

L. M. GRIST'S SONS, Publishers.

A Samily Newspaper : For the Promotion of the Political, Social, Igricultural and Commercial Interests of the People.

TERMS \$2.00 A YEAR IN ADVANCE. SINGLE COPY, FIVE CENTS.

NO. 20.

YORKVILLE, S. C., FRIDAY, MARCH 10, 1911.



ESTABLISHED 1855.

ands behind his back. Novelized by FREDERIC R. TOOMBS From the Great Jimmy Play by ritatingly at Doyle. PAUL ARMSTRONG Valentine" Copyright, 1910, by American Press Association.

CHAPTER XIV-Continued.

"Oh. I'm to be arrested for this Jimmy Valentine, am I? The last time I was mistaken for him I was only emstreets in Chicago claim my acquaintance. You are really amusing, Mr. Doyle." The assistant cashier chuckled softly.

"So that's your game, eh?"

"No game that I can see." "I suppose you are going to deny

that Bill Avery called on you today?" Doyle watched the other intently to lessly to the metal legs of a stationary note the effect of this shot. But Val- washstand in the vice president's ofentine was entirely equal to the occasion.

"I do not know your friend Bill, Mr. Doyle," positively.

"No," exasperatedly, "Then a man with iron gray hair wearing a top hat this." He thrust back his coat and, and carrying a cane, did not get off a opening his vest revealed a shining train here today and come straight shield fastened on one of his suspendhere?"

"It is not possible for me to know how the men get here who call on me. Such a man as you describe, however, and instructed central to countermand did call on me. But that man's name was-er-er"- He crossed to his desk, paused, glanced perplexedly at Doyle chair close to the assistant cashier's and then reached to the telephone.

"I forget for the moment, but they likely will know outside. Hello! Do fit to refrain from your embarrassing you recall the name of the last man questions and innuendoes I am sure who called on me today? No, not Mr. Doyle; he's here now. Cronin, that's it. Thank you." He hung up the receiver. "Cronin," he added. "He came entine." in here a short time ago to negotiate

a loan.' "Cronin!" gasped Doyle. "So he's taken a new monaker, too, has he? I am your friend Jimmy Valentine." And he came to negotiate a loan from Banker Jimmy Valentine! Well, if that isn't rich! I do wish Warden Handler could be here today to hear you pull off this little stunt. I always told him you were too good for the safe breaking game. You ought to be an actor or a United States senator. You're wasting your time in this business.'

"I appreciate your compliments, but I really quite fail to understand you." Valentine spoke sharply. "Your attitude is trying my patience, Mr. Doyle. I am a very busy man, with large responsibilities, and as this conversation is entirely frivenous-frivolous, I time." say-I must regret to fully inform you

mistaken? No. It was Jimmy Valentine who stood before him, the same Jimmy that was wanted by the Masbarrassed by having a tough on the sachusetts authorities for that old and almost forgotten "job" in the savings bank of Springfield, Mass.-\$14,000 in currency taken on a Washington's He lunged forward, clutching Valenbirthday night and not a mark of an tine's right hand in his own, and jerkinstrument or of an explosive on the ed it across the desk. "Was it the left safe when next morning the doors wrist that was scarred?" he cried.

it possible, after all, that he had been

were found yawning open, the night watchman gagged and bound helpfice.

"Here, cut that out!" he cried, lung- Doyle let go his hand. ing forward at Valentine, awaiting a response to his call. "Don't bring any Doyle. He looked across the room to

of these locals in on a big job like the picture on the wall. He drew a er straps. Valentine bent over and inspected it very deliberately and very

closely. He turned to the telephone his call-all a mistake. The two men seated themselves, Doyle drawing a desk. "Very well, sir. Now if you can see

we may arrive at something." "Of course you know you will have

to prove that you are not Jimmy Val-"Pardon me, Mr. Doyle, if I set you right on a point of law," smiled Val-

entine. "You will have to prove that "But you won't make me," laughing onfidently. "No. To expedite matters I will con

ince you that I am not." "Please do, Jimmy." "Very well. Tell me how I may prove it."

"Very simply. I said goodby to you n a hotel one afternoon in Albany three years ago. You were fresh fron -Sing Sing prison."

"Am I to understand that I was prison, a prisoner?" VALENTINE SHUFFLED THE PAGES BACK. "'Doing a bit,' yes.'

"But I couldn't have been. I couldn't and stepped before the handsomel have been in two places at the same framed photograph once more. He

"Don't you realize," he said triumphantly, "that that is a very old fash-CARE OF FRUIT TREES. oned method of identification? Don't you know that since the introduction Full Direction as How to Spray and

The assistant cashier thrust his

was unmarked by any indication of a

"I don't know; I presume so,"

Doyle was silent. This last denoue

anything else. An idea came to him

ment disconcerted him more than had

He pushed back the cuff, but the

surface of the right wrist was as

smooth and as unbroken as the other.

"Anything else I can do for you?"

asked the assistant cashier calmly as

magnifying glass from his coat pocket

murmured

"By ----, that's funny!"

scar.

differently.

of a horsehair in sewing wounds What to Spray With. there is never a scar?" He smiled ir-

Miscellancons Reading.

Spray all fruit trees while in dormant stage which will be from No-As a reply the detective bent swiftvember to February inclusive. This ly across the desk, seized Valentine's spraying is with the lime-sulphur wash arm and drew his left hand toward and is made as follows: Put 15 gal-

lons water in large iron kettle and "Could an old scar be opened and bring to boiling point. Weigh out 16 sewed with horsehair and disappear?" lbs. flour or flowers of sulphur and pour he asked dazedly as he saw the wrist

enough water on it to make a thin paste. Now pour this in the kettle of boiling water and continue to boil. Weigh out 20 lbs, stone lime and put it

in the kettle of boiling water and sulphur. Keep the solution boiling vioand the other the afternoon. ently, not a slow simmer. If the solution begins to boil over, check it by pouring in a small amount of cold waresenting 6 o'clock in the morning and ter. Continue to boil until the color the tip of the other 6 o'clock in the afred color. This will require from 45 to 60 minutes of violent bolling. When described position toward the sun the changes to an olive green or to a dark described position toward the sun the this color is obtained add enough cold water to make fifty gallons of the whole mixture. Strain the mixture into the spray tank and apply while still judged by the hours nominally marked self is very inactive. Humus has been warm. A meal or flour sack makes a in mind. The hour divisions may be in the soil for hundreds of thousands good strainer. Cover every part of

the tree thoroughly, and any scale inquarter hours. sect, insect eggs or fungus disease spores on the trees will be killed. Spray all thin bark shade trees with the same substance as these scale in-

sects attack all thin bark trees, espe-noise fruit trees and maples. This not aware that the shape of the cat's cially fruit trees and maples. spraying positively must not be done before the leaves fall from the trees, nor after the buds begin to swell. This circular, but gradually it narrows uns the only spraying that need be done luring the winter. Directions For Spraying Apple or Pear left. As the day progresses it resumes

Trees.

The first spraying to be given apple and pear trees after the winter spray-3 o'clock in the afternoon. In Turkey it is common for the old folks to call peculiar criticisms considering that I ing with lime-sulphur wash should be the cat to their sides in order to asgiven just after the buds begin to certain the time. before the blossoms are out.

awell This spraying is to kill fungus spores As an illustration of how accurately and make the tree healthy. The spray solution to be used this time is Bortime can be measured by the shadow deaux mixture, which is made as fol-Put five pounds of copper sul-(bluestone) in a sack and susfirst week of January, 1911, where a pend it in a vessel containing 4 or 5 gallons water, preferably warm water. Let the bluestone barely be covered by water, as it will dissolve more rapidly this way than if allowed to rest on the steeple cast upon a photograph, which of stone lime and add enough water to make a thin liquid. Strain the two so-who had testified seeing the man be-made such statements as these I have bottom of the vessel. Slake five pounds Now, pour the two solutions tween 2 and 3 o'clock in the afternoon n a barrel, pouring both at same time while returning from church, after the A third person should stir the solution while it is being poured into the bar-rel. Now, add enough water to make 50 gallons and stir thoroughly. Be photograph was taken.

But from the angle formed by the shadow and the horizontal boards of sure that every twig and every portion of trunk and branches are covered. the church in the photograph Father The next spraying should be given Riggs, astronomer at Creighton unithe apple immediately after the blosversity, calculated the time the phodays after they fall. This spraying is for the purpose of holding in check the fungus diseases, and the codling moth fungus diseases, and the codling moth which is the common apple worm. The hour later than the witnesses had teshour later than the witnesses had tescodling moth lays her eggs in the alyx or blossom end of the apple just tified they met the prisoner. The tesabout the time the blossoms fall. timony given by the astronomer was About five days from this time the egg hatches into the worm and it imme-

3rd

4th

so concise and clear and the impossi-"No, not easily, and as Sing Sing sing across, over the face of the photo- the centre of the apple. About two the accused man at the scene of the

that his head be chopped off, a de-THE TRUTH ABOUT HUMUS. mand which is complied with without delay, for to tolerate an ill-crowing An Expert Agriculturist Makes Himself cock is to bring bad luck-so the na-Clear.

of misleading articles tives believe. Because It needs little experience to be able which have recently appeared in a to tell whether it be morning, noon, number of agricultural journals, inafternoon or near evening, by merely dicating that the teachings of the noting the position of the sun. The University of Illinois concerning the

noting the position of the sun. The University of Illinois concerning the and not the mere presence of it, that time is more accurately told by judg- subject of humus and plant food is gives 'life' to the soil. Partially debeing misunderstood and misstated, it cayed peat produces no such effect ing the shadows cast by the sun, which ing the shadows cast by the sun, which being misunderstood and missiated, it upon the productive power of the soil is the mode most popular with the seems only just to us and to all inter-as follows the use of farm manure or ested in the subject that a definite shepherds in the fields. statement be made regarding the mat-Still another method, more accurate,

is the following: They hold their ter. Thus, an article entitled "Humus thumbs touching each other horizontally, and extend the forefingers up and Hopkins," by H. F. Patterson, of perpendicularly. Then they divide the the Montana Agricultural college, in

thumb and forefinger of each hand the Dakota Farmer of January 15, 1911. contains alleged quotations said into six parts, nominal hour points to have been taken from a lecture one hand representing the morning which I am reported to have given at Bloomington, Illinois, including the Where the thumbs join being 12 o'clock, the tip of one forefinger rep- following:

"What is of very much more value than humus is decaying organic matter. It is the action you get in the process of making humus that is most valuable. It is decaying organic mat-

ter that is valuable. The humus itdivided into additional parts, as the of years, and will remain there yet." In another part of the country Professor W. F. Massey writes as fol-

lows, in the Southern Planter of January, 1911: "Professor Hopkins, of Illinois, is

portant, (2) that humus has no plant til noon, when only a narrow streak is food, but (3) that what we need is plant food."

I shall not discuss the point of peits normal shape, becoming oval about culiarity except to say that these are never gave any such lecture at Bloomington, and never made several of the statements credited to me by Patter-

son and Massey. Certainly I have never said "that humus is not importcast by the sun can be cited a trial in ant," and I have never said that the courts of Omaha, Neb., held in the mus has been in the soil for hundreds of the soil for hundreds of thousands of years." I may have first week of January, 1911, where a said that some of the humus still con-main was acquitted of the charge of tained in our worn soil has been there attempted murder through the alibit for hundreds of thousands of years: established by the shadow of a church is not readily available, and that humus is not the all-important thing in made such statements as these I have always in the same connection pointed

out the true value of humus. The following exact qu The following exact quotations might very properly be cited if it is desired to state the true position of our teaching regarding plant food, de-caying organic matter, and humus: Value of Farm Manure.

"It is one thing to say that farm manure has a value, but quite another

"The positive or intrinsic value of farm manure lies in the amount of valuable plant food which it contains. It also possesses an important, indirect value as a soil stimulant, due to its power as it ferments and decays, in contact with the soll, to liberate

ment in physical condition.

scientific investigations.

Why?

Why?

all-important.

"Nevertheless the

exact

from the soil plant food that would side. By the time the tug reached the prepared for. One report for one otherwise become available so sailer a heavy fog had closed in and One report. quickly. There is still another distinct value in farm manure due to the fact the lines of the windjammer could only

TO MEXICAN FRONTIER.

wenty Thousand Troops Ordered to Texas.

includes only that part of the organic matter that has passed the most active stage of decomposition and com-pletely lost the physical structure of Washington, March 7 .- The most the materials from which it is made extensive movement of troops and war and has thus become, as a rule, thor vessels ever executed in this country in oughly incorporated with the soil case. "It is the decay of organic matter, time of peace is now under way by order of the president as commander-inchief of the army and navy, the objec-

Humus

tive being the country north of the Mexican boundary and the waters of the two oceans at either end of it. lover residues." Twenty thousand soldiers, more than Regarding the value of humus, as

such. Professor Milton Whitney, chief of the United States Bureau of Soils, one-fourth of the army of the United States, of all arms of the service are makes the following statements on moving toward the Mexican boundary: page 16 of U. S. Farmers' Bulletin 257: "We have studied the office of hufour armored cruisers comprising the fifth division of the Atlantic fleet have

mus in the growth of plant. We have been ordered from northern waters to found that humus extracted from our the northern at Guantename the naval station at Guantanamo. cultivated soils is innocuous to the Cuba, and most of the Pacific is or plant. It is apparently neither benenor deleterious. icial Humus is shortly will be on its way to assemble very stable form of organic matter. If at San Pedro and San Diego, Cal., and emains in the soil for years. It may 2.000 marines are preparing to make be exposed to extremes of heat and

"The term humus is

nous with organic matter.

cold, but still the black color of a the Guan black soil will persist. It is much more stable than wood. It is into humus that wood or wood fibre is converted if it is incorporated in a White Ho the Guantanamo station their head-It was officially announced at the White House and at the war and navy finely-divided condition in the soil and departments today that the purpose of goes to an end product; that is, if it this great mobilization unprecedented goes into its most stable form. really believe that humus, next to save in war times, is the training of coal, is the most stable form of or officers and men under service condiganic matter that we know of, and if tions, and practice in co-operation of you think this over, you will agree the land and naval forces. Unusual with mo that when organic matter is converted into humus, it is as thorpains were taken by all officially conoughly preserved as any organic matcerned in the matter to give this color

er that we have in nature." Of course, this refers to the value to the sudden activity, but these statenothing if not peculiar. He now tells the farmers (1) that humus is not im-the farmers (2) that humus has no plant the farmers (1) that humus has no plant the farmer (1) t ments were accepted with increasing reserve. There have been many joint manoeuvres during past few years, but lime, further decay of this old hum is can be effected or hastened, and thus these have been planned far in advance and carried through without a ripple of excitement, or even of evi-

some plant food can be secured from true humus; but, as a rule, the use of farm manure or of legume crops as green manures will be more profitable, especially in systems of dence of interest at the White House. especially in systems of permanent soil improvement.—Cyril G. Hopkins, University of Illinois. steeped with mystery; the entire morning was given over to confer-

TOWBOAT AND WINDJAMMER.

mystery and the zealous efforts to Bargaining In the Old Days For a Line ness, lent a curious significance to the Into San Francisco Harbor. fact that Gen. Leonard Wood, chief of Towboating out of San Francisco in staff of the army, in an effort to elude he old days, when the white wings of interviews slipped out of one of the lofty ships appeared on the horizon in rear windows of the president's office steady procession, was a much more

thrilling and exacting game than it is and beat a masterly retreat through the secluded portions of the White now. House grounds to a rear entrance of In addition to exercising judgment the war department. and good seamanship the towboat skipper was called upon to do some The real significance of these activities which have been confined apparfine talking, much like the auctioneer ently to the last forty-eight hours of Freights were good and the shrewd less is thought to relate very directly owboat captain was not modest in he price he would demand for a tow. to the conditions in Mexico, and to the growing belief that the situation Many a skipper tore his hair and danced in rage on the poopdeck because he was compelled to give in to the de-

there is by no means so satisfactory as the Mexican government would have it believed to be. There are persistent mands of the Shylock on the towboat. reports that the physical condition of It was a nasty, thick morning in President Diaz has lately become such February a good many years ago when the lookout at Point Lobos reported a as to alarm his adherents and that big four masted American ship out- momentous developments are to be

Today the executive officers were

ences with officers of the war and

navy department. This atmosphere a

minimize the importance of the busi-

One report which was current here today was that the Pearson syndical heavily interested in enterprises in

northern Mexico, had appealed to the

British government for adequate pro-

eign interests in preparation for the

chaotic conditions which would almost

certainly follow any serious loss of

prestige to say nothing of the collapse

of the Diaz government. It was said

that the British ambassador had

taken up the question with the state

department here with the suggestion

that unless the United States took im-

and ability to protect foreign interests

tection of themselves and other for-

To tell the time by the cat's eye sounds at first humorous, but it can be done. The average person perhaps is

shadow cast by one forefinger upon the other will point to the correct time,

willing to do what any citizen should the detective. do to help apprehend a criminal, but I must ask you"-

"Oh, h-l, Valentine, do you think I've lost my eyesight? You're Jimmy be your man. If I was not"-Valentine, and that was Bill Avery who called on you. I guessed he knew where you were and had him watched



"GLAD TO KNOW YOU, MR. DOYLE."

and the first trip he made I followed Now, cut it out and declare yourself. Do you come, or do I get the first clippings about yourself you requisition papers and take you?" His ever saw in print. There-no, that's manner became as threatening as his 1907." Doyle came to him. Valentine words.

desist from insinuating that I am a criminal or I will cause the watchman to eject you from the bank. Further, I do not know that you are a detective. Your actions are those of a blackmailer-or"-

A clerk entered.

"Did you ring, sir?"

"Yes. Kindly remove that currency," cried Valentine, eying Doyle. "So many suspicious characters about in these hard times that one must always be careful of strange visitors, particularly in a banking office. The clerk cast an apprehensive

glance at Doyle, whose face had here. turned red with rage, and, seizing the tray, hurried toward the vault room with it.

"Take it out, take it out," commanded Valentine, waving his hand. "I shall take no chances. Now, Mr. Doyle, either show credentials to prove what you are or I shall telephone the po- said yourself that Sing Sing doesn't lice."

Doyle, amazed at the effrontery and daring assurance of Jimmy Valentine, fell back against the wall, his legs threatening to give way beneath his heavy body.

"In the name of Dan the Dip," he exclaimed helplessly, "if the crooks were all as slick as you, Jimmy, the jails would all be empty. You don't dare do it." Jimmy Valentine picked up the teleunhelievingly.

phone and, getting the central of the bank's exchange, ordered in no uncertain tones: "Get me police headquarters at

once. Doyle was further astounded by the readiness with which the baffling get you anything." Doyle was forcing young man before him had accepted the fighting now. He was certain that

that I must continue on my day's doesn't allow its boarders to go visiting graph, then wheeled about and faced work." He nodded toward the tray of I guess you were there. Now, think Jimmy Valentine. currency. "Believe me, I am perfectly hard and try to remember," advised

"Mr Doyle, there can be no chance of any deception in so open and shut that you will overlook my ungentlea matter. If I was in prison I must "You were in Sing Sing; committed on the 9th of February, 1906."

"February 9, 1906, I was in St. Paul. Minnesota, sir." returned Valentine

positively. "Well, the proof is finally up to ou.' "But my word," injuredly,

"Oh, you are going to talk me out of have ever made."

"But I can't get proof in an instant. Go up there and investigate." "No: it's too far, and don't forget ou were going to prove it."

Valentine now appeared to be dishere through thievery I shall be most oncerted. Doyle watched him curiusly. He did not underestimate the cleverness of the young man who had outwitted the veteran trackers of men me.' for years and whose escapades extend-"Oh, cut that! Don't worry about ed over half a continent. But he was

anxious for the next step in what he till I put the bracelets on the real considered a colossal attempt at deception.

CHAPTER XV.

Valentine broke the silence. "But to prove so important a matter so suddenly-on a second's notice-why, no man on earth can- Wait. If I happen to have that scrap book here; I brought it down one day, and if"-he opened a drawer-"here it is. Of course there may be nothing here on the exact date you mention." The last doubtfully.

"What's this?" "A scrap book. I suppose all people are the same about this little vanity, whimsically. "You doubtless cut out shuffled the pages back. "Well, that's

"You will do neither, and you will pretty close-that's in March, 1906. I made a speech that night. What was that date again?" "Well, by"-began Doyle, completely

onplused. "That was a pretty good speech, ommented Valentine, pointing to another clipping-"second one I ever

made. The first, what was that date-February what?" "Ninth." Doyle rose impatiently.

ine cutting edge. A kitchen knife "This is too good." put in Valentine. blade made from this material was in "Here, look here." He indicated the picture on the wall. "Who is that as use for two years without showing the big as life there? It's been staring us faintest sign of tarnishing. A razor both in the face ever since you've been in constant use for the same period

Doyle went to the photograph. "That a razor of steel. A small chisel, onewas on Feb. 9, 1906-why, yes, the fourth inch square, cut a twenty photographer even dated it."

penny wire nail in two without mar "Is this you?" Doyle pointed to ring the edge of the tool. of the figures in the group. "Well, look at it. If this Valentine was in prison that must be me. You

high rate of speed. In a test made allow boarders to go visiting." Doyle stepped back in front of Valentine's desk.

"You can alibi yourself into hell, Valentine, but you can't get away from that scar on your left wrist. Doyle had reserved this telling shot

for a critical moment. left "I never had a scar on my wrist," the other returned jubilantly. "Let's see," the detective snapped

"But that proves nothing." Valentine drew back as he spoke. He anpeared unwilling to permit Doyle to nake an examination of his wrist.

"Let me see, I tell you. It's got to he shown sooner or later. Dela; won't

closes up and all the spraying you can do will not reach the worm. This is "Mr. Randall," he said apologetical to spray soon after the

ly, "you must excuse my mistake-my The solution to be used this time is a most unfortunate mistake-and I trust combined insecticide-fungicide in or der that you may kill the fungus dis eases and the apple worm at the same manly manners. I now realize that I Use Bordeaux mixture with have been making insinuations against time. oz, paris green or three pounds ar an entirely innocent man. You of an entirely innocent man. You of senate of lead mixed with each barre course realize the difficulties of my of the Bordeaux. Mix the poisons profession-how in dealing with the with enough water to make a thin liquid and then add to the Bordeaux and brightest criminal brains in the world stir thoroughly before using. we cannot avoid making errors at The next spraying should be with the

times, but"-his face glowed pridesame substance and about three weeks "I will say in justice to myself that after the preceding spraying. The fourth spraying should be given three weeks after the third one and this is the first mistake of the kind I

with the same spray mixture. 5th "Quite true-quite true, I am sure About three weeks after the fourth spraying has been given the fifth one my dear sir," commented Jimmy Val should be given and with the same entine condescendingly. "I can see substance. 6th. Give the sixth spraythat you are exceptionally able in your ing with the same mixture and about weeks after the fifth has been line. Some day if we ever have a loss three

given If the above sprayings are given glad to recommend you to the direct-ors, and I am sorry that you feel so embarrassed at your error regarding erly cultivated, fertilized and pruned. If you think you cannot do much

spraving and are determined to omit some of those recommended, let it be me," said Doyle vengefully. "Wait the one just before the blossoms open results and the last one or two. The from spraying apple trees will not be Jimmy Valentine, then save your sym- at all satisfactory unless at least three pathy for him. He'll pay for this sprayings are given in addition to the winter spraying.

day's work. It's all through him that Directions For Spraying Peaches I made a sucker out of myself today,

Plums and Cherries. Mr. Randall, and when I get him he's Of course they should have the going to 'come through,' which means ter spraving of lime-sulphur. The 2nd confess." Doyle paused for breath and praying should be given just after concluded, "I'm on the biggest job of the blossoms fall with the self-boiled ne-sulphur and arsenate of my whole career, and when I finish it which is made as follows: I'll have the real Jimmy Valentine Put eight pounds of stone lime into sewed up in a little stone jug 6 by 8. without light or fresh air, and what to cover it. As soon as the lime begins he'll get to eat would make a pit bull to slake add 8 pounds of sulphur. Stir the mixture constantly and gradually

terrier turn vegetarian. (To be Continued.)

NEW METAL FOR TOOLS.

Stellite Cuts Ordinary Steel With Ap-

teel tools failed almost

parent Ease. A new metal for tools which will cut and not rust has been obtained by combining chromium and cobalt. Elwood Haynes, the inventor, calls the to fall from the tree. 3rd. alloy "stellite." In color it comes between silver and steel and when polshed shows a high lustre. It is both strong and elastic, forges readily at a ter third spraying, leaving out arsen read heat and can be bent at a right angle when cold if the dimensions do ith self-boiled lime-sulphur at inter

ot exceed one-fourth inch square. vals of two weeks until fruit is nearly Blades made from the alloy take a Directions For Spraying Grapes. . Spraying with Bordeaux-arsenate lead mixture just before bloom

Spray with plain Bordeaux after ruit has set. Repeat 2nd spraying every two showed no signs of wear, though it reweeks until fruit is three-fourths grown. After this give one or two sprayings with self-boiled lime-sulweeks until quired more frequent stropping than

L. A. Niven. phur. ODD WAYS OF TELLING TIME.

A lathe tool made from it with The Cock, the Sun and the Cat's Eye ome modifications was found capa-

the Clocks of Turkey. ble of cutting ordinary steel at a very

A watch or a clock was about as rare against high speed steel the stellite n Turkey fifty years ago as an aeroool cut a continuous shaving from plane is in America now. Even today he bar at the speed of 200 feet per in the smaller cities and villages a miuute, while the high speed timepiece in the house is a convenience instantly and luxury indulged in by a few of the The stellite alloy may be made wealthy class.

melting in a furnace of special contruction, operated by natural gas Nature is the clock of that land, lock which never stops or fails to de New photographs of Adelina Patt serve its purpose. The crow of the and the dowager Queen Alexandra o ock is the simplest, says Armenia England have just been published the sun the most dependable and con-

Patti is 67, and Alexandra is 66. He enient and the cat's eye the most difmajesty in speaking with the famou ficult and to Occidentals the most huprima donna is reported to have said norous of timepieces. we are two of the youngest women in The cock crows regularly morning England." Both pictures look as if the

prenoon, noon, afternoon and evening, subjects were women about 30 or 35. and serves the purpose of the striking

weeks after the blossoms fall the end crime the time it was alleged to have been committed was shown to be that it makes the soil more porous the reason why it is so very important so absolute that the accused man was to spray soon after the blossoms fall. acquitted.

CONCERNING EGGS.

Reflections By the Wife of a Cold Stor age Man.

The recent catastrophe in the egg packing business has reduced the egg men and their wives to such financial straits that some of them are turning to literature in the hope that it will help them buy their groceries. If they cannot sell their eggs at a profit, they hope, at least, to turn their troubles into literature and checks. The Tribune is in receipt of the following dissertation on "The Egg and Its Habits,"

by the "Wife of a Cold Storage Man. manure. Check goes forward herewith. "Lay not up for yourself eggs in cold storage, where moisture and age doth corrupt and where pure food laws

the soil; and yet the peat has as great power as farm manure for physical break through and squeal. mprovement of the soil. "When I met Tom it was a case o "Manure made from clover hay and eggs at first sight and ever since life heavy grain rations has much greater value than manure made from has been one grand omelet to me until straw. this winter, when the bottom dropped

the physical conditions of the soil in out of the case. During the late undifferent ways? No. The great difference in value is due to the differpleasantness Tom, to use his own ence in plant food and in rapidity of words, 'got it in the volk, and then decay. some.' As usual, I was the innocent "At the famous agricultural experibystander and was egged on until ment station at Rothamsted, Eng-land, on a field to which no manure was tempted to beat it. How was I to know that eggs which went into the

cooler at 25 cents would came out at half a century. 5? I don't know any hens personally: how could I tell? Eggs are just like barrel and pour enough water on it the boy who couldn't learn to spell because the teacher kept changing the words on him. You can't learn when to store eggs because the weather man add more water until the lime is wel slaked, then add enough water to make keeps changing the weather on you. 50 gallons which will cool the mixture That's what Tom says.

and check further boiling. Strain into spray tank and add three pounds of "In my estimation a strictly fresh rsenate of lead which has previously egg is all right, but a rotten one should been mixed with a small amount of water. It is now ready for use. The be canned. When you come to know eggs as well as I do you'll get to real-

oliage of the peach, plum and cherry will not be damaged by this mixture but it would by the Bordeaux. The ize there's a lot in them. There are men in this town today who couldn't The me-sulphur kills the rot fungus and hold a candle to an egg. A man may the arsenate of lead the curculio which punctures the small fruit and causes be 'fresh,' and a fresher man 'awfully fresh,' while an egg under the same Give third spraying with same solution two circumstances would be 'fresh,' 'held weeks after second. 4th. Spray with fresh,' or 'fresh laid.' A man is as old self-boiled lime-sulphur two weeks afas he feels and a woman is as old as ate of lead, as there is no danger from she looks, but an egg is fresh all the now on from the curculio. 5th. Spray time until something happens. It all

depends on the life it has led, whether has had a hot time and gone to the bad early or has managed to keep cool and earn the respect of the commu-

nity. "The egg has an awful crust. An egg that is old enough to know better will try to look like it hadn't been laid and inactive, although no very sharp will try to look like it hadn't been laid an hour. It's nothing but a shell game. The way it keeps in storage all depends on the shell. When an egg ing plant roots and crop has done time in the cooler until senile

shell grows a mossy fungus that Tom calls whiskers. He says any warehouse that is on the square will furnish a rus, and potassium, but they also set razor with every case.

"Speaking of eggs reminds me of "Speaking of eggs reminds me of organic acids, which have power to the farmers and the pathetic tales we dissolve more or less additional plant used to hear of the poor farmer bun- food from the mineral part of the coed by the wicked commission man. soil

But it's different now. "The commission man, all sad and

forlorn, is milked by the farmer all several years and that decomposes very slowly. If present in large quanshaven and shorn, who is driven home tity, its gradual decomposition may in the early morn, in the limousine in the early morn, in the limousine still supply sufficient nitrogen to meet with the crumpled horn, which he the needs of good crops, although its toots and toots to show his scorn, and to frighten the hen that laid the eggs quate supplies of available phosto frighten the hen that and that Cold that are stored in the house that Cold that are stored in the house that Cold "Thus, we find that one soil may a "Thus, we find that one soil may a the same time be richer in organic

natter and less productive than an a One hundred special railway cars other soil, even though the two soils are continualy on the road conveying are alike in other respects. beer brewed in Riga to various parts of tons per acre of fresh, actively decay $x \in Many$ who see the truth the most cock crows at irregular periods. Woe Russia, including remote points in Si-true fective for a year or two than thirty tons of old and less active humus.

be discerned phantomlike in the obngy and thus increases the scuring mist. power of the soil to absorb and retain "Do you want a tow?" shouted the moisture and to resist surface wash

captain of the tugboat through his ng. In other words, this third value megaphone. of farm manure is due to improve "Yes," came the reply from the The value of farm manure for its

windjammer. physical improvement of the soil, is commonly fully appreciated, and frequently overestimated by popular "All right; I'll take you in for \$500." "And I'll see you ten fathoms length agricultural writers, while its value for the plant food which it supplies n the road to the bottom of the sea irst," roared the "blue nose." and for that which it liberates from The impudent tugboat put about and the soil is sometimes almost ignored.

teamed away into the fog, which be-"There is no good excuse for erron came still more dense. The ship's bell mediate steps to exhibit its disposition eous teaching regarding these different values because there exists a vas tolled out a warning through the imamount of positive information, both penetrable pall. The sea gurgled at in Mexico, the European governments, from practical experience and from the bows as the vessel drifted. After more particularly Great Britain and 'Thus, organic matter from peat short time had elapsed the tugboat Germany, would be compelled to do so. beds hauled out and spread on the

came back and the captain of the lands and incorporated with the soil, produces no such effects on crop windjammer nearly tumbled over the yields as are produced by good farm side as a voice spoke, almost mocking-Because the peat does not decay readily so as to fur-nish plant food either by its own de-composition or by liberating it from "Better change your mind, captain

and take a tow: you have drifted in near the rocks. The price is \$500." The frightened skipper could not see more than a ship's length ahead, but and returned at midnight to New he fancied he heard the ominous thunwheat der of the breakers. The tugboat was of any change in the internal condi-Because they affect a dancing imp off his beam. He hesitated no longer.

> "Get your hawser aboard in a hury," he shouted entreatingly. The line grew taut. The tug throbed ahead. A few minutes passed and isfactory condition of health. More-

and no plant food have been applied, shone on the crisping waves. The the average yield of wheat has been windjammer was well off shore and 141 bushels per acre for more than half a century. Land treated with a had been in no danger of getting close

heavy annual application of farm manure has produced 35.7 bushels of If a vessel showed up having lost her wheat per acre as an average of 51 years. Another field treated with commercial plant food without oranchors on the bar or in fetching up rectos had been giving considerable outside the inexorable tugboaters alganic matter has produced 37.1 bushways fixed a fancy price for a tow, as the work of damming the Colorado els of wheat per acre as an average the windjammer would be helpless in river, across the line from the Impeduring the same time. The latter field the clutches of the currents. This was received a little less plant food than was furnished in the manure, thus a predicament of the master of a cer- ico was sending by way of the Gulf of furnishing ample proof of the value of plant food supplied in manure and tain square rigger, but he had wits to showing that the physical effect of match those of the man on the tugboat. the farm manure was by no mean As the small craft came in sight the captain of the ship had the parted caphysical effect bles run out through the hawse pipes Under cer

should not be overlooked. tain seasonal conditions this physical value may be very important. Thus n the very dry season of 1893 at set that the ship had the appearance pose were gobbled up by the insurrec-Rothamsted the land fertilized with commercial plant food produced only of a vessel riding at anchor. When the towboat came alongside tion. 21.7 bushels of wheat per acre, while

the farm manure plot produced 34.2 the skipper was leisurely pacing the The president told callers today that oushels the same year. Texas and the adjacent country ofdeck smoking his pipe. He replied (The above quotations are taken carelessly to the query if he wanted a fered an admirable field for manoeurom pages 9 and 10 of Illinois Ex periment Station Circular No. 108, and the following statements are from pages 194 and 195 of my text book on "Soil Fertility and Permavers at this time of the year but vouchtow. safed no further information. "Not particular," drawled the skip-

zuess."

per. "Hooks holding pretty well." "But there's no wind," argued the nent Agriculture.") ugboater. "You can't sail in."

Organic Matter.

"The organic matter of the soil may

"I'll take you in for an easy price," lines can be drawn between them. "The most active organic matter consists of such substances as decayoffered the former, naming a moderate terest in the work of the army and um residues "That's reasonable enough," gave in ed today that the appropriations for green manure and animal manures the skipper, his eyes twinkling in trincorporated with the soil. These decay is no name for what it has, its products decay rapidly in the soil and umph. "Make fast."

n the process of decomposition liber After the dicker had been completed ate not only plant food which they and the hawser put aboard the master stances no such movements as those contain, including nitrogen, phosphe of the sailer ordered the chains hauled sprung on the army and navy during free other decomposition products

such as carbonic acid, nitric acid, and What the towboat captain said when thought of. Hence it was inevitable he saw the broken links dangling out that Washington should be skeptical of the hawsepipes was enough to drive toward the explanations given officialthe mermaids blushing to their grot- ly and should look to conditions in "The inactive, or less active, organ

toes .- San Francisco Chronicle. e matter consists of the more resistant organic residue that remains after

Thre

Proof at Last .-- During some recent tration of an army close to the border. nanceuvres a private had his skull with a goodly portion of the navy at hand in either ocean. badly injured. The doctor told him

"Well, we can wait for a breeze,

that the brain was exposed. "My brains exposed?" the injured one cried in surprise. "Yes, my man!" replied the doctor. "Please, doctor, do write and tell my father about them," said the private, e always swore I had none!

years old. Italian women reach their prime before they are 20, and the telephone girls consider their chances of ##" Prices paid to cattle raisers in Argentina have been rising steadily for marriage greatly lessened by this govthe last twenty-five years. ernment regulation.

Of course no direct confirmation of this report was obtainable, but the sudden burst of martial activity gave t color. Senor De La Barra, ambassador of the Republic of Mexico, who has been in New York, returned to Washington tonight to fulfill a social engagement York. He disclaimed any knowledge tions of Mexico and as for the health of President Diaz, he insisted that nothing in the personal or official of the communications of the president indicated anything but his usual sat-

then the atmosphere cleared, the sun over, he stated that, apart from sporadic disorders connected with the revolt in isolated parts of Mexico, the situation was normal.

It was admitted at the White House this evening that the Mexican insurtrouble to the contractors engaged on rial valley in California, and that Mex-California a regiment of federal troops to guard the work which was undertaken by the United States to prevent floods in the Imperial valley and the surrounding country. Two hundred so that the hookless ends were beneath Mexican soldiers sent through Yuma, the waves. The small canvas was so Arizona, some time ago for this purtos and never reached their destina-

No such secrecy ever before has

marked the preparations for practice

manoeuvres. Quite the contrary; at

other times the participating officers

have been only too glad to draw pub-

lic attention to and arouse public in-

navy. Furthermore, it was freely stat-

army manoeuvres for the current fiscal

year are all but exhausted and it is

pointed out that in ordinary circum-

the past forty-eight hours would be

Mexico, known or suspected, as ex-

plaining more plausibly that concen-

17 A movement is on foot among the

telephone girls in Rome to have abol-

ished the regulation which forbids

them to marry before they are 28





