

need to do that yet."

that, Mr. Hackett."

"Oh,"" said Hackett lightly. "That's

sing us another song, Mr. Hackett?"

"No," said Will; "I'd rather not.

"My Fretty Jane," by all means,"

"And now," said Hackett, when his

It was the host's style to piny wildly.

he lost or won with great rapidity. To-

to lose. At last, what with his winnings

on that day's racing, and his run of

luck at cards, he had more than enough

in hand to discharge his unwelcome vis-

There is a gambler's superstition,

together.

CHAPTER X.

Mary did not appear at the supper young men. table, in spite of Hackett's injunction. and when the latter went upstairs to indat upon obedience, he found the bed market, Mr. Hackett?" mom door locked against him. He re "No," said Hackett, carelessly, fingermoved to himself the right to express his ing the pages of his music and looking world again after what had happened, aplnion with regard to this open defiance round upor his questioner as he did so. Later on, and controlling himself without "I'm not a rich man, but I've never had much difficulty-for he was one of those people who need to say how indignant "There's a good two thousand a year they are before they can get up any in the voice if you cared to use it." said rreat force of steam-he descended to his the stranger guest. companions. They were easily contented would have imposed upon them.

Hackett's convives were four in num-ber. Two were old cronies of his-by so means the pick of his old acquaint- heart. He had been thinking of little ner. ances, but such as fate and his own else than of carrying that fine voice of courses had left to him; and the other race course.

"My friends" friends," said Will, with guite knowing how to begin, his think his own genial and delightful swagger, ing had led to nothing "are mine. I won't offer you amontillado and turtle, gentlemen, but plain fare and a hearty welcome you can have."

There are people who do not care for these sudden expansions of the heart; but then, on the other hand, there are people who do, and Mr. Hackett's new tabody by to see where I go wrong in latter type. They said they would be not straid of that, if you like." delighted, and they accepted with almost as much effusion as Will himself had said the manager. displayed in his invitation. They were So Will mang "My Pretty Jane," and in all the better humor with themselves, confirmed the good opinion the imporand with the world at large, because the toth personage had formed of him. day's ventures had been prosperous; and man in presession stole into the hall to host because his inspirations had for once auditors than he counted on or though. a way led him to choose the right about. borses, and they had followed his lead.

"And now, Will, my lad," said one of song was finished and the applause was wrote a note: "And now, Will, my lad, shid one of them when the cloth was cleared away, "before we settle down Eve a favor to bards." And the other assenting, they call from home. It is quite on the card for he ran the opera in New York for three years-didn't you, Bob?-and I particularly want him to hear you sing. In fact, it's a treat I've as good as promised him-haven't I, Bob?"

This gentleman was a bald man in spectacles and evening dress. He had logized on arrival for the character his costume by saving that he had and he inughed louder than all his guests the great town hard by for an hour or two; and Hackett had been told, with an air of mystery and importance, that he had his eye on a singing chambermaid there, and had half a mind to engage her. The great man said, with no par-deular enthusiasm, that he should like very much indeed to hear Mr. Hackett dag

'My dear," said he, "you are looking like a ghost this morning. Why don't you go out? A walk in the fresh air would do you good."

This solicitude for her weifare, which ould have seemed quite natural a outh earlier, was surprising now, but Mary was still more surprised when her husband arose from his seat, and taking his place behind her chair, curessed her some ten miles around," said one of the cheeks with both hands. The surprise grew when he stooped down and imprint-"I beg pardon. Did you ever think of ed a kiss upon her forehead. carrying that fine voice of your own to

"Take a walk, my durling," he said; "it will do you all the good in the world." but Will's changed manner aroused new hopes and made her eager to obey him. He was so gracious and affectionate and him, but she obeyed him, and in spite of the timid reluctance with which she venrather pleased than otherwise to be freed from the restrictions a hostess' presence to bite at if you like to bite. "It's there to bite at if you like to bite. "It's there drew down her vail and hurried toward

The document he drew from it looker

She had begun to know, quite a long

his to market for a month or two past. time back, it seemed, that her husband's two were strangers to him, found in but his habit of putting things off was nature afforded but a saudy and preca his friends' companionship on that day's native and rooted by habit, and what rious soil to build upon. But if only she with that and his pride and his not could woo his short lived affection back to life again, could gain some gentle per manent influence over him-awake his "Do you sing in Italian?" asked the better instincts and justify her owr manager, fingering the pile of music dreams! And so she dreamed her "What's this? 'Spirito gentil?' Try dreams and prayed her prayers and went dreams and prayed her prayers and went home again, comforted. In the meantime her husband was likewise engaged is can sing it is a way when I know there's preparations for the future. When the door had closed behind his wife he drew acquaintances happened to belong to the the lingo. Here's 'My Pretty Jane.' I'm the legal-looking document from his shrewd business mind, and in spite of certain numerous and hewildering legal they were all the more pleased with their listen, and so the vocalist had three more the paper he took pen and ink and set the pneumatic milking machine here ed before being tod. his signature at the foot of it, doing this, illustrated. It is so arranged as to not It is a good plan, if hey is fed in a

and you. This gentleman is a mighty sat down to the table and began to play. that I may be away for a week. I lear, plished by a reservoir suspended over. when the hay is feel to cattle. It is a you a twenty-dollar note for immediate head and connected with the tent cups good plan to wet the corn slover also, expenses, and all the tradesmen's bills by a short section of hose. By means for while there is less dust in it than he lost or won with great rapidity. To night the run of the cards favored him, and he was a receipted for two, and which the reservoir is attached the outries besides, the wet folder is al and he won a great deal more than two think we are going to be prosperous. Al milk is drawn from the tests and de ways more palatable ways more palatable ways your affectionate husband.

> spoke of, then went upstairs, spent a vigorous half-hour in packing his be longings together, took a good lool around to be sure that nothing had bees left behind, and with his own hands car which, like all superstitions, will fulfill rang the bell for the maid. ried his satchels into the hall. Next he

itself at times, to the effect that it is a "A man will call to carry these is fatal thing for a winner to count his half an hour's time from now," he said consulting his watch. "Wait a minute." gains before the end of the game. Mr. Hackett went on plungingly, carrying all He stood still to consider, poring upor the side irons of the wagon body. It be called a man. Women wear out fast before him, until he had made the calcu-lation just mentioned, and then his luck the ma part of the way myself. I shall in an instant and will be found most and just because they happen to live meet somebody who wants to carn & iseful in moving calves, sheep, pigs or on a farm it is no reason why they quarter, I dare say. And there's a letter other stock. It will fit on to a sled should enter into a life of slaveryon the breakfast table. See that your in the same way for winter use. It is Exchange, mistress has it when she comes in."



2022

Sanitary Milking Apparatus



MILKING APPARATUS.

-ven should that desirable condition

"Will Hackett." posited in the receptacle, whence it

Farm Conveniences.

The first two figures show conveni-Journal, which says of them:

This crate should be about three feet high and fitted with sidepleces ex-

them for several form, - unfil mor oughly cold, when they t ay be taken out dried, and are then ready to pack for market E. J. Lawrence, in Parm and Home

How Stored Grain Shrinks.

The advantage to the farmer of storing his grain and holding it till spring is not always represented by the increased price he may get for it. The shrinkage during the winter storage must be taken into consideration, ind that the ancieus is more uniform and this surinkage not infrequently more than offsets the increased price. In such cases it pays the farmer to With the recent report of a State sell his grain as soon as it is in shape ealth board official that an epidemic to go to the market. A good many inof fever in one of our largest citles vestigations have been made to dis itans. These animals, it is said, seem ould be traced directly to a case in cover the percentage of shrinkage in the family of a milk dealer in that lo various grains. The results have varied ng, and the methods employed with ality, the orgent necessity for suit immensely. In some of the humid hem resemble those used with untary inspection of the milk supply is States and with early gathered crops untin made apparent to even those in the shrinkage has been as high as 30 verance are the two strongest and lividuals who are rather inclined to to 40 per cent, while grain raised in off at such advanced and scientific arid States and hauled to humid States theories. No don t the time will come and stored has gained in weight durwhen all milk will have to be steril- ing storage. The shrinkage of wheat gay that she knew not what to make of inid before being offered for sale, but has not generally been as great as mar of some other grains.

Wheat stored in Michigan elevators fast from 5 to 16 per cant during win grugun, and Mr. Gottschulk, the Unitter. A lot of corn very heavy and ill the dry at the time of storing last 30 Norte, suggests that the tins, -back per cent in weight by February Tests unade in other States have shown shrinkages of 10 to 16 per cent. One lot of corn that was gathered at ilretime of your when it was well gland, but containing as large an amount of water as possible and presed in a State fair competition, shrank about 40 per cent. Oats shrink little, but are recorded to have lost about 4 per real in weight during a winter.-St. Louis Republic.

Roughage for Stock.

While both horses and cattle are sometimes troubled with a threat difficulty that needs the attention of a of affairs be reached it will still be veterinarian, in the amjority of cases pocket and read it keenly. He had had addigatory upon the milkman to see it will be found that that tranide is wide, a much larger one is forming. of course, no business training, but he that no opportunity is afforded for the due almost wholly to the feeding of it is now six talks long, containing contact of the factcal fluid with com- disty hay. Horses are much given to on times the old volume of water, taminated atmosphere in the stable. this sould throat transle in connection and may rise many feet more before The technicalities mastered every word of it. Probably the best way in which this with sneeding, which will stop almost juding an outlet. A tremendous erup When he had mastered the contents of can be accomplished is by the aid of immediately if the kny is well moisten

as he did most things, with a mighty only milk the cows automatically, but manger instead of a rack, to sprinkle flourish. Then having pen in hand he also incloses the milk in an airtight a little water in the bottom of the receptucle as long as it is in the prox. manger each time before feeding and julty of the animal. This is alsoom, then moisten the hay. Do the same

The Farmer's Wife,

He enclosed with this the money he further treatment before being placed woman on a farm has no more place in drudgery than she has in the city. The duties of any home are sufficient for the wife. No woman can be a nces originally sketched in the Farm | wife, a herder of cattle and swine, a milkmaid and do the general chores about the house. No woman ought to submit to such work, and no man will tending below it that will just fit into allow it. He who does so can scarcely

Cultivation of Oats.

sown broadcast, in the usual manner,

he yield per acre being thirty-seven

bushels. On another plot the oats were

drilled in, fifteen inches apart, the



From the latest earthquake s inferred that the crust of the earth s not more than forty miles thick, n chemical and physical conditions han is usually supposed.

In the New York Zoological Park onsiderable attention is given to the raining of chimpanzees and orangto be particularly susceptible to teachaught children. Coaxing and persenost effective aids in their education In some countries walking sticks tre manufactured from shark fins. (From the skin of the animal is obained a leather suitable for making eword-grips and many fancy articles. Sharks abound on the coast of Niced States Consul al Sau Juan del somes and skins might with advantage he imported into the United States for industrial purposes. The slilling of sharks is encouraged by the Nicarauginin fishery laws, and there appears to be no export duty on any industrial product derived from them.

in June, 1883, the waters of Lake Rotomahana, New Zealand, seemed to find their way to the heated rocks sear the surface of the earth in this ocality, when there was a sudden genration of steam, and the lake was unptied and an enormous mass of ock was blown out. In place of the dd lake, which was one and one-half ton by Teared If some shock should ging this water in contact with molon rocks

From what is now known of radium or S. G. Tracey reaches these conhistons. The discovery may make it orossary to change our theories about atter and the conservation of energy. adium may possibly open up the way or a cheaper and more wholesome ighting of houses by phosphorescence. It is a practical agent to differentiite genuine gems from artificial. It s a useful agent to kill bacteria. It may be considered a valuable agent or the treatment of lupus, cancer, uberculosis, and a possible agent to mprove the eyesight and overcome dindness. Later discoveries will ionitiless show service in other dis used conditions.

Last summer the Geographical So jety of Baltimore sent to the Bahama Islands, in a chartened and provision ed sailing vessel, a party of explor-'rs, among whom were twenty (hirty scientific investigators, who luring two months, made a thorough survey of those islands, with regard to their geography, geology, productions, inhabitants, and so forth. The jourrounding sea was explored with deep-sea thermometers, seines, and other marine apparatus; the atmos phere was explored with high-flying kites; the soil and its productions were tested and examined; the question of the rising or sinking of the islands was looked into, and, in short, a kind of scientific conquest was made, All this was done, of course, with the onsent and assistance of the toes overnment.

lately," said Will, "but I'll do my best for you."

The entrepreneur leaned back in his the entreprepared to suffer. His ex died, dwindled, dwindled and vanished amateur tenor, and he dreaded him as the burnt child dreads the fire.

At this ebb of his fortunes Hackett halled with all his heart the chance of singing before such a man as this. He displayed no eagerness, but he had too and wait for the usual enger pressure. He sauntered to the piano, and carelessy turned over a heap of music there. He secided that he would not sing more than once unless the important personage pecially pressed him. Before he had sung through the first friendly excuse, "he's on his last legs, especially pressed him.

line the man of music rose softly from poor beggar!" lessly on the mantel board suffered his chin to fall upon his hands and put his heart into his ears. From first to last -not a flaw. Tone, phrasing and expression absolutely just. The listener had heard finer voices, but he could count them on the fingers of one hand. What of us. That's all." pleased him, even more than the voice. ras the management of it.

The tender, melting rapture of the captivating rascal's voice reached his wife lay sobbing in her bedroom. He as she warbled on, never thinking of her, and charming all listeners' ears but hers and ane other's.

Ned Blane must needs torture himself happens with most young men who themselves in similar case. He ald have made choice among a score of streets and lanes to stroll in if he d a fancy for getting wet through; by this time the threatening storm burst, and the warm summer rain ad sonked him to the skin in the first we minutes of its fall. But he must ment himself by being near his sufng idol, whom he had no right or er to comfort, and by the grim hate hich was taking root in every fiber of is against the man to whom she was led. And the song which struck up as was passing for the fifth or sixth time de such an appeal to him as any man on sympathy can understand

When the soug was over three of the ger's guests were noisy in approba-The important man turned ack to the fireplace, and for a while aid nothing. By and by, when the oth-

"Mr. Hackett." he said. "will you be d as to tell me where you studied?" h," Will answered, "I never studier all, to speak of. My grandfather at through three or four years in by. He taught my father, and my her taught me, what little bit he

"Ah," sold the stranger, "you come of el family. What was your r's name?" ackett, of course," said Will.

Of course," the other answered smil-ity. "But his stage name?" My father had no stage name," said mer Will, rather haushtily.

than it had been-that was impossible; but the seeming magic had gone out of his hand, and the pile before him dwin-

perience had made him familiar with the Then be was for playing on credit; but somehow his friends were all very timid and sleepy on a sudden, and protested with unanimity that it was really time to be off, and that they could hardly see the cards. There was no holding them there by force, and they went their way. much tact to make the common fuss. And when they were outside, the theatrical manager laid a hand on the shoul der of the man who had called him Bol and said he:

> "Your friend seemed rather hard hit at losing, didn't he?"

"Oh! what's become of the family land? "Like grandfather, like father. Like

father, like son "Ah! Does he drink? That fine voice

won't last long if he does. "Oh, he takes his glass like the rest

"There's money in that volce." said

the manager after a minute or two of reverie. "Not so much as I said at first perhaps, but money. He wants a practical man behind him. On his last legs, is he? What does he do for a living?" "Nothing.

"M-m. I think I'll give him a lookup to-morrow."

Meantime Hackett sat staring at the prnamental fire paper in the grate. Three months married. Not a half-dollar in the world. And then the Man in Possession Well. He was told by a man who ought to know that his voice was worth two thousand a year to him. How could s man with a treasure like that come to grief? He sat thinking until he fell asleep.

CHAPTER XI.

The Man in Possession remained in ssion for the space of three days, and at the end of that time departed. his claim having been satisfied. Mary Hackett did not know how the money had been paid.

"It's been got honestly," said Will, in answer to her inquiry. "And that ought to be enough for you."

She made it enough, but it was a day or two before she so far conquered the shame with which this public disgrace had filled her as to face the streets again

It happened on the third morning that Mary, coming downstairs an hour or two before her husband, found a letter addressed to him is a strange handwriting. and, without knowing why, was a little dismayed by it. The envelope was long and narrow. It was made of blue paper.

Its contents, whatever they might be, were rather unusually bulky for a letter, and altogether, for a woman of her re-cent experiences, it had a legal and dis-turbing aspect. Lying on the table be-fore her, beside her husband's plate, it spoiled her breakfast, but when Will same down, looking rather fishy about the eyes and rather dull and ill-temper-

The maid opened the door for him, and walked out, carrying a satchel is either hand. He looked right and left as he went, with an nir which would have given an observer a right to imagine the he was not anxious to be seen. The satchels were heavy, and the summe sun was powerful, and Will Hackett wa neither accustomed to exercise of this haracter por fond of it. He hailed therefore, with great pleasure, the ap pearance of the man late in possessi who was lounging along with his hands in his pockets and a general air of hav ing nothing to do upon him.

"I suppose you're willing to earn a quarter, Abram?"

'I've got to earn what I can lay my hands on, Mr. Hackett, whether I'm will It can also be linged to open at the ing or not," said Abram, with a super side. The slats should be of hard fnous air of philosophy. "What's the wood three-quarters of an inch thick. job? Carry them leather boxes? How

"To the hotel," said Hackett.

"All right," responded Abram, and and a clevis to hitch the team to, like eized upon the luggage Hackett had re the cut. The sketch was sent us by linguished.

(To be continued.)

Progress Demands Great Wealth. No community ever made much pro ress with half-million capitalists. The before the rods are bolted to the hanrequired investments are too great dies. the risks are too colossal for small capitalists to undertake. People with of portable sheep fencing used at the limited experience, which small for Colorado experiment station. It is tunes imply, have not the foresight, easy to move about and set up and capacity or industrial mettle, to take very readily made. the risk of losses involved in such immense undertakings. Our great rail roads, most of which have pierced large, unsettled areas, have been build by men of great wealth. In the hands of small men, timidity and incapacity to risk would have compelled waiting

until population and business would make a railroad pay; but in the hands of these millionaires, with the confi dence of small capitalists behind them the great railroads were built as s final force to the country's develop ment and business growth .-- Gunton's Magazine.

From Steam to Electricity.

The results of the change from steam to electrical power on New Yor) elevated rallways are: A reduction or mouth, and when dead, scald in water cost per passenger from 2.24 cents un at a temperature of 185 degrees. After der steam to 1.98 cents; an increase is scalding, wrap them up in a flannel gross earnings of \$400,000, accompan blanket for ten minutes, which will ied by a decrease in expenses of help wonderfully in picking. \$99,000. If scalding is properly done and

In Congo Free State.

The eight societies at work in th Congo Free State are represented by 211 missionaries, 283 native evanged ists, 327 native teachers, 5,641 Suuday schools.

This is a cold world-but what does the coal dealer care?

also convenient when hauling loose

material. If this is long the rest cate At Cornell University oats were



BATE, PLOW AND

can be bluged to let down as shown that the method will pay.

The Toronto Globe says a Canadian farmer who kept twenty-four cows and When there is plowing to be done two hired men tested his cows with close to fences or trees have your the Babcock test, and found that smith put extension rods on the plow eight were unprofitable. He disposed of them and let one bired man go, and at the end of the year found that he one of our readers in Kansas, and he had made as much money from the sixteen as from the twenty-four. Now he has got down to twelve good cows, and expects as much from them as he ninde from twice that number. Now he can increase up to his original number

Migration of Seeds.

the American Association for the Advancement of Science, writing of the he raised thirty-two plants, belonging to five distinct species.

Beredding Fodder.

The fodder shredder is doing good work in one respect, and that is in reducing the number of shocks of corn that stand in the field all winter. As the shredder husks the corn and shreds it at the same time, farmers

and that it is more comfortable to haul the fodder to the barn than to stand out in the fields to husk the corn and then waste the fodder.

Value of Corncabs.

Corncobs are exceedingly rich 40 potash, containing over 28 per cent (in the ashi, and are worth saving. They are not aval'able, however, unless burnt and the ashes saved. On farms

where heavy crops of corn are grown ther end. first joints of the wings, including the the amount of potash that could be main flights. After picking clean, put them into hot water for a few records saved by burning the cobs is couseand then throw into ice water, leaving quantly very large.

The Fifth Commandment.

The lesson reaches the command ments, and Theodore holds his breath antil the second and fourth are pase d. John and Alex got those, and b alls to his happy lot to raitle out the orth.

"What does it mean?" asks his moth

"Not to listen to Mose sing on Sun day, or fight Alex, or be cross to Mam my, and to clean your teeth, and wask behind your cars every morning, and not say 'Dog on?'

"Not say 'dog on!" is the third commandment," objected John,

"Then it's in both, 'cause mother told us not to, so it's in the mind-yourmother commandment. 'Most everything is in that."

"So it is," approved father, from his hair. "You observe that, boys, and everything will come out right."-Les-

Repetition Not Enough.

Pokely-You should have heard Mr. Britton laugh when I repeated your joke to him. Jokely-When you what? Pokely-When I repeated and explained your joke to him.

Jokely-Ah! That's different.-Phildelphia Press.

Ratiway Journeys.

In the United States the distance of the average rallway journey is twenty-nine miles, in England it is scarce y ten miles, while in Germany it is ifteen miles, in France twenty-one alles and in Russia sixty-five miles.

Just His Luck.

Finnegan (who has found a quarer)-Now, I'm an unlucky divil! If anyone else had found that 'twould have been a dollar!-Ally Sloper.

When you attempt to strike a match a the dark the head is always on the

Most writers who drop into postry manage to drop clear through.

straw, so that they will not be dirty, Bleed BEADY FOR MARKET through the

food and water for twenty-four hours previous to killing, so that

says it works well for him. If the beam of the plow is adjustable to draft it should, of course, be adjusted The lower figure shows two views

cows and increase his profits.

Dr. Howard, the new secretary of manner in which seeds are carried to lie's Monthly.

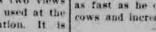
great distances by birds, recited an experiment of Darwin which had a curious result. Adhering to the leg of a wounded patridge, Darwin found a hall of earth weighing 6% ounces. From the seeds contained in this ball

hand-wheel hoe being used to work between the rows. This may appear to some as giving a large share of labor in that manner, but as the yield on the drilled and worked plot was sixty-one bushels per acre the method

is worthy of attention. A man with a wheel hoe can go over a large plece of ground in a day, and it is possible

A Dairy Pointer.

as fast as he can find or grow good



Dressing Ducks for Market

Ducks need much the same treat ment in dressing for market as do

fowls. They should be kept without

the crop and in-

oirds are wrapped up in this way.

they can be picked easily and quickly.

It is customary with many to leave

feathers around the neck for about

two inches, also the feathers on the

testines will be well emptied. Confine them in

a small pen with clean