CHAPTER I.

Pagebrook's room, to which he was the sure inied admittance. The old servant had obeyed to the best of his ability, going not about his see upon running his eye over the following business but away from it, wondering meanwhile what had come over the young gentleman, whom he had never found moody before.

DEAR SIR:—It becomes my duty to inform

t was clear that Mr. Robert Pagebrook's reflections were anything but pleasant as he lay there thinking, thinking, thinking—resolving not to think, and straightway thinking again harder than over. His disturbance was due to a combination of causes. His will be to a combination of causes there were the combination of the combination of causes. muddy boots were in full view for one thing, and he was painfully conscious that they were not likely to get themselves blackened now that he had driven old Moses away. This reminded him that he had showed ten per whem Moses's meek knock had disturbed im, and to show temper without proper inn, and to show temper without proper cause he deemed a weakness. Weaknesses were his pet aversion. Weakness found little toleration with him, particularly when the weakness showed itself in his own person, out of which he had been all his life chastising such infirmities. His petulance with Moses, therefore, contributed to his annoyance because of the state of the ance, becoming an additional cause of that from which it came to an effect.

Our young gentleman acknowledged, as I have already said, that he was out of spirits, and in the very act of acknowledging it he contemned himself because of it. His sturdy contemned himself because of it. His stury, manhood rebelled against its own weakness, and mocked at it, which certainly was not a very good way to cure it. He denied that there was any good excuse for his depression and seourged himself, mentally, for giving way to it, a process which naturally enough made him give way to it all the more. It depressed by to know that he was weak enough made him give way to it all the more. It depressed him to know that he was weak enough to be depressed. To my thinking he did himself very great injustice. He was, in fact, very unreasonable with himself, and deserved to suffer the consequences. I say this frankly, being the chronicler of this young man's doings and not his apologist by any means. He certainly had good reason to be gloony, inasmuch as he had two rather troublesome things un his hands, namely, a young man without. on his hands, namely, a young man without a situation and a disappointment in love. A circumstance which made the matter worse ore instance which made the matter worse was that the young man without a situation for whose future Mr. Robert Pagebrook had to provide was Mr. Robert Pagebrook himself. This alone would not have troubled him greatly if it had not been for his other trouble; for the great hulking fellow who lay there with his hands clasped over his head trouble in the standard of "gogitating," as he would have phrased it, had to much physical force, too much good health and consequent animal spirits, to dis-trust either the future or his own ability to cope with whatever difficulties it might bring with it. To men with broad chests and great brawny legs and arms like his, the future has brawny legs and arms like his, the littare has a very promising way of presenting itself. Besides, our young man knew himself well furnished for a fight with the world. He knew very well how to take care of himself. He had done farm labor as a boy during the long vacations, a task set him by his Virginian fether, who had carried a belilier, intelligent the later.

one son, for whom in his own weakness he desired nothing so much as physical strength and bodily health. The boy had grown into a sturdy youth when the mother died, leaving him with little in the way of earthly possessions except well knit limbs, a clear, strong, casions except well knit limbs, a clear, strong costees consume year the passions except well knit limbs, a clear, strong to clear, turning his hand to mything well prough college, turning his hand to mything which would help to provide him with the necessary means—keeping books "coaching" other students, canvassing for "arious things, and doing work of other sorts, caring little whether it was dignified or uniquified, provided it was honest and promised the freshred pecuniary return. After lead waked up whatever echoes them, at which we find him in a fit of the hine at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at which we find him in a fit of the hine, at a which we find him in a fit of the hine, at a which we find him in a fit of the hine, at a which we find him in a fit of his first shruber in the room epper of the might editor, who was just then in the more of the suburbs of Philadelphia.

After he had waked up whatever echoes the ment of the professor of English, Language and Litera in a little collegiate institute with hig present the part of the suburbs of Philadelphia and who for a trilling consideration ministered to the more of the suburbs of Philadelphia and who for a trilling consideration ministered to the way of the temperature, and Adjunct Professor of Mathematics, in a little collegiate institute with hig present the collegiate institute with higher the would have enough the more part of the suburbs of Philadelphia and the wanted collegiate institute with him provided it was a mark the provided it was honest and promised the title parts; and the details of his situation lossing and his situation loss

father, who had carried a brilliant intellect

one son, for whom in his own weakness he

cause and effect. Whether there really was any other accidental blending of the two events I am sure 1 do not know; and the reader is at liberty, after hearing the brief story of their happening, to take either side he prefers of the question raised in Mr. Rob's mind. For myself, I find it impossible to determine the point. But here is the story as young Pagebrook turned it over and over in his mind in suite of himself.

President Currier, of the collegiate instituter had a daughte, Miss Nellie, who wanted to study Latin more than anything else in the world. President Currier particularly disliked conjugations and parsings and everything else pertaining to the study of language; and so it happened that as Miss Nellie was quite a good-looking and agreeable damsel, our young friend Pagebrook agreed to give her the coveted instruction in her favorite study in the shape of afternoon lessons. The tutor soon discovered that his pupil's earnest wish to learn Latin had been based—as such wish to learn Latin had been wish desires frequently are in the case of young women—upon an entire misapprehension of the nature and difficulty of the study. In fact, Miss Nellio's clearest idea upon the subject of Latin before beginning it was that "it is before beginning it was that "it somewhat difficult for me to make up my mind concerning it. However, as I am without mut employment and uncomfortably short of the study not be every probability on the matter. ject of Latin before beginning it was that "it must be nice!" Her progress, therefore, after the first week or two, was certainly not remarkable for its rapidity; but the tutor persisted. After awhile the young lady said "Latin wasn't nice at all," a remark which she made haste to qualify by assuring her teacher that "it's nice to take lessons in it, though." Finally Miss Nellie ceased to make any pretense of learning the lessons, but somehow the afternoon seances over the grammar were continued, though it must be confessed that the talk was not largely of verbs.

By the time commencement day came the

occasional presence of Miss Nellie had become a sort of necessity in the young professor's daily existence, and the desire to be with her led him to spend the summer at Cape May, whither her father annually took her for the season. Now Cape May is an expensive place, as watering places usually are, and so Mr. Robert [Pagebrook's stay of a little over two mentls there made a serious reduction in his reserve fund, which was at best a very limited one. Before going to Cape May he had conone. Before going to Cape May he had con-duded that he was in love with Miss Nellie, and had informed her of the fact. She had he said: and had informed her of the fact. She had expressed, by manner rather than by spoken word, a reasonable degree of pleasure in the knowledge of this fact; hut when pressed for a reply to the young gentleman's impetuous questionings, she had prettily avoided committing herself beyond recall. She told him she might possibly come to love him a little she might possibly come to love him a little rather awhile, in a pretty little maideuly way, which satisfied him that she loved him a good deal already. She said she "didn't watch tells me it is now ten o'clock, and as know" with a tongue and manner which con-

them.

As the season drew near its close, how-As the season drew near its close, nonever, Miss Nellic suddenly informed her lover
one evening that her dear father had "plans"
for her, and that of course they had both been
for her, and that of course they had both been
'I am under the impression that I did,
'I am under the impression that I did, THE PATHIARCIS.

Mr. Robert Pagebrook was "blue." There was no denying the fact, and for the first time in his life he admitted it as he lay abed one September morning with his hands locked over the top of his head, while his shapely and muscular body was stretched at lazy length under a scanty covering of sheet. He soptember morning with his hands locked over the top of his head, while his shapely and muscular body was stretched at lazy length under a scarty covering of sheet. He was snappish too, as his faithful serving man had discovered upon knocking half an hour ago for entrance, and receiving a rather pointed and wholly unreasonable injunction to "go about his business," his sole business lying just then within the precincts of Mr. Robert Pagebrook's room, to which he was thus denied admittance. The old servant had obeyed to the best of his ability, going not about his see upon running his eye over the following the delivered the cover, and began meditating an approach to anything like a positive statement as Moses thought he had. This was as near approach to anything like a positive statement as Moses ever made. He would go to his room and ascertain. Among many other event soft he past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was upon the events of the past summer, he was mapproach to anything like a positive statement approach to anything like a positive statement approach to anything like a positive statement approach to anything like a positive statement as Moses thought he had. This was an ear approach to anything like a positive statement approach to anything like a positive statement

"Cape May, Sept. 10th, 18—.

Dear Sir:—It becomes my duty to inform you that the authorities controlling the collegiate institutes affairs having found it necessary to retrench its expenses somewhat, have determined to dispense altogether with the adjunct professorship of mathematics, and to distribute the duties appertaining to the chair of English Language and Literature among the other members of the faculty. It consequence of these changes we shall here after be deprived of your valuable assistance in the collegiate institute. There is yet due you three hundred dollars (\$300) upon your salary for the late collegiate year, and I greatly regret that the treasurer informs me of a present lack of funds with which to discharge this obligation. I personally promise with as light a step and as cheerful a bearing charge this obligation. I personally promise you, however, that the amount shall be remitted to whatever address you may give me on or before the fifteenth day of November next. I remain, sir, with the utmost respect,

Your obedient servant. DAVID CURRIER, President, &c.

To Professor Robert Pagebrook.

This letter had come to Mr. Robert very unexpectedly, and its immediate consequence had been to send him hastily back to his city lodgings. He had arrived late at night, and finding no matches in his room, which was situated in a business building where his neighbors were unknown to him, he had been compelled to go to bed in the dark, without the possibility of ascertaining whother or not there were any letters awaiting him on his table.

Our young gentleman was not, ordinarily,

table.

Our young gentleman was not, ordinarily, of an irritable disposition, and trilling things rarely ever disturbed his equaninity, but he was forced to admit, as he lay there in bed, that he had been a very unreasonable young gentleman on several recent occasions, and naturally enough he began to catalogue his sins of this sort. Among other things he re-membered that he had worked himself into a temper over the emptiness of the match-safe; and this reminded him that he had not even and this reiminded fini that he had not even yet looked to see if there were any letters on the table at his elbow, much as he had the night previously bewailed the impossibility of doing so at once. Somehow this matter of his correspondence did not seem half so imperative in its demands upon his attention now that he could read his letters at once as it had sensed the night hope when he could it had seemed the night before when he could not read them at all. He stretched out his hand rather languidly, therefore, and taking up the half dozen letters which lay on the table, began to turn them over, examining the superscriptions with small show of interact. Exaking on one he muttered. "There's est. Breaking one open he muttered, "Ther's est. Breaking one open he mittered. "Ther's another forty dollars' worth of folls. I did not need that coat, but ordered it expressly for Cape May. The bill must be paid, of course, and here I am, out of weak, with no prospects, and about five hundred dollars less money in bank than I ought to have. !"

I am really afraid he closed that sentence in a frail body to a Western state, where he bad married and died, leaving his widow this

with an ejaculation. I have set down an ex-clamation point to cover the possibility of

world until he acquired considerable confidence in his ability to earn a living at almost anything he might undertake.

Under the circumstances, therefore, it is not probable that this energetic and self-confident gentleman would have suffered the loss of his professorship to annoy him very seriously if it had not been accompanied by the other trouble mentioned. Indeed, the two bad come so closely together, and were so intimately connected in other ways, that Mr. Robert Pagebrook was inclined to wonder, as he lay there in bed, whether there might not exist between them somewhere the relation of cause and effect. Whether there really was any

Taking up the note again he read it, although he knew perfectly well everything in in just as you or I would have done, when there was nobody by to listen. It was as brief as a telegram, and merely said: "Will you please inform me at once whether we may count upon your acceptance of the position offered you?" It was signed with an unfamiliar name, to which was appended the viated word "Prest."

"I shall cert."

"Arriver information. He read it aloud, with me this very evening to Virginia. We'll leave on the cleven o'clock train to-night, get to Richmond to-morrow at two, and go up home next morning in time for a smack."

"But, my dear Billy——"

"But my dear Bob 1—"

"But my dear Bob 1—"

"I shall cert."

"I shall cert."

offered you? It was signed with an unfamiliar name, to which was appended the abreviated word 'Pres't.'
'I shall certainly be very happy to inform the gentleman,' thought the perplexed young man, 'whether he may or may not (by the way he very improperly omits the alternative or not' after his 'whether'), whether he may or may not 'count upon' (I must look up that expression and see if there is good authority for its use), whether he may or may

By the time commencement day came the occasional presence of Miss Nellie had become in which his cousin wrote:

which satisfied him that she loved him a the letter was written last week, and as my good deal already. She said she "didn't watch tells me it is now ten o'clock, and as morballs. It would be decidedly entertaining the loved him that she did know; and so the has not yet made his appearance, it seems that sort about, even if he were to use both hands in doing it."

with just enough of uncertainty about the fast will be postponed until the middle of the position of affairs to keep up an interest in day if he waits for me help him eat it. I am afraid he will be as cross as a dozen bank-notes of the largest denomination issued when

Did you call, sah?" asked Moses, coming

the owner, so that they might be delivered with his own hand. Returning now he brought to "vallables" for Mr. Pagebrook.

MR. PAGEBROOK EATS HIS BREAKFAST. Robert Pagebrook had never seen his cons To Professor Robert Pagebrook.

"I send this by a messenger just as I am upon the point of leaving Cape May for a brief trip to other parts of the country. D. C."

This letter had come to Mr. Robert very unexpectedly, and its immediate consequence.

> "Now don't, I beg of you. Call me Billy or Will, or anything else you choose, old fel-low, but don't call me William, whatever you low, but don't call me William, whatever you do. Nobody ever did but father, and he never did except of mornings when I wouldn't get up. Then he'd sing out 'Will-yon' with a sort of a horsewhip snap at the end of it. 'William' always reminds me of disturbed slumbers. Call me Billy, and I'll call you! Bob. I'll do that anyhow, so you might as well fall into familiar ways. But come, tell me how you are and all about yourself. You havn't written to me since the flood; forgot to receive my last letter I suppose."
>
> 'Probably I did. I have been forgetting a good many things. But I hone I have not

a good many things. But I hope I have not kept you too long from your breakfast, and especially that I have not made you 'as cross as a twenty dollar bank-note.' Praylell me what you meant by that figure of speech, will you not? I am curious to know where you got it may be you.

got it and why."

"Ha! ho!" laughed Billy. "You'll have
a lively time of it if you mean to unravel all my metaphors. Let me see. I must have referred to the big N's they print on the bank bills or something of that sort. But let's go to breakfast at once. I'm as hungry as a village editor. We can talk over a beefsteak,

lage cuttor. We can talk over a beefsteak, or you can at least. I mean to be as still as a mill-pond of a cloudy night while you tell me all about yourself. And over their breakfast they talked. But in telling his story, while he remembered to mention all the details of his situation losing and his situation extens.

off on a tramp somewhere to get my muscles, physical and financial, up again. To tell the truth I have been dawdling at Cape May this summer instead of going off to the mountains or the prairies, as I usually do, for a healthful and economical foot journey, and the result is that my legs and arms are sadly run down. I have been spending too much money too, and so can not afford to stay around Philadelphia until January. I think I must go off to some of the mountain counties, where the people think five dollars a fortune and call anything less than a precipice rising and call anything less than a precipice rising

ginian; "I've been inviting you to the 'home of your fathers' ever since I was born, and this is the very first time I ever got you to own up to a scrap of leisure as big as your thumb nail. I've got you now with nothing to do and nowhere to go, and I mean to take can with no this your avaning to Vicinia.

"But my dear Bob, I won't hear a word, and I wan't take no for an answer. That's poz roz and the king's English. I am managing this little job. You can give up your rooms to-day, sell out your plunder and stop expenses. Then you needn't open your pocket book again for so long that you'll forget how it looks inside. Put a few ninepences into your breeches pocket to throw at darkeys when they hold your horse, and the thing's done. And won't we wake up old Shirley? done. And won't we wake up old Shirley

I tell you it is the delightfulest two hundred year old catablishment you ever saw or didn't sec. As the Irish attorney said of his ameestral home: 'there isn't a table in the house that hasn't had jigs danced upon it, and there's not a chair that you can't throw at a friend's head without the slightest fear of breaking it.' When we get there we'll have as much fun as a pack of hounds on a freeh trail."

fresh trail." "Upon my word, Billy," said the professor cousin, "your metaphors have the merits of freshness and originality, at least, though now and then, as in the present instance, they are not very complimentary. However, it just occurs to me that I have been wanting oo go to Shirely 'ever since I was born,' if you will allow me to borrow one of your forcile phrases, and this really does seem to be a pe culiarly good opportunity to do so. I am a good deal interested in dialects and promin cialisms, so it would be morth my while to visit you if for no other reason, because my stay at Shirley will give me an excellent opportunity to study some of your own expressions. Poz roz, now, is entirely new to me, and I might make something out of it in a

"Nonsense." said Billy: "I'm not one of

'What will you have, sir?" asked the waiter.
"Some hot biscuit, please."

'They a'n't no hot biscuits, sir

You impertinent-"

"Well, some hot rolls then, or hot bread f some sort. Cold bread for breakfast is an abomination. "They ain't no hot bread in the house, sir. We never keep none. Hot bread a'n't heal-

"You impertinent—"
"My dear Billy," said Bob, "pray keep your temper. 'Impertinent' is not the word you wish to use. The man can not well be impertinent. He is a trifle impudent, I admit, but we can afford to overlook the impudence of his remark for the sake of the philological interest it has. Waiter, you ought to know, inasmuch as you have been brought up in a land of free schools, that two pressives, in English, destroy each other, and negatives, in English, destroy each other, and are equivalent to an affirmative. But the matter in which I am most interested just matter in which I am most interested just now is your remark that hot bread is not healthy. Your statement is perfectly true, a and it would have been equally true if you had omitted the qualifying adjective 'hot.' No bread can be 'healthy,' because health and disease are not attributes or conditions

"Return we to our muttons, then," said 'I'll finish the business that brought me here, which is only to be present at the taking of a short deposition, by two or three o'clock. While I'm at it you can be getting your traps together, send your trunk to the depot, and get back here to dinner by four. Then we must get through the rest of the time the best way we can and at eleven we'll. time the best way we can, and at eleven we'll be off. I'm crazy to see you with Phil once." "Phil, who is he?" "Oh! Phil is a character—a colored one.

want to see how his 'dialet' will effect you, 'm half afraid you'll go crazy, though, under

"Tell me

depositions, and his cousin to surrender his lodgings, pack his trunk, and make such other arrangements as were necessary for his

This opportunity to visit the old homestead where his father had passed his boyhood was peculiarly welcome to Mr. Robert just now. There had always been to him a sort of gland the warm Virginia and Shirley. mour about the name Virginia and Shirley. His father's stories about his own childhood the boy, and to him Shirley was a palace and Virginia a fairy land. Whenever, in child-hood, he was allowed to call a calf or a pighis own, he straightway bestowed upon it one or the other of the charmed names, and familed that the animal grow stronger and one or the other of the charmed names, and fancied that the animal grow stronger and more beautiful as a consequence. He had always intended to go to Shirley, but had never done so; just as you and I reader, have always meant to do several score of things that we have never done, though we can hardly say why. Just now, however, Mr. Billy splan for his compiler of the surface of the carth, will produce more tubers that one planted at the depth of a foot.

The solvent power of the carthy will produce more tubers than one planted at the depth of a foot.

tleman. He wanted company, and he wanted change, and he wanted out-door exercise, and where could he find all these quite so abundant as at an old Virginian country house? His love for Miss Nellie, he was sure, was a very genuine one; but he was equally sure that it was hopeless. Indeed, now that he knew the selfish insincerity of the damsel he did not even wish that his suit had prospered. This at any rate, is what he thought as you. This, at any rate, is what he thought, as you did, my dear sir, when you first learned what the word "Another" means when printed with a big A; and, thinking this, he felt that the first thing to be done in the matter was to forget Miss Nellie and his love for her as to forget Miss Nellie and his love for her as speedily as possible. How far he succeeded in doing this we shall probably see in the sequel. At present we have to do with the attempt only. New scenes and new people, Mr. Pagebrook thought, would greatly aid him in his purpose, and so the trip to Virginia seemed peculiarly fitting. It thus comes about that the scene of this young man's story suddenly shifts from Philadelphia to a Virginian country house in spite of all I can do to preserve the dramatic unity of

can do to preserve the dramatic unity of place. Ah! if I were making this story now, I could confine it to a single room, compress its action into a single day, and do other dramatic and highly proper things; but as Mr. Robert Pagebrook and his friends were not store weaple, and moreover as they were notes tragerrow and its friends were instage people, and, moreover, as they were not aware that their goings and comings would ever weave themselves into the woof a story at all, they utterly failed to regulate their actions in accordance with critical rules, and went roving about over the compart of the regulation o try quite in a natural way and without the slightest regard for my convenience.

[TO BE CONTINUED.]

Coughing.

The best method of easing a rough is to resist it with all the force of will possible, until the accumulation of phleym becomes greater; then there is something to cough against, and it comes up very much easier and with half the coughing. A great deal of hacking, and hemming, and coughing in invalids, is purely nervous, or the result of mere habit, as is shown by the frequency with which it occurs while the patient is thinking about it, and its comparative rarity when he is so engaged that there is no time to think, or when the attention is impelled in another direction.

THE Wanzer series of Sowing Machines are now considered to be second to none either at home or abroad. Every Machine is and I might make something out with the philological way."

"Upon my word," said Mr. Billy, "that's a polite speech. If you'll only say you'll go, though I don't care the value of a herring's left fore foot what use you make of me. I'm yours to command and ready for any sport that suits you, unless you take a notion to throw rocks at me."

"Pray tell me, Billy, do Virginians ever of the properties of the well finished and carefully adjusted, and unless pronounced perfect by a competent mechanic, is not allowed to leave the works. The F is calculated for heavier work, and is only used as a treadle machine. It has a reversible feed, sewing both backwards and forwards. The D is especially adapted for heavy tailoring, and the F wheel feed for leather work. Purchasers are respectfully requested to examine the above machines before making a final choice.

USEFUL RECEIPTS.

The Shop, the Household, and the Farm-CIDER may be purified by isinglass, about 1 oz. of the latter to the gallon. Dissolve in warm water, stir gently into the eider, let it settle, and draw off the liquor.

To prevent condensation in a steam pipe laid under ground, place it inside another larger pipe, filling the intervening space with pulverized charcoal. The outside pipe should be watertight.

A Screen or blower of wire gauze, from 36 to 40 wires to the inch, placed in front of range or stove fires, will prevent, it is said,

from growing in garden paths by watering the ground with a weak solution of carbolic acid, 1 part pure crystallized acid to 2,000 parts water. Sprinkle from a watering pot. A CEMENT, impenetrable by air and steam.

"What on earth do you mean, Bob, by talking in that way to a waiter who don't know the meaning of one word in five that you use?"

"Well, I meant for one thing to keep you from losing your temper and so spoiling your digestion. Human motives are complicated affairs, and hence I am by no means sure that I can further imravel my purpose in this case."

"Return we to our muttons, then," said Rilly (12 II foiled to be better the broughts) and grease. and grease.

To MAKE a handy paint, break an egg into Eggs that are a little too old to eat will do fo this very well.

WHEN BOILERS are ordinarily fed with hard water, it is worth while to save the drippings of the exhaust pipe the condensation of the safety valve blow-off, and that from the cylinder, and use the water thus obtained to fill the boiler after blowing off. The result will be surprising in effect in loosening scale.

"Tell me—"

"No, I won't describe Phil, because I can't, and no more can anybody else. Phil must be seen to be appreciated. But come, I'm off for the notary's, and you must get you gone too, for you must i't be late at duner—that's poz."

With this the young men separated, the Virginian lawyer to attend to the taking of some depositions, and his cousin to surrender his

A CHEAP fertalizer consists of sulphate o A CHEAP fertalizer consists of sulphate of ammonia, 60 lbs.; nitrate of soda, 40 lbs.; ground bone 250 lbs.; plaster, 250 lbs.; salt, ½ bushel; wood ashes, 3 bushels; stable manure, 20 bushels. Apply the above amount to six acres. Labor in preparing included, it costs about \$15. It is said to give as good results as most of the commercial fertalizers costing \$50 per to. osting \$50 per ton.

By DRAWING up the earth over the potato n sloping ridges, the plant is deprived of its lue supply of moisture by rains, for when they fall the water is east into the ditches.

things that we have never done, though we can hardly say why. Just now, however, Mr. Billy's plan for his consin was more than ever agreeable to Mr Robert for various present and unusual reasons. He knew next to nobody in or about Philadelphia outside the precincts of the collegiate institute, and to hunt up acquaintances inside that institution was naturally enough not exactly to his taste. He had several months of time to dispose of in some way, and until Billy suggested the

periority to the yeast used, which is prepared in the following manner: Indian corn, barley, and rye (all sprouting) are powdered and mixed, and then mascerated in water at a temperature of from 149° to 167° Fah. charification takes place in a few hours, when the liquor is racked off and allowed to clear, and fermentation is set up by the help of a minute quantity of any ordinary yeast. bonic acid is disengaged during the process with so much rapidity that the globules of yeast are thrown up by the gas, and remain floating on the surface, where they form a thick seum. The latter is carefully removed, and constitutes the best and purest yeast, which when drained and compressed in the which, when drained and compressed in hydraulic press, can be kept from eight to lifteen days, according to the season.

The Steam Donkey.

At a recent seance of the French Academy of Science, some interesting particulars about a new locomotive of M. Fortin Hermann were given: Its propulsion is produced by the ris-ing and falling of six articulated feet, which strike the ground or rails something like the eet of a quadruped. These feet are arranged in two groups, three support the fore part of the machine, and the other three the after part. The two middle feet are connected topart. The two initial elect are connected together by a horizontal shaft; the four others are independent, and strike the ground successively in such a manner that, while the middle feet move at a moderate pace, the others have a highly accelerated motion. Each of these groups of feet is affixed to a single trunk. The force of the steam is applied to the steam is applied to the steam of the steam is applied to plied in such a way as to drive these feet to-ward the ground.

The experiments made by the Eastern Rail-

way Company at Paris with one of these ma-chines have demonstrated that, when the feet are shod with soles of India rubber weighing one kilogramme (2.2 lbs.) each square centi-meter (4.10th inch), an adherence to the rails or road is obtained equal to three-fourths of the weight of the machine itself. In the or dinary locomotive this adherence does not go beyond one-fifth of the weight of the machine; it may be added that this adherence is, in point of fact, variable; on wet or damp rails it is not more than one half; but in the newly invented locomotive of M. Hermann, although the state of the rails or ground will always have an influence, as in the case of the machines in actual use, it will always be greatly superior. The experiments made thus far prove that this new machine will drag on ordinary roads, or on rails, a train four time dinary roads, or on rails, a train four times as heavy as the ordinary trains; the cost of this augmented train will not, it is said, vary materially from that of the ordinary machines with the usual trains when used on equal grades; but the increased adhering power of the new loconotive will permit of the employment of a lighter built machine for the usual trains, as well as the power to surmount steeper grades than are usual on the railways of the present construction. This system of M. Fortin-mermann enlarges

very greatly the capacities of all locomotives for any roads, and will allow of passing through ground where roads have not been constructed, and up grades of one foot in ten.

During the past year 145 new streets were pened in London, and 7,764 new houses built.

A STORM OF ICE.

Hailstones Shattering a sailroad Train and Wounding the Passengers.

(From the Donver Yours 1 At Potter station, on the Union Pacific Railroad, on Friday night, a train was just pulling out from the station when a storm commenced, and in ten seconds there was such a fury of hail and wind that the engineer deemed it best to stop the locomotive. The hailstones were simply great cliumks of ice, many of them three and four inches in diameter, and of all shapes—squares, cones, cubes, &c. The first stone that struck the train broke a window, and the flying glass severely injured a lady on the face, making THE MORDANTS used for dyeing with sumac are either tin, acetate of iron, or sulphate of gray or black, according to strength, and the flying glass a deep cut. Five minutes afterwards there was not a whole light of glass on the south side of the train the whole length of it. The windows in the Pullman cars were of French plate three-eights of an inch thick and double. The light of the plant of the condition of the pullman cars were of French plate three-eights of an inch thick and double. The light of glass on the south side of the train the whole length of it. gray or black, according to strength, and the third greenish yellow.

Some weeds can be killed and prevented from growing in garden paths by material wooden shutters too shreds. The wooden shutters too shreds.

many of the mirrors were broken. The decklights" on top of the cars were also demolished. The dome of the engine was dented as if
it had been pounded with a heavy weight,
and the wood-work on the south side of the had omitted the qualifying adjective 'hot.'

No bread can be 'healthy,' because health and disease are not attributes or conditions of inanimate things. You probably meant, however, that hot bread is not wholesome, a point on which my friend here, who eats hot bread every day of his life, would naturally take issue with you. Please bring us some buttered toast."

The waiter went away bewildered—questioning in which Billy was half inclined to join him.

"What on earth do you mean, Bob, hy talking in that way to a waiter who don't know the meaning of one word in five that you use?"

"Well, I meant for one thing to keep your digestion. Human motives are complicated affairs, and hence I am by no means sure that I can further unravel my purpose in this late the distance of the cars was ploughed as if some one had struck in and sepccially well adapted to use for steam or gas pipes, is made of powdered graphite 6 parts, salked lime 3 parts, salked lime 3 parts, sulphate of lime aparts, slaked lime 3 parts, sulphate of lime and especially well adapted to use for steam or gas pipes, is made of powdered graphite 6 parts, sulphate of lime and the wood-work on the south side of the cars was ploughed as if some one had struck in all over with sliding blows from a hammer. Or gas pipes, is made of powdered graphite 6 parts, sulphate of lime are supplied in the wood-work on the south side of the cars was ploughed as if some one had struck in all over with sliding blows from a hammer or gas pipes, is made of powdered graphite 6 limes and the wood-work on the south side of the cars was ploughed as if some one had struck in all over with sliding blows from a hammer of graphite 6 limes parts, salked lime 3 parts, salked lime 3 parts, salked lime 3 parts, salked lime 3 parts, salked lime 4 parts, salked lime 4 parts, salked lime 4 parts, salked lime 4 parts, salked lime 5 parts, salked l

The cars have been run into shop for repairs and the damage will amount, it is estimated to several thousand dollars,

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