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tive.

it.

with her fingers.

The result is almost immediate-it

Aghast, Pauline Westerly sees this,

then she puts a trembling hand over

her eyes as if to shut out the awful

is alarming. She can see the terrible

before the action of the fluid.

CHAPTER III-Continued. "The time is now, Miss Westerly," says the other, and Pauline is surprised at her beauty when blushes creep over her cheeks, forehead and neck, while at the same time she feels an uneasiness in the presence of this in her heart she came to the Grand Castilian girl, who somehow reminds Continnental on this lovely fall day, her of a beautiful tigress, purring, and determined that if the New York girl with sheathed claws, yet ready to make a terrible spring, if suddenly refused to give up the man whom she aroused, when lightning can flash from so desperately loved, she would forthose wonderful eyes, and the little ever destroy the face that attracted hands strike with fury.

\$

Pauline is impressed by the girl's earnestness.

"Tell me how I can return the favor, I beg," Pauline hastens to say, at the same time wondering why she should shiver so, as though a cold draught had crept in at the window.

"Pardon, senorita; you will think me indelicate; but you have seen some- a test will decide that matter beyond thing of Mexico, and you know her a preadventure. women are impulsive, fierce in their loves, and yet true as steel. You won- for even cloth cannot hold out against der what this has to do with the favor its power. She takes up a jacket-I am about to ask. I will not hedge it what matters its possible loss to one with mystery-I love a man, one of who can afford as many as she your countrymen-I have known him pleases? She deliberately spills some for years-he saved my life, and I once of the liquid on it, being exceedingly kept death from claiming him. We are careful not to let it come in contact united by the bonds of heaven, since what I saved must belong to me. He has met you-I fear he has been attracted to you-something within tells acid destroy the threads in the cloth, me you must prove my evil geniusthat I shall hate you when I would love you. Give him up, dear senorita -see, on my knees I ask it-Dick Denver belongs to me alone-he is mine!

Pauline Westerly is shocked, both sight. "Yes, she came here with a fury in by the abandoned attitude of the beautiful Mexican on her knees and the her heart-came here to forever de-



DODA TELLS THE STORY OF THE DOEL

words she speaks; thank heaven it | stroy my looks and make me a hideous has not gone so far that she is in love deformity upon the earth. Heaven was and to put on the market in two with the hero of her last night's ad- kind to drop mercy into her soul, to

seen, you ridiculous Dora, that sends you home in this shuddering heap, to augh and moan as though out of your mind?" The girl nods her head and catches

her breath. "Oh! it was too comical-I knew I

shall die laughing yet. On his kneesthat wretched professor-"What! has he proposed - that

tightly corked, and containing liquid. strange little man?" "Could the Mexican girl have "Proposed ?? Shame, Miss Pauline, dropped it?" is the question she asks, I never hinted at such a thing. They and knowing it was not on the floor bewere both on their knees, he and the fore the Senorita Juanita came in, brave Colonel Bob." she mentally answers in the affirma-"At the confessional - and

augh! I am amazed, distressed." Then a dreadful suspicion flashes "No, no, you are wrong. It was in into her mind-what was it the jealthe most secluded spot of the Bois de ous girl said just before going-"keep Bologne, among the trees-several othyour beauty, Pauline Westerly-it is ers stood around-oh! it was too ridic-Heaven given"-then with a madness ulous-I never laughed so in my life, and to think I had to keep quiet. And then the end, it was so thrilling, so dramatic!"

"What end? Dora, you wretched who owned the great El Dorado mine girl, don't you see you are killing me by inches with curiosity. I demand to know what all this means? What have him, and make a hideous deformity of the professor and Colonel Bob been up to? Pauline feels weak-still holding the

"Only fighting a duel, Miss Pauline." little vial, upon which her startled "A duel!-and over you, Dora?" eves are glued, she sinks into a chair "I suppose so," demurely; "but it After a little she recovers some of her was only a farce, after all. That comwonderful nerve-perhaps this awful ical Colonel Bob arranged it to give suspicion is unjust-it may be smellme some enjoyment. But Professor ing-salts or ammonia for a headache-John was in deadly earnest. I really felt sorry for him." and the girl gives a long drawn sigh to illustrate the If it be vitriol she will soon know it, depth of her sympathy.

"Go on-tell me all. When it comes to duels among your admirers, I think we have reached a point where it would be well to call a halt."

"It was all on account of last night -the two gentlemen saw me homethe professor assaulted the colonel outside the hotel and was punished. He sent a challenge. Colonel Bob looks on him as a big dog would on a small

one-he did not wish to hurt him, almost as fire might-they are actualthough determined to give the Briton ly eaten-they wither up, disappear full satisfaction.

(To be continued.)

SAFE ITEM TO KEEP STANDING Book Notice Sure to Be Very Near

the Truth. An interesting story that bears on

the prodigality of Robert W. Chambers' literary output was narrated in a New York club the other day. the play ran some ten days. "Our literary page comes out on Fridays,' said the night editor of a newspaper, "and on Thursday night, long after the literary editor had gone home, the make-up man rushed up

to me and said: "'Look here, there's about an inch to be filled on the literary page, and no more book stuff set up. What shall

I do?" "Our literary editor was very particular that no miscellany ever should appear on his page. He insisted on its being a book page purely. So, in this dilemma the make-up man and I stood and racked our brains trying to think of some three-line literary item to add to the department.

In the midst of our trouble a young compositor turned from the keyboard of his clicking machine. "'Look here, sir,' he said, 'you

won't make any mistake if you run in something about another acsorbing

novel from the pen of Robert W. Chambers rapidly nearing completion,

The Safest Place.

Charlie's Gallantry.

eeks.



Tactful Clyde Fitch.

Mme. Bernhardt's management announces that during her supplement- will be then comparatively small. always ready to give him fully swing in staging a plan, and their reluctance ary season in New York in the spring may be understood in view of the ex-Kyrle Bellew will appear with her as pense it involves. Three thousand dol-Armand in "Camille."

lars was spent on "Major Andre" be-Melville B. Raymond has signed a fore the first night merely in rehearsfive years contract with Williams & ing the company and the scenery, and Walker, and will present the colored comedians in "Abyssinia.' The tour But for the most part, the expense is will begin in February.

amply justified. Many an actor has to Mme. Bertha Kalich, the Yiddish thank Mr. Fitch for a strong lift-up actress, as an English speaking star has made a favorable impression in | He says: "When vetches, peas, beans on the way to success. Sometimes he New York in the title role of Maeterfinds it necessary to build better than his actors know. On one occasion a linck's "Monna Vanna" at Mr. Fiske's theater. minor actress, to whom he had given a

low comedy character part, came to Rehearsals of "Princess Beggar." him for preliminary instructions. "I the new opera by Alfred Robyns and don't understand this part." she said. Edward Paulton, in which Paula Ed-"Shall I play it broad comedy, or shall wards is to star under direction of the Shuberts, have begun at the New York | ward the free nitrogen of the atmos-Casino. What Mr. Fitch wanted was an air of vulgar affectation, and he had se-

Olga Nethersole has secured the American and English rights to Paul lected the actress because this was Hervieu's new drama, "Le Reveil" (The Awakening). She will present tell her so. "Play it refined," he said, the play in New York in April, accordwith one of his quick inspirations. The actress was delighted in at last ing to present plans.

The company in support of McInattaining high comedy, and threw her tyre and Heath, who will play "The soul into the part. Her performance was convulsing beyond Mr. Fitch's Ham Tree," includes W. C. Fields, known as the "tramp juggler"; Fredhopes. She was mystified, but not eric Bowers, Miss Tobyna Howland disappointed, for it was obviously the and Miss Carolyn Gordon.

"When the history of theatrical loy-

acter portrayals.

York.



Sugar Beets.

Many of our farmers can add greatly to the value of their farms by growing a small area of sugar beets for use on the farm. Nearly all farm animals are very fond of sugar beets. Cattle thrive on them as do hogs and poultry. The large amount of sugar in them makes them very palatable. If they are grown only for home use, much of the labor usually attendant on the growing of sugar beets is avoided. When they are grown for factory use it is necessary that a great deal of labor be put upon them in the way of thinning and topping to produce a beet not too small and not too large. In producing beets for factory use also it is necessary to have a variety that will grow largely under the ground. But when these beets are produced for use on the farm it is not at all necessary to be careful as to variety, or whether they are grown both above the ground or under the ground. Some of the varieties of sugar beets, on good soil, will project 3 or 4 inches above the ground. The man that is going to sow a small patch of beets should secure the seed as early in the winter as possible and

test the germinating power, that he may be able to form some conception of how much he needs to sow to get a fair stand. He should buy enough seed so that he can sow it in a row and get a compact stand, which will give a compact mass of foliage. This in turn shades the ground, helps the nitrifying bacteria and keeps the weeds from growing. It leaves space between the rows free for the passage of the horse cultivator. In the fall these beets will prove to be very valuable, whatever way they are used. The amount of work put upon them

How the Pea Feeds.

Thomas C. Wallace, treating of the feeding habits of legumes, says in the Citrograph: There is an important consideration to be noted in connection with the growing of the pea which is strongly emphasized by Dr. Paul Wagner of the Experiment Research Station at Darmstadt, Hesse, Germany. clover and all leguminous plants have consumed the soluble nitrogen present

in the soil, then certain little microscopic fungi of the soil attach themselves to the roots of these plants and cause little warty nodules to form upon them, and from this time forpheric air takes part in the nourishing processes of the above mentioned plant. The plants henceforth grow in a most luxuriant manner and no tein content. The high protein con-longer languish for nitrogen." After tent of bran has made it the most discussing the question more fully Wagner continues: "How is it, you will now ask, that there are so many fields upon which clover, vetches, peas, etc., may be seen starving? How is it to be explained that the

alty and friendship is written," said a numerous kind of leguminosae of the to the cows in the winter season, with

Butter Bacteria Until recently it was not recognized that bacteria played a very serious role in the dairy industry. Our butter flavors are due entirely to the development of bacteria. There is not one kind of bacteria in a lot of butter, but many kinds. These kinds differ in stage of multiplication. It so happens that one kind of bacteria may be in butter one day in very large numbers, while a week after another kind may have increased so much more rapidly than the first that the flavor of the butter seems to be entirely changed. This has been a source of much trouble to judges of butter. They have found that butter scored high two days after having been scored low a month from that time, even when kept in cold storage, while some other kind of butter that appeared to be poor at the time it was made developed a rich flavor a month after being stored. It is generally believed that butter made from perfectly clean milk develops better bacteria than that butter made from milk that is not clean.

The question is therefore one concerning the material out of which butter is manufactured. The matter of butter bacteria is such a serious one, much effort is being made to isolate the different kinds of bacteria, with the idea of propagating the best kind. Also some effort has been made to discover new and strange kinds of bacteria. One variety that was discovered in South America was brought to the United States and placed in the hands of Professor Conn of the Connecticut experiment station. This was named B41 and was soon sold commercially on the American market. This bacteria was propagated by putting it into milk that had been sterilized and all germs killed. In a very short time a few hundred bacteria placed in a can of sterile milk would produce 1,000,000. The milk was placed in bottles, sealed air tight and sold to people. The sale has now been going on for many years, and the creamery men in all parts of the country use B41. Butter bacteria are, however, produced numerously in clean milk. Keeping out dirt keeps out the undesirable varieties.

Bran.

One of the standard foods for dairy cows is bran. Bran is used as a standard for regulating the price of nearly all of the dairy foods upon the market. Bran carries about 15 per cent of protein, which makes it an exceedingly valuable feed. The men that sell gluten feed always regulate the price of their feed by the price of bran, figuring both upon the progeneral concentrated food throughout the dairy world. The American farmer will do well to use as much bran as possible. If he feeds corn stalks he must balance up the high starchy content of the corn stalks with bran. If yield of meadows is frequently so ex- he feeds corn whole he must do the ceptionally small, even when clover, same thing. The same is true of peas, beans, vetches and all the nearly every farm product that is fed sal the exception of clover hay and alfal this vast quantity of nitrogen?" (The fa. We have frequently heard Pro sor Henry of the Wisconsin station declare that it is an absurd thing for consin and Illinois to permit the bran from the Minneapolis flouring mills to be shipped past their doors to Chicago and New York and sent to Denmark to be made into butter to compete with the American butter in the English market. If the Danish farmer can pay the cost of transporting bran for fifteen hundred miles over land and 3,000 miles over the water and make butter, it certainly will pay the American farmer living in the midst of the wheat fields to buy the bran from

contract. The case has been pending Clyde Fitch, author of Miss Elliott's | ten years. new play, is said to be one of the most Lizzie B. Raymond, who was prom persistent and patient of authors at reinent on the vaudeville stage several hearsal, and the importance he gives years ago, has returned from an exto the details of life and the theater tended tour in England, and is playing redoubles the necessary expense of in New York. energy. Managers, however, are not

venture. At the same time she experiences once more that strange chill, though she collects herself and says, sarcastically: "Have no fear, Senorita Lopez-

Pauline Westerly has never yet seen the time when she would hear a word of love from another woman's hus- of Senor Manuel Lopez contemplated, band!"

The beautiful Mexican looks up in a startled way-various emotions chase across her olive face-then she says quickly:

"Ah! you mistake, Senorita Pauline -I am not his wife-I simply love him and had cause to believe he cared for me. I saved his life as he did mine, so I declare heaven meant us for each other. All I ask is your promise that you will not come between. Promise, senorita, that you will not let him love you; promise me that, and I shall bless you."

"Really, senorita, you ask too much. I invite an attachment from no man, but at the same time I shall not make myself ugly nor act in a ridiculous manner for the purpose of frightening a gentleman away. The probability is that I shall see Mr. Denver only once he cannot be a villain without my or twice more until I leave Paris for Mexico."

"He will follow you-my heart tells me he will follow you," she mutters.

"Can it be possible that with your beauty you have been unable to captivate him? Then try another plandiscover what he admires most in a woman, and let your nature partake of that virtue," says this wise young woman from Gotham, who little dreams that she thus advises a rival.

"I know, I know; I have heard him | rule. speak of what he admired in women. but I fear such virtues do not lie in my nature. I can try-I can begin now -you little know the fierce spirit I bered faces, and once more rides along have to quell-I shall win him, my king, or die!" she pants in her delirium, while the more composed Pauline looks on and marvels at the composition of such a hot-house flower.

"I thank you for what you have said. Senorita Westerlay; perhaps it gloom a figure come pitching into the may succeed. At any rate, I have learned a lesson. Listen to me now: if, in spite of all he turns to you, and you have not moved out of your path character. to win him, it is heaven's decree and Juanita Lopez will abide by it. Ah! those gentle words have done more than you suspect-more than subdued a rebellious spirit. I had looked for scorn; I came prepared for insults, but did not expect sympathy, advice, Keep your beauty, Pauline Westerly-it is

heaven given. . I am done; I leave you with a new hope in my heart, which, if it fades, will end life." She rises to her feet, looks once

nore with her grand orbs into Pauline's face, turns, and the door almost immediately hides her from the sight of the girl from Gotham, who has just nced a decided sensation and gone through with an adventure such s might befall one but a single time during a life.

Turning around, her foot touches object on the floor, something that rolls away under a chair-she

put a word into my mouth that touched her better sense. Poor child! what a nature-like a tropical plant. growing riotously without training. I will destroy all evidence of her intended crime-no one shall ever know

what a fearful thing the beautiful child came here to carry out, and only gave up at the last "

She proceeds to carefully hide the charming young lady who was Linacid and the ruined garment in the coln's direct descendant. I said to fireplace, where the evidence of a jealher, 'you can hardly understand how ous woman's terrible thought of venpleased I am to have met you. geance on a possible rival will be There is scarcely any man whose burned up and lost forever to the name is familiar to me whom world. honor as I honor the memory

Pauline Westerly wonders what manner of man Dick Denver may be has he deceived the Mexican girl with false promises? Miss Pauline means she had been very much surprised at to analyze his character when next my little speech. 'At home they never she sees him, and this will be in a say anything about grandpapa." few hours, as he has promised to call

during the evening. She is a judge of human nature, being gifted with rather extraordinary powers for discovering A city gentleman was recently invited down to the country for "a day what lies beneath the surface.

"I have never yet been deceivedreading it in his face, his eyes. The first impression I had was very favor-

ance, whose tip was generally reguable. We shall see in good time; but lated by the size of the bag. "Dear there was a secret hope deep down in me!" at last exclaimed the sportsman, my heart, that my king had come." She leans at the window, looking strong on the wing this year." out, and watching the night fall upon gay Paris. The gardens of the Tuileries lie below, with lights gleaming about a dozen times. 'E's a-follerin' here and there; the palace itself is a vou about. sir." virtual ruin, never having recovered

"Following me about? Nonsense! from the wreck brought about by mob Why should a bird do that?" "Well, sir," came the reply, "I dun-Pauline finds the scene very restful no, I'm sure, unless 'e's 'angin' 'round -somehow her thoughts go back over you for safety."-Tatler. the great sea-she sees well remem Fifth avenue. It is only a touch of that feeling of home sickness that attacks travelers periodically in foreign lands. She bravely recovers herself. was out and Charles opened the door. The door is suddenly burst open, and turning, Miss Pauline sees in the semiroom, a figure that should be her trim

"Yeth ma'am," said Charles, maid Dora, but which just at present The caller opened her card case bears but a small resemblance to that and as she withdrew the engraved card, a bit of tissue paper fluttered Miss Westerly lights the gas and

upon her.

sane.

down onto the steps. closes the door; then she surveys Dora Very grandly Charles picked it up in wonder. Has the girl suddenly and handed it to her, saying: "You taken leave of her senses? She sits have dropped one of your cigarette there alternately laughing and looking very sober, as different thoughts come papers, ma'am."

Dividing Speculator's Money. A young Philadelphia club man was "What in the world has happened Dora? Have some of the officers of a private asylum been chasing you? It strikes me you look like a fit subject over in New York recently, and hapened into John W. Gates' office, and for a house of detention for the inin conversation with Mr. Gates asked him for a tip on the market. The

"Oh! Miss Pauline-such a sight!" well-known financier and plunger an-swered him thus: "You young telgasps Dora, pressing with one hand upon the region where her heart lows had better keep out of the mar should be, but which some of her ket, as it will not do you any good. many miserable admirers declare to After you go out the senior be an aching void. of the firm comes in and asks how

"What do you mean?-have you much that young man is worth. Then been to a circus? I understand the some one says, 'Oh, about \$100,000.' Then the senior member says: 'Well, Cirque d'Imperatrice is still open on the Champs Elysees. What have you leave him about \$20,000.""

The recent revival of "The Merchant of Venice" in New York by E. Lincoln and His Conntrymen. H. Sothern and Julia Marlowe re-Sir Wemyss Reid wrote of Abraham quired a great deal of research as to Lincoln: "One must not blame Engproper costumes, wigs, and "make? lishmen too severely, however, for ups." Among other commentations

success of her career.

play it refined?"

their lack of appreciation of Lincoln. discovered by Mr. Sothern in exam-It is doubtful if even now he is appre ining all known opinions on the stagciated at his true worth by Americans ing of the play was a letter written in themselves. Some years ago I had the the early '80s by Edwin Booth, in pleasure of taking in to dinner a which he carefully described two

natural to her. But he could hardly

When John Drew Played Tubal.

Lew Fields is preparing another things-his interpretation of Shvlock and his idea of the physical appearelaborate production to follow "It Hap pened in Nordland." Irene Bentley, ance which the character Tubal should have.

The letter contains this sentence 'A clever actor in my company gave what to my mind is the most your grandfather.' The young lady intelligent idea of Tubal. He dressed opened her eyes in innocent amazehim in the gabardine of the Jew, but ment and confessed subsequently that most strikingly wore the hooked nose and red wig which history ascribes to Judas. That actor was John Drew, at this time a member of

the famous Daly stock company."

Tim Murphy's Loyalty. Tim Murphy has been a loyal patron

of the American playwright, and says in Paris at the Renaissance theater. with the birds." Whatever his powers in finance, his shooting was not he has always justified his confidence remarkable for its accuracy, to the and patronage. The comedian, after great disgust of the man in attendcreating the Hon. Mayerick Brander in the engagement will be "Carmen." Hoyt's "A Texas Steer." which he is to revive January 1, produced cometime in Paris in English. dies by Henry Guy Carlton and Her-'but the birds seem exceptionally bert Hall Dinslow; "The Carpetbagger," by Opie Read; "A Capitol Come-"Not all of 'em, sir," came the redy," by Paul Wilstach; "Two Men mark. "You've shot at the same bird and a Girl," by Frederick Paulding: "When a Man Marries," by A. C. Bishop, and "A Corner in Coffee," by the

Rev. Cyrus Townsend Brady and Owen Davis.

1.1.1	Personal	Mention.	To and
	CONTRACTOR OF THE OWNER	West of the second	1-121-P.S

"Did you ever sit down and figure yourself out? I did, and now I think Charles is a very observant boy. I'm a great fellow."-George Cohan Yesterday one of mamma's friends Wilton Lackaye, with his version of "Les Miserables," will continue on the came to the house to call. Mamma road until late in the season. "Mamma is not at home." he said. Robert Drouet has been engaged to "Will you please give her my card when she comes?" inquired the caller. Miss Dean," the next attraction at the penses? Madison Square, New York.

Miss Hattie Lorraine, a chorus girl in "The Rollicking Girl," is singing the leading woman's role in that play during Miss Hattie Williams' illness. Charles Frohman has engaged Mile. Yvette Guilbert to come again to America-this time with her concert company. She will arrive in February.

will present "Comin' Thro' the Rye." called a song play, at the Herald Square theater, New York, in January. Edwin Arden, who was selected to succeed E. J. Morgan in "The Prodigal Son," threw up his part the other day after a row with the stage man-

Joe Weber announces that he has named his newest production "Twid-dle-Twaddle." Edgar Smith has written the book and Maurice Levi the

> Miss Grace Reals was awarded a verdict of \$4,034 against F. C. Whitney by a New York jury for breach of ernment.

press agent the other evening, "it will ow nora have at their dispo begin with that of Otis Skinner and air is four-fifths nitrogen). The answer his manager. Joe Buckley. And," he to this question is not difficult; it is added sadly. "it will end there ' Mrs. Charles Walcot, since her re cent paralytic stroke, has gradually become so weak that there is no longer any hope of her ever returning to the stage. The venerable actress has been a great popular favorite in char-

who has been a star for several years is playing the leading feminine role Illinois and the adjoining states known as the partridge pea. It belongs to the order of sensitive plants and has their own wheat and feed it to their been considered of no particular value in agriculture. It has, however, been a strong ally of the farmer without the "The farmer suspecting it. Where the partridge peas are to be found growing wild the land when plowed will be found admirably adapted to the grow-

ing of cow peas. Many a man has sown cow peas and obtained a very meager return, while other men a few miles away have sown cow neas She will take with her her Herald on apparently the same land and have Square theater company. A feature of obtained enormous crops. It is only recently that the cause of this differwhich will be done then for the first ence has been learned. The nitrogen collecting bacteria on the roots of par-In a stage beauty contest conducted tridge peas are identical with those by a New York newspaper Miss Louise on the roots of cow peas. Therefore the man that had turned under a piece de Rigney won first honors, Miss of sod upon which wild partridge peak Edna May and Miss Bessie Wynn were were growing had a vast supply of the a tie for second place, and Miss Lotta minute vegetable forms that would cre Faust was fourth. The judges were ete nodules on the roots of cow peas. William M. Chase, the portrait paint-The cow pea must have the help of er; Jackson Gourand, Mme. Aimee bacteria or it cannot improve the soil Dupont, Miss Margaret Hubbard Ayer by increasing the nitrogen content .--

Farmers' Review. Joseph Murphy, actor, has announc ed his intention to renounce the stage,

which he has assisted in elevating for the past forty years. Dame Rumon has it, "Kerry Gow" will retire with "a bundle," variously estimated at a million "on or about." Figuring that he has retained ninety-five cents on every dollar he has succeeded in harplay the principal role in "The Lucky nessing up, what have been his ex-

and Julian Mitchell.

Charles Frohman has decided to make an elaborate production of "Jeanne D'Arc." This heroine, who has been seen in various dramatic guises the past century, will be given an entirely new sitting in the forthcoming production. Mr. Frohman will cast the crama from his large force of players. It is stated that his "Jeanne D'Arc" will not be the same version of the Maid of Orleans' exploits that is now being made for Beerbohm Tree.

"Custer's Last Fight" is the latest Hal Reid melodrama. The play is a portrayal of life in the early West. and the incidents leading up to Custer's fight with the Indians on the

Little Big Horn. The star of the organizatio , Montgomery Irving, imper-sonates "Buffalo Bill." The finale is Buffalo Bill's" historical duel with Yellow Mand," chief of the Cheve ation. A prominent feature is a hand of full-blooded Indians with their war ponies, who were loaned by the gov

simply to this effect-clover fields, al- the American farmer living in Wisfalfa, peas and vetch fields do not hunger for nitrogen, but for phosphoric acid, and, perhaps, also in cases for potash and lime. Nitrogen stands at their disposal in superfluous quantities. but they cannot take up and elaborate the nitrogen of the air so long as they are in want of phosphoric acid. Partridge Peas. There is a wild plant growing in

in Victor Herbert and Glen MacDonough's mythical musical play. Charlotte Walker, who was leading woman for James K. Hackett for several seasons and who has been appearing in the New York success, Prince Chap," has been engaged for the leading role in "As Ye Sow" for its run at the Garden theater in New Olga Nethersole has arranged for a spring season of fifteen performances

OWD COWS.

Draining Large Areas. The draining of large areas of land

calls for expert advice and superin tendence. The man that owns a small piece of land and has an outlet for his surplus water will find little trou ble perhaps in getting a drainage sys tem to work; but it is far otherwise with a large area, whether that area consist of a level plain or of hills. It is very easy to construct a drainage system that will not work well on the hills and that will not work at all on the level land. Expert advice and superintendence cost money, but they are worth money. A drainage system should be built to last; but if it is built unscientifically it may have to be partly torn out before it has been in the ground many years.

Hairiness of Clover.

The hairness of clover is the cause of much of the dust that is sometimes found in clover hay. It is possible that before many years we will have all kinds of clovers that are without hairiness. Some of the European clovers have not this hairiness they are being grown in the United States at the present time with the ides of developing kinds that shall not have this drawback. As yet little work has been done in the line of Don't Rush Milking.

On the American farm there is always a tendency to rush things. The American farmer generally lays out for himself a very large amount of work and then is in great haste to get through with it. Too often when the milker goes into the stable he has the same nervous haste that has been spurring him on in the doing of the other farm work. Nothing interferes more with the milk-giving of the cow than this nervousness. The big milker especially is almost always a nervous animal. This is especially true of the Jersey and the Guernsey. We have seen cows refuse to give any milk when a nervous milker sat down with a milk pail. Some cows have to be treated with a great deal of care to induce them to give down their milk. The milker should always be calm and quiet when he begins milking. He should assume that many cows will not stand the work of a rapid and excited milker.

Advance in Dairying.

Gradually dairying is becoming a very important factor in our agriculture. This is especially true of the rougher states, where general farming is carried on at a disadvantage The hoof of the cow is made for walk. ing on hillsides, and she finds the hillside pastures entirely to her liking. We see by a recent report that more than half of the Vermont farms de rive their chief income by the selling of dairy products. Taking the six New England states and the state of New York together, from 27 to 33 per cent of all the farms find dairying their mainstay. In New Jersey, Pennsylvania and Wisconsin, from 15 to 17 per cent of all the farms find their chief revenues in dairy products.

Disposition of Cows.

Cows differ as much in their disositions as human beings. Any farmer that has handled a large number of cows will have run across the stubborn cow, the affectionate cow, the notherly cow, and even the bossy cow. Some of these qualities are good and some are bad. A man should try to eliminate the bad qualities and encourage the development of the good ones in the selection of the cows for the continuation of his herd.

Will J. Block, the Chicago producer,