CHAPTER XI .- Continued.

The Rajah dropped his cigar butt in the snow and trod upon it. "Possibly you will faveh us with your company to breakfast in Rosemary, Misteh Winton-you and Misteh Adams. No? Then I bid you a vehy good morning, gentlemen, and hope to see you lateh." And he swung up to the steps of the private car.

Half an hour afterwards, the snow still whirling dismally, Winton and Adams were cowering over a handful of hissing embers, drinking their commissary coffee and munching the camp cook's poor excuse for a breakfast.

"Jig's up pretty definitely, don't you think?" said the Technologian, with a glance around at the idle track force huddling for shelter under the lee of the flats and the decapod. Winton shook his head and groaned.

"I'm a ruined man, Morty." Adams found his cigarette case.

"I guess that's so," he said, quite heartlessly. Then: "Hello! what is our friend the enemy up to now?" McGrath's fireman was uncoupling the engine from the Rosemary, and Mr. Darrah, complacently lighting his after-breakfast cigar, came across to

the hissing ember fire. "A word with you, gentlemen, if you will faveh me," he began. "I am about to run down to Argentine on my engine, and I propose leaving the ladies in your cha'ge, Misteh Winton. Will you give me your word of honeh, seh, that they will not be annoyed in my absence?"

Winton sprang up, losing his temper again.

"It's-well, it's blessed lucky that you know your man, Mr. Darrah!" he exploded. "Go on about your business-which is to bring another army of deputy sheriffs down on us, I take it. You know well enough that no man of mine will lay a hand on your car so long as the ladies are in it."

The Rajah thanked him, dismissed the matter with a Chesterfieldian way car on a Rocky mountain line wave of his hand, climbed to his place there is death and naught else. Winin the cab, and the engine shrilled ton saw, in a phantasmagoric flash away around the curve and disap of second sight, the meteor flight of peared in the snow-wreaths.

Adams rose and stretched himself. "By Jove! when it comes to cheek. pure and unadulterated, commend me to a Virginia gentleman who has acquired the proper modicum of western bluff," he laughed. Then, with a cavernous yawn dating back to the sleepless night: "Since there is nothing immediately pressing, I believe I'll go and call on the ladies. Won't you come along?"

"No!" said Winton, savagely; and the Technologian lounged off by him-

Some little time afterward Winton, glooming over his handful of spitting embers, saw Adams and Virginia come out to stand together on the observation platform of the Rosemary. They talked long and earnestly, and when Winton was beginning to add the dull pang of unreasoning jealousy to his other hurtings Adams beckoned him.

"I should think you might come and say 'Good morning' to me, Mr. Winton. I'm not Uncle Somerville," said Miss Carteret.

Winton said "Good morning." not too graciously, and Adams mocked

"Besides being a bear with a sore head, Miss Carteret thinks you're not much of a hustler," he said, coolly. "She knows the situation; knows that you were stupld enough to promise not to lay hands on the car when we buld have pushed it out of the way without annoying anybody. None the less, she thinks that you might find a way to go on building your railroad without breaking your word to Mr. Darrah."

Winton put his sore-heartedness far enough to tell me how."

quickly. "And you'd only laugh at bonate train, and all would end. me if I should tell you what I thought of."

suggestions from anyone."

railroad obliged to run straight along to him forever. you've been making for it?"

load of armed guards." wouldn't it?-just to secure the cross- the new line.

out of the ground in spring."

The brown eyes became far-seeing. piles and piles of logs over there"- hand-brakes. Don't laugh, please."

laughing at her. Why so simple an rail and expedient had not suggested itself in- runaway. stantly he did not stop to inquire. It Three miles more of the surging. was enough that the Heaven-born idea racking, nerve-killing race and Winhad been given.

cried. "It's one chance in a thousand. chanced wrestle with death. It was at Pass the word to the men; I'll be the C. & G. R. station of Tierra with you in a second." And when Blanca, just below a series of sharp Adams was rousing the track force curves which he hoped might check a with the bawling shout of "Every- little the arrowlike flight of the runabody!" Winton looked up into the way. brown eyes.

"My debt to you was already very operator at the lonely little way stagreat; I owe you more now," he said, tion of Tierra Blanca saw a heroic But she gave him his quittance in a bit of man-play. The upward-bound

whiplike retort. "And you will stand here talking gorge below when out of the snow- said Mrs. Tawkley. about it when every moment is pre- wreaths shrouded the new line a big "I have met your husband," replied

So now we are to conceive the maddest activity leaping into being in full view of the watchers at the windows of the private car. Winton's chilled he had fallen when the last twist had and sodden army, welcoming any battle-cry of action, flew to the work with his head in Miss Carteret's lap. a will. In a twinkling the corded piles of cross-ties had melted to reappear in cob-house balks bridging an the light went out of the gray eyes angle from the Utah embankment to and Virginia wept unaffectedly and that of the spur track in rear of the fell to dabbling his forehead with blockading Rosemary. In briefest time the hammermen were spiking the rails on the rough-and-ready trestle, and the Italians were bring up the

crossing-frogs. But the Rajah, astute colonel of industry, had not left himself defense gentine. less. On the contrary, he had provided for this precise contingency by leaving McGrath's fireman in mechanical command on the Rosemary. If Winton should attempt to build

around the private car, the fireman was to wait till the critical moment: then he was to lessen the pressure on the automatic air-brakes and let the car drop back down the grade just far enough to block the new crossing. So it came about that this mechanical lieutenant waited, laughing in his sleeve, until he saw the Italians coming with the crossing-frogs. Then, judging the time to be fully ripe, he ducked under the Rosemary to "bleed" the air-tank

Winton heard the hiss of the escap ing air above all the industry clamor: heard, and saw the car start backward. Then he had a flitting glimpse of a man in grimy overclothes scrambling terror-frenzied from beneath the Rosemary. The thing done had been overdone. The fireman had "bled" the airtank too freely, and the liberated car, gathering momentum with every wheel-turn, surged around the circling spur track and shot out masterless on the steeper gradient of the main

Now, for the occupants of a runaly's ineffectual efforts to apply the more to the purpose of this history. hand-brakes, if by good hap he should "I have built my railroad, as you even guess that there were any hand- told me to, and now I have come for brakes; saw the car, bounding and me-

dropped from the high cab to dash across to the station platform. At the same instant a runaway passenger car thundered out of the canyon above. The man crouched, flung himself at it in passing, missed the forward hand-rail, caught the rear, was snatched from his feet and trailed through the air like the thong of a whiplash, yet made good his hold and lambered on This was all the operator saw, but

when he had snapped his key and run out, he heard the shrill squeal of the brakes on the car and knew that Jona Winton had not risked his life for nothing.

And on board the Rosemary? Winton, spent to the last breath, was lying prone on the railed platform, where been given to the shrieking brakes.

"Run, Calvert! Run ahead andstop-the-up-train!" he gasped; then handfuls of snow.

"Help me get him in to the divan; Cousin Billy," said Virginia, when all was over and the Rosemary was safely coupled in ahead of the upcoming train to be slowly pushed back to Ar-

But Winton opened his eyes and struggled to his feet unaided. "Not yet." he said. "I've left my automobile on the other side of the creek; and, besides, I have a railroad to build. My respects to Mr. Darrah. and you may tell him I'm not beaten yet." And he swung over the rail-

ing and dropped off to mount the

octopod and to race it back to the

Three days afterwards, to a screaming of smelter whistles and other noisy demonstrations of mining-camp joy, the Utah Short Line laid the final rail of its new extension in the Carbonate yards.

The driving of the silver spike accomplished. Winton slipped out of the congratulatory throng and made his way across the C. & G. R. tracks to a private car standing alone on its siding. Its railed platform, commanding a view of the civic celebration, had its quota of onlookers-a fierce-eyed old man with huge white mustaches. an athletic young clergyman, two Bisques and a goddess.

"Climb up, Misteh Winton, climb up and join us," said the fierce-eyed one heartily. "Virginia, heah, thinks we ought to call each otheh out, but I tell

What the Rajah had told his niece is of small account to us. But what Winton whispered in her ear when he



"RUN, CALVERT."

enough behind him to smile and say: lurching, keeping to the rails, may-"Perhaps Miss Virginia will be good hap, for some few miles below Ar-, you wait?" gentine, where it would crash head-"I don't know how," she rejoined, long into the upward climbing Car-

In unreasoning misery, he did the only thing that offered: Ran blindly "You might try it and see," he ven- down his own embankment, hoping surprised them standing hand-in-hand and you would gain \$14 each year. tured. "I'm desperate enough to take nothing but that he might have one last glimpse of Virginia clinging to "Tell me something first. Is your the hand-rail before she should be lost

in the middle of this nice little ridge But as he ran a thought white-hot from the furnace of despair fell into "Why-no; temporarily, it can run his brain to set it ablaze with puranywhere. But the problem is to get pose. Beyond the litter of activities the track laid beyond this crossing be- the decapod was standing, empty of fore your uncle gets back with a train- its crew. Bounding up into the cab, he released the brake and sent the "Any bind of a track would do, great engine flying down the track of old man of the time when he was sim-

"Certainly; anything that would the despair-born thought took shape hold the weight of the decapod. We and form. If he could outpace the shall have to rebuild most of the line, runaway on the parallel line, stop the anyway, as soon as the frost comes decapod and dash across to the C. & G. R. track ahead of the Rosemary. there was one chance in a million that "I was thinking," she said, musing- he might fling himself upon the car ly, "there is no time to make an- in mid flight and alight with life other nice little ridge. But you have enough left to help Calvert with the

she meant the cross-ties-"couldn't Now, in the most unhopeful struggle you build a sort of cobhouse ridge it is often the thing least hoped for with those between your track and that comes to pass. At Argentine uncle's, and cross behind the car? Winton's speed was a mile a minute over a track rougher than a corduroy But Winton was far enough from wagon-road; yet the decaped held the

ton had his hand'e-breadth of lead and "Down out of that, Morty!" he had picked his place for the million-

Twenty seconds later the telegraph Carbonate train was whistling in the close? Go!" she commanded; and he engine shot down to stop with \are the man. "Who is the other one?"grinding from the wheels, and a man Judge.

"Hush!" she said, softly. "Can't

"Shameless one!" she murmured. and laughed.

"Hah, you little rebel," he said. "Do you think you dese've that block of stock I promised you when you ing out the unprofitable cows from should marry? Anseh me, my deah." She blushed and shook her head, but the brown eyes were dancing. The Rajah opened the car door with

his courtliest bow. "Nevertheless, you shall have it, my deah Virginia, if only to remind an ple enough to make a business con-In the measuring of the first mile federate of a charming young woman. Straight on, Misteh Adams: after vou. Misteh Winton."

[THE END.]



Gerald-We all have our weak-Geraldine-Well, you're not mine. Illustrated Bits.

"I have two lovely little pupples."



Labor considered, sheep pay better than cows on the right kind of land.

Some one who has tried it says that strong salt solution is best for ridding would make your sheep pay. Only in the hen house of lice.

A Missourian has invented a clover header which saves the seed and leaves the straw on the ground as a

The city has got to be fed by the farm, and the surest way of winning the gold of the city is to stick to the farm and raise what the city wants.

The dirt and harmful germs may be in the milk, even though you can't see them; in fact, the most injurious impurities are the invisible.

It is said that nine-tenths of American men who have attained eminence in the various fields of laudable activity came from the farm. It takes the farm to produce sturdy, strong man-

One of the finest exhibits of horses at the Wisconsin state fair this year was made by a company of six enterprising farmers who organized about two years ago for the breeding of fine Percherons. Here is a hint for a group of farmers in other places.

Scarcity of labor in the south forcing planters to look to machinery for relief. Cane loaders and cotton harvesters and threshers are being devised for the doing of work which has always been performed by hand la-

The Russian thistle is a tumble weed, whose greatest danger lies in its habit of rolling for miles in a high path. The Canada thistle is a much worse pest, for it is a perennial, spreading by its root joints like Bermuda grass and about as hard to get

In spite of repeated appeals many a farm has gone through the growing season again without a garden for the supplying of the table with vegetables and fruits. Not enough time to spare to it, is the old, old excuse. But you have time if you will only take it, and it will pay. Make up your mind that wife shall have that garden next year. Wouldn't be a bad idea to plow and manure the patch of ground for the garden this fall, and thus have a better start for next year.

In the case of old fields that have been allowed to grow up in pines, green briers and other trash, because the soil was not worth cultivating it can be cleared and brought under cultivation by cutting, drying and burning the trash and then letting cattle and sheep range over the land to keep the sprouts down. Under this method the roots will die in two or three years and rot so that the plow can be used. If the plow is used at once after clearing, the roots will live for years.

Here is a proposition for the farmswer, and then order his conduct in 1,200 quarts, that bring \$26. The latter loses about \$14 and reduces the gain on the former from \$46 to \$32. Why do you keep that 1,200 quart cow? You would be better off with But when the Rajah proposed an the one that clears \$46, for you adjournment to the gathering-room of would only have half the investment, the car, and to luncheon therein, he half the work and half the feeding Dairy farmers have not yet half waked up to an understanding of the on very rich soil by mowing luxuri- simplicity is the thing that attracts great practical importance of weed- antly growing grain when 30 centime- attention. It can be added to matheir herds. Many a man would make a fair profit, that now faces constant loss, if he would keep only such cows as pay a profit on their keep. And the only way to ascertain which cow is making the profit is by keeping an individual record of each cow and testing the milk.

> J. H. H. Gregory, the well-known Massachusetts seedsman, tells how he raises onions, which is by the following simple process: "Broadcast ten cords of strong manure made fine, and plow four or five inches under. Then fine land well, and, unless very fine. cross-plow shallow with one-horse plow. Next, scatter 1,000 pounds to the acre of onion fertilizer, and handrake it in, making ground as level as a floor and very fine. Do this in strips across the piece. Plant with some good seed drill and rake another narrow strip; plant it and proceed. Plant | who is looking forward to the time four and one-half pounds of seed to when his two boys will take the heavy of Tattnall county is pretty well one is said to be very much like the the acre, dropping about 15 to each end and run the farm. They are fine scared because a wild lion has been foot. Test machine first on barn floor, boys, have been fairly educated and As soon as onions break ground, at take naturally to the farm. We sugthe first hour the rows can be barely gested the sending of the boys to the traced, run the wheel hoe through state agricultural college for the techthem and hand weed immediately nical and scientific training which they after. Do this if necessary four or would need to equip them for the five times during the season. When highest type of farming, and this is about all the tops have fallen down what he said: "Yes, I suppose it pull, putting six rows in one. Hand- wouldn't hurt them any, but then, you turn every other day, and house in see, they are just where they can give could not kill him at that time, as he public schools, and are used for purpiles about two feet deep before heavy the best help on the farm now, and I did not have his gun. The animal frosts come. For northern plants don't know as they need this extra was seen by both Mr. and Mrs. Har- ticulture and tree growing, and often earliest sorts; the Gracker for early learning. They'll make good farmers vey. It was very large and appeared contain botanical museums and beeyellow and Red Flat or Red Globe for if they work the place as I have red. If crop does not promise well, worked it, for I flatter myself I know been heard roaring in the vicinity by just before they begin to form bulbs, a thing or two about raising crops and several people at night. As far as

A Pennsylvania farmer is said to have discovered a small beetle that leeds on potato bugs.

"No hoof, no horse," is the old dage, and it may well include the

In feeding hay to horses it should be well shaken up and moistened with a little water.

In feeding beef cattle a little oil

meal or stock food of some kind is good to tone up the system and will assist in the conversion of food to flesh. There is a story from Maine that skunks have been digging the potato

crop for the farmers there. There is

a strong odor of the improbable about it. Out west here it is likely that the farmer will stick to the old methods. The ewe that is over six years old is generally unprofitable. Weed out the old ones from the flock if you

should they be kept. The codling moth and woolly aphis have wrought untold damage in the apple orchards of New Zealand, and the government pomologist, Dr. W. A. Boucher, has just spent several months in California searching for

parasites to combat the pests.

At the first indication of cholera outbreak among the hogs, the diseased animals should be quarantined, and all avenues by which the germs could be distributed by people, dogs, stray hogs, etc., guarded against. Remove the healthy hogs to a new yard, and tar disinfectants should be used daily about the feed troughs, floors and sleeping quarters. The dead hogs should be burned, which is not a difficult task if the bodies are placed on top of a pile of wood that burns quickly and makes a hot fire.

There is no more striking illustration of the growth of the country than the facility with which farmers are handling and marketing their crops this year. No fonger is it necessary for vast sums of money to be sent from the east to move the crops, for the farmers now have snug sums of money themselves, and banking facilities are afforded right in the thriving, growing towns which are being built up in every farming community. Another improvement over the methods of years ago, when the farmer had to get his grain to the distant market, no matter how low the price, is that crops for favorable prices.

Apple butter that's worth eating on a cold day in winter is made by boiling sweet cider down to about one without success, has probably been carriage in its return stroke is utilhalf. Add an equal quantity of good solved by Robert Eugene Turner, a ized to effect the line spacing, which cooking apples, which have been peeled and quartered. Boil until the apples are tender, then sweeten with light brown sugar, or with half granulated and half brown sugar; add spices to taste. After the sugar is added continue the boiling, stirring constantly meanwhile, until the whole is of the consistency of a smooth paste. Pack away in stone jars and it will keep indefinitely. The addition of the spices is merely a matter of choice as many may prefer the plain apple flavor. If the apples are tart and wellflavored it seems that the spices detract rather than add to the palatability of the butter.

system of trees. At the North Da- ciple, to be worked out later. kota experiment station tests made with poorly nourished young trees the architectural firm of Hebard & have shown that when supplied with a bottle into which the roots were placed they sucked in sustenance at tions worthy of solution, had his ata rapid rate, chemical substances be- tention drawn to the matter. At that ing detected in the sap of the top time he was in his teens. He began most twigs within ten hours. So far, to think out the problem, conveying indeed, was it the case that the trees er to consider. Let him give his and drew up sustenance that it was found possible to regulate to some extent night. accordance therewith: Two cows cost the growth of young trees by such \$40 a year each for keep. One of means, retarding their development them yields 4,000 quarts of milk a or making it more rapid, as might be year, that bring \$86. The other yields desired. It is all a matter of food supply, the "patient" under treatment showing a ready willingness to ab orb extra provender and to utilize it in the building of plant tissues.

A French experiment station recom-

preventing of the lodging of grain, tor. "It was found," says the report, "that ters high, removing the upper 15 cen- chines at a nominal cost; it will not as it falls will not only prevent lodg. will not add to the cost of repairs, ing, but will also make a more uni- and is not easy to get out of order. form crop in length of straw and size Its speed is suffcient for all practical of head and kernel. If after the first purposes. cutting the growth of the crop is vigorous enough to indicate danger of ence to the invention was made by lodging, it may be cut again about two Mr. Turner recently: weeks later when the plants have again reached the height of 30 centiceters. The mowing should be done when the dew is off, preferably in the his hands from the keyboard during "Lily" Langtry. Only intimates are afternoon. This method was successfully applied in 1901 on Chevalier bar. to touch operators. ley growing on rich and well-fertilized soil during a warm, rainy season." 'A centimeter is the hundredth part of a meter and is substantially equivalent to four-tenths of an inch.

We were talking with one old farmer the other day who has made a splendid success of agriculture, and over the bed to work it in. When tops lows, but I'm not so sure that it is pie are wondering what it lives on. well be whist as anything else."—
are large, substitute a single hoe." needed by us farmer folks."

Two or three searching parties have Cleveland Pinto Dealer.

"Old Ironsides."



This historic old vessel, once the pride of the American navy, and around which so many memories cling, is now being rebuilt by order of congress, and when completed will be identical with its former appearance and equipment.

THE INVENTION OF A BOY

IT MAY REVOLUTIONIZE THE PRESENT TYPEWRITER.

V'rainia Youth Has Accomplished That Wich Has Puzzled Mechanical Experts for Many Years.

automatic carriage for the typewriter, ing the carriage to reduce the fricone over which experts have been tion to a minimum. laboring and experimenting for years "The momentum attained by the Norfolk boy, who is yet to reach his can also be done from the keyboard. majority. That the invention, if An ingenious but simple device is practicable, is destined to revolution- introduced, so that the setting of ize the modern typewriter, is the either the automatic or manual line opinion of experts, men who have spacer will adjust the other to con-

studied the problem for years. Years ago it was recognized that lines." the invention of an automatic carriage return for the typewriter to the invention is the youthfulness would add from 25 to 30 per cent. of the inventor. When the applito the speed of the operators—an item | cation for the patent was filed nearly that tells in the business world. The two years ago, or in February, of manufacturers of the leading machines put experts on the problem, over 18 years of age. As he began No stone was left unturned to solve the study of the problem several the problem of the transference, re- years before this, his youthfulness direction and control of power. It can be appreciated. It was a mere is said that one company offered a boy who had undertaken to solve a Recent experiments have proved the handsome prize to the man in their serious scientific mathematical probremarkable activity of the circulatory employ who would discover the prin- lem.

Mr. Turner, who is a member of Turner, and who is a lover of mathe- perintendent of the Virginian-Pilot. matical problems and technical queshis ideas to drawings. For three years he studied it at spare times, day and

The young inventor grasped the difficulties clearly. He finally solved it, that of regulating the power at all times, controlling and reversing it at will. Briefly stated, the regulation and control of the power is by means of the space bar. It is unoperative automatically until the carriage has gone a certain length, but by means of a key it can be mamends the following method for the nipulated at the will of the opera-

Like all valuable inventions, its

The following statement in refer-

"It increases the mechanical control of the carriage, making it un- in a vaudeville sketch, will not allow necessary for the operator to remove her manager to advertise her as writing, a feature especially valuable now permitted to call her by that

"The mechanism causes the carriage to return to the initial writing point automatically when the end of a written line is reached, and also to return automatically from any point in the line by pressing a special key. Means for cushioning the impact of the carriage to prevent a destructive jar to the machine is amply Norfolk, Va.—The problem of an ment in the runways and rollers bear-

form in the uniform spacing of

An interesting feature in reference 1905, Mr. Turner was only a little

Robert Eugene Turner was born in Norfolk November 26, 1886. He is the son of R. E. Turner, general su-After leaving the Norfolk high school he devoted his time to the study of mechincal engineering and architec-

Mr. Turner was nearly two years in securing a patent on his invention, but it was finally obtained through Walter B. Burrow, patent attorney at Norfolk. Mr. Turner's friends are confident that he has a small fortune, to say the least, in his patent.

Superstition Rife.

"Magianism, rosicrucianism, gnesticism, occultism, together with Mosaic and Hermetic mysteries, are flourishing in this country and Europe. Packets, locks of hair. wands, vagaries, fakes and morbid mental states due to these are on all sides. How can mental physicians keep up with the new brain diseases? Superstition is now intensely alive, and all kinds of mind timeters, and leaving the cut material affect the durability of the machine, distortion, born of prehistoric and barbaric ages, when men did notknow a single law of nature, are rife, even in the shadows of universities and colleges."-Prof. Larkin. of Mount Lome Observatory.

Mrs. Langtry Drops the "Lily." Mrs. Langtry, who is now playing name.

A Roaring Lion in Georgia.

Tattnall County Is Haunted by a Big Yellow Cat.

seen in that vicinity. Mothers are think it is possibly his mate. Until keeping their children indoors after the new arrival is slain there will condark and posses of determined men | tinue to be excitement. are trying to run down the unwelcome visitor and put him to death. On Thursday the lion was seen on Mr. Brooks Harvey's place, between Mor- the sister kingdom of Hungary. They rison and Groveland. Mr. Harvey are connected with both private and quite ferocious. Since then it has hives.

gone out for the beast, but they have not been successful in capturing him. About two years ago Mr. David Beasley killed a lion near Groveland. He Savannah, Ga.—The lower section has it stuffed at his home now. This

School Gardens of Austria

It is stated that nearly 8,000 school gardens exist in Austria, not including poses of practical instruction in hor-

"The doctor says I mustn't play scatter 2,000 pounds nitrate of soda handling stock. That scientific train- can be learned, it has not carried whist any more—it makes me irritato the acre, and run the wheel hoe ing is all right for them professor fel- awa; any hogs or cattle and the peo- ble." "That's foolish. It might as