sign. position. Like Prescott at Bunker Hill, the Americans hold their fire until

> It is a stirring scene—the surging, struggling crowd of fierce men swarthy of face and dressed in the fancy costume such as Mexicans delight to disport; the flaming torches. the line of rude intrenchments behind which crouch determined men who are there to meet the on-rushing tide and hurl it back-a picture that will speedily have another setting, for in five seconds Dick Denver must give the signal that launches forth the dogs of war.

The roll of thunder is heard in the distance; it sounds louder now, as

(To Be Continued.)

SIMPLE TESTS FOR CERTAIN FORMS OF FOOD ADULTERATION.

The Housewife May Determine the Purity of Various Articles in Common Use-Carefully Observe Precautions Given.

adulterated. Simple methods for the used in large quantities. teration are presented by two governthe wind, they will open a magazine chief division of foods; Burton J. How- products, such as sausage, butter and ard, chief microchemical laboratory.

Many manufacturers and dealers in of boric acid and borax, solids should of the proportion, of adulterants pres- and filtering through filter paper. ent. This is especially true of such articles as coffee, wine, salad oils,



TESTING MILK.

"Mind him not, men of the Lopez can best be made with liquids. Solid how they control our railroads and matter, such as jam, marmalade and At any rate, it seems a fitting ac- mines. Push on, I say! Muertas los sausage, may be macerated with water and strained through a piece of white cotton cloth. The maceration may be performed by rubbing in a teacup or other convenient vessel with

a heavy spoon. Salicylic acid is used for preserving fruit products of all kinds, including beverages. It is frequently sold by drug stores as fruit acid. Preserving owders consisitng entirely of cylic acid are often carried from house to house by agents. It may be detected as follows:

Between two and three ounces of the liquid obtained from the fruit products, as described above, are placed in a narrow bottle holding five ounces, about a quarter of a teaspoonful of cream of tartar (or, better, a few drops of sulphuric acid) is added, the mixture shaken for two or three minutes, and filtered into a second small bottle. Three or four tablespoonfuls of chloroform are added to the clear liquid in the second bottle and the liquids mixed by a somewhat vigorous rotary motion, poured into an ordinary glass tumbler and allowed to stand till the chloroform settles out in the bottom. Shaking is avoided, as it causes an emulsion which is difficult to break up. As much as possible of the chloroform layer (which now contains the salicylic acid) is removed (without any admixture of the aqueous liquid) by means of a medicine dropper and placed in a test tube or small bottle with about an equal amount of water and a small fragment -a little larger than a pinhead-of iron alum. The mixture is thoroughly shaken and allowed to stand till the chloroform again settles to the bottom. The presence of salicylic acid is then indicated by the purple color of the upper layer of liquid. DETECTION OF BENZOIC ACID.

Benzoic acid also is used for preserving fruit products. Extract the sample with chloroform as in the case



DETECTED BY THE SMELL.

form layer and place it in a white wrinkled cheeks, sobbed: saucer, or, better, in a plain glass dish. Set a basin of water—as warm as the hand can bear—on the outside window ledge and place the dish conclosing the window until the chlorothis manner the operation may be conducted with safety even by one who is not accustomed to handling chloromistakable irritating odor of benzoic acid may be obtained. This method poetry's lash.

We all hear a great deal about the | will detect benzoic acid in tomato poisons with which our daily food is catsup or other articles in which it is detection of some forms of food adul- DETECTION OF BORIC ACID AND

BORAX. Boric acid (also called boracic acid) sometimes milk. For the detection

foods have the ordinary senses so be macerated with a small amount of highly developed that by their aid water and strained through a white alone they can form an intelligent cotton cloth. The liquid obtained by opinion of the nature of a product, or treating solids in this manner is clariof the character, and sometimes even fied somewhat by thoroughly chilling In testing butter place a heaping teaspoonful of the sample in a teacup, flavoring extracts, butter and milk, add a couple of teaspoonfuls of hot water, and stand the cup in a vessel containing a little hot water until the butter is thoroughly melted. Mix the contents of the cup well by stirring with a teaspoon and set the cup with

the spoon in it in a cold place until the butter is solid. The spoon with the butter (which adheres to it) is now removed from the cup and the turbid liquid remaining strained through a white cotton cloth, or better, through filter paper. The liquid will not all pass through the cloth or filter paper, but a sufficient amount for the test may be secured readily. In testing milk for boric acid two or

three tablespoonfuls of milk are placed in a bottle with twice that amount of a solution of a teaspoonful of alum in a pint of water, shaken vigorously, and filtered through filter paper. Here again a clear or only slightly turbid liquid passes through the paper.

About a teaspoonful of the liquid control. We are in the right, backed ly submitting her purchases to this obtained by any one of the methods by the law, while you are trespassers test. Her broad experience develops mentioned above is placed in any dish, and subject to legal vengeance. Once her senses of taste and smell to a not metal, and five drops of hydrofor all I warn you that we are pre- high degree, and her discrimination is chloric (muriatic) acid added. A strip your orders, sir, for all the signs pared to defend our own-if you ad- often sharper and more accurate than of turmeric paper is now dipped into vance upon us it is at the peril of your she herself realizes. The manufacthe liquid and then held in a warm lives-we shall fire upon you, and it turer who has developed his natural place-near a stove or lamp-till dry is known how Americans can shoot senses most highly appreciates best If boric acid or borax was present the assistance or collaboration of the in the sample the turmeric paper be-His brave voice, his confident man- chemist, who can often come to his comes bright cherry red when dry. A ner, combined with the words to relief when his own powers do not drop of household ammonia changes



DETECTING BORIC ACID.

ish black. If too much hydrochloric case, however, ammonia changes the the acid solution.

Formaldehyde is the substance most commonly used for preserving milk and is rarely, if ever, added to any other food. Its use is inexcusable and especially objectionable in milk served process is necessary. to infants and invalids

To detect formaldehyde in milk three or four tablespoonfuls of the sample are placed in a teacup with at least an equal amount of strong hydrochloric acid and a piece of terric alum about as large as a pinhead, the liquids being mixed by a gentle rotary motion. The cup is then placed in a vessel of boiling water, no further heat being applied, and left for five minutes. At the end of this time, if formaldehyde be present, the mixture will be distinctly purple. If too much heat is applied, a muddy appearance is imparted to the contents of the cup Caution.-Great care must be exercised in working with hydrochloric acid, as it is strongly corrosive. It must not come operator nor with any metallic vessels and must be greatly diluted with water before it is poured into the sink.

POETRY TO PREVENT CRIME

Reading of "Casabianca" in Cleveland Workhouse Creates Fearful Scene.

Cleveland.-Will poetry deter crime and vagabondage? Parole Officer Crane, of the Cleveland workhouse, has every reason to think it will. He is experimenting with poetry as a deterrent. Sunday he locked 100 inmates of the workhouse in the assembly-room and read "Casabianca" to them. The scene was heart-rending. Several men, in frantic efforts to escape, threw themselves against the door only to fall, bruised and panting, but still faintly praying: "Let me out, let me out!'

Other persons, who have had no visible means of support for 20 years, aged, decrepit, crawled to Crane, and of salicylic acid; remove the chloro- with tears streaming down their

"Take, oh-take-me to the woodyard-I-will work. Anything rather than this.' Words fail to describe what haptaining the chloroform extract in it, pened when Mr. Crane recited "The

Burial of Sir John Moore." Shrieks of form has completely evaporated. In agony rent the air while the probation officer proudly mused. "Torquemada, Geronimo, what were your tortures compared to this." Mr.

form. In warm weather the vessel of Crane will read "I'm to Be Queen of warm water may, of course, be omit- the May" to the vagrants and hobos ted. Benzoic acid, if present in con- next Sunday. He is very confident that siderable amount, will now appear in those in the workhouse will never the dish in chracateristsic flat crys- make themselves liable to be sent tals. On warming the dish the un- there again and he hopes to drive all

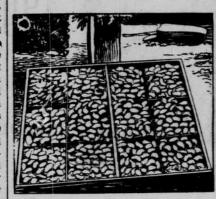


MARKETING LIMA BEANS.

Some of the Things to Remember in Order to Best Dispose of

the Crop.

August is the month for heavy production of lima beans. They continue to bear, however, till the first hari. ment of agriculture: W. D. Bigelow, are often used to preserve animal killing frost. The amount and length of profitable bearing depends largely upon keeping the vines picked clean and not allowing pods to get dead ripe, for the ripened seed of any kind takes most vital substance out of the plant and causes it to die. Besides the beans when not quite ripe bring the highest prices. The time to pick the pods is when they show faint traces of light green to yellow. After the pod be-



TRAY OF LIMA BEANS READY FOR MARKET.

comes yellow, the beans inside are ripe, turn white and are then considered "dry" beans. White ones mixed with the green damage the selling what this means. price from a few cents to half their value per quart.

On the market lima beans are sold by the quart, hence the best pack is the ordinary 16 or 24 quart berry crate. Real early beans often sell better in pint boxes, as the price is so high that customers of the retail stores do not want as many as a full quart. The peck market basket is another package used, six to ten quarts being put in each basket with a covering of green netting to enhance the greenness of the beans.

Many beans cannot be shipped in bulk, because they heat the easiest of all vegetables, and heating results in souring, sprouting, mildew, spotting and decay. Although itself green and full of water, the lima bean must be absolutely free from outside moisture when packed for shipment, says Farm, Field and Fireside. Nor must the package in any way get wet, or a total loss will result inside of 12 hours. A novice in the business often blames the express company or commission merchant for the spoiling of his goods and consequent bad returns, when it is his own fault in allowing the beans to be packed in a damp condition.

Shelling, as well as picking, must be done by hand. Shelling is the more tedious process. A good sheller can shell eight to 12 quarts per hour. One and a half to two cents per quart is usually the price for shelling, children most often doing the work, although the supervision of a competent grown person is necessary at all times.

If for any reason the beans after acid is used the turmeric paper may being shelled are damp, they should take on a brownish red color even in be placed for an hour or more before

SEEDING PASTURES.

How One Man Handled His Land After Prairie Grasses Had Been Fed Out.

My experience is not very exten-

prairie pasture after the prairie grasses had been fed out, with one part timothy, one part red top and one part blue grass. I found that the timothy and blue grass took good on the high ground and the red top took hast on the low ground. I found, too. that after about three years the blue grass had crowded everything else out, even the weeds to a cerain extent. It takes blue grass about two years to get a good start. But the red top did fine on low ground the first year. If I were going to seed a pasture for cattle, horses and sheep, especially if the land had been under cultivation, I should sow two parts red clover, one part timothy and one part blue grass, and on low lands I would put one part timothy and one part red top, for the reason red top does best on low ground. I find in my pastures on the high, dry knolls that in June and July, when the weather is dry and the sun is hot, these knolls dry out and give little or no feed, hence my reason for sowing red top on the strike him as it is drawn from the for stock during the dryest part of ground. the season, and, too, there is always a heavy growth around the sloughs or low places that make fine grazing during the winter months when it is not covered with snow. Now, continues the correspondent of Farmers' Review, my reason for sowing timothy and clover is that the clover helps to shade the timothy and blue grass after also helps to fill out the stand until the timothy and blue grass get a good

Keep the Lawn Cut.

A well-kept lawn, no matter if it is not large, with ample shade, clumps of to have them at different timeswell-kept flower beds, with a modest but attractive dwelling intelligently view, not only adds dollars to the not the case. value of the farm, but satisfy the in-

TILE DRAINAGE.

Six Distinct Benefits to Be Derived When Dealing with Clayey Soils.

The benefits of tile drainage, or tiling, as it is commonly called, are most pronounced in clay or clay loam soils. and especially so when these lands are nearly level, although clay lands if rolling enough to quickly run off all water falling on them, are neverthe-

less greatly helped by tiling. Let us confine our thoughts to these rolling clay soils. If there are six distinct benefits in tiling these, there cannot be less on level lands.

First-If these rolling lands are well tiled they may be worked quickly after a hard rain, much time saved and better crops secured. The land will never bake, but will be pliable and easily

tended. Second-In seasons of drought the crops do not suffer when properly cultivated, as the moisture rising from

the lowered water table is sufficient. Third-In seasons of excessive rain the fertility is not washed off the land, but enters at once into the loose, open soil, where the fertility is left while all surplus water descends to the

Fourth-As the water finds a quick way to the tile anywhere on properly drained land, the air will follow, and this means that various elements in the soil will be oxygenized and fitted for plant food. In other words, it fertilizes the soil, and puts the fertility where we can so well put it, just where the roots of the plant can best find it.

Fifth-Tiled soil is much and the surface is some ten degrees warmer during the growing season: This lengthens the season at both ends and makes intensive farming easy.

Sixth-The fertility you put on tiled land is more productive. You never need fail in getting a good seeding of clover on such land, and we all know

These are positive benefits, and I have not named all.

SMUT GRASS.

Species Which Originated in India, and Which Is Evidently Valuable for Forage.

This grass originated in India, but has now been carried to many other lands. It is found quite abundantly in the southern states. It is called smut



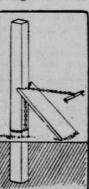
SMUT GRASS (SPOROBULUS INDI-

the absence of boric acid. In this packing on a clean cloth, or some grass from the fact that its heads beother clean, absorbing substance, in come covered with a blackish smut color to brown just as it does turmeric the open air-but not in the sun. This after flowering. It grows luxuriantly paper which has not been dipped into is to dry the outer surfaces. They on uncultivated lands, and cattle and should be spread not more than an horses eat it with evident relish. To DETECTION OF FORMALDEHYDE | inch deep and rolled from side to side | all appearances, says the Farmers' Reevery few minutes to secure even dry- view, it is a valuable grass. All parts ing. The cloth will absorb a part of of the plant are pliant and succulent. the moisture and the air the rest. If it is closely pastured it sprouts Usually, however, no such drying again quickly and has a long growing season, lasting from May till the coming of heavy frosts. It usually grows in low and small tufts. As yet it has not been largely cultivated, but scientists express the belief that it may become very valuable under cultiva-

FOR PULLING OLD POSTS.

sive but I will say that I seeded a Simple, But Effective Device Which Can Be Rigged Up in a Few Minutes.

A simple, yet effective, device for pulling old fence posts is shown in The sketch. By hitching one or



tion.

two horses to the chain and placing a brace solidly in the ground, almost any post may be drawn with little difficulty. Place a stone or stake under the lower end of the brace if the ground is soft. This may be replaced by a timher if many posts are to be drawn.

The Farm and Home cautions the user to be sure to hitch the horse far enough away so that the post will not

BITS ABOUT THINGS

Time to decide whether you will use Bordeaux on the potatoes. Honestly grade your berries and you

can make your own price. Didst ever notice that the corn plants are tougher in the afternoon the harvest has been taken off, and it than in the morning? Safer to culti vate then. Fact.

> If your grocer won't pay a fancy price for fancy berries send them to some other market where they will be appreciated. Plant early and late varieties so as

hydrangeas and other shrubbery, and bunch beans for early use and pole beans for late. Many people think that the tip and

placed in the midst thereof, and the butt kernels must be planted to insure parn and hog house set well out of the filling out of the ears, but such is There is no need of having hard

nate yearning of the wife, and compel hoing if the ground was properly prethe school-bred boy and girl to consid- pared before planting, and the hoeing the criminal and lazy out of town with | er home the finest place on earth. | is not put off too long after the plants