The Mechanical Efforts of Roots. People who are not in the habit of observing closely, fail to understand the forces exerted by plants in their development, and more especially is this true of the phenomeas connected with the growth of roots. There are so many obstacles to their study that a great deal yet remains to be learned, but we can easily see that one of the most remarkable features of roots is the power exerted in their growth and development. The above ground portion of the plant begins its existence amidst the most auspicious surroundings, with nothing to resist the expansion of its leaves or the growth of its twigs. But the roots from the very outset are enveloped in a dense solid material that would apparently stop the progress of even much stronger forces; their tips are composed of the most delicate tissue to be found in any part of the plant, and their whole structure is soft and yielding. At first the roots are the merest threads, twisting and turning among the particles of soil, but as soon as they are once established, the increase in thickness begins, the tissues harden, and obstacles are slowly but surely pushed to one side. The process is the same in all plants alike, from the coarsest to the most delicate, but often the smaller plants give apparent'y the strangest examples. A River sent its roots perpendicularly downward eight feet in search of water. Indian corn spreads a perfect network of roots through the soil for a distance of from three to six feet in all directions, and downward to a permanent water supply. Some curious facts have been developed in the growth of roots. Quantities of plant food were placed at some distance away, and as soon as a single "scout" from the plant had made its way thither, all subsequent root development strongly tended in that direction. Roots of trees and other plants, after having penetrated the soil for long distancee in search of water, often choke up drains and wells by their excessive growth in that direc-Inasmuch as a vigorous condition of the plant, and especially its ability to withstand drouth, depends upon its root development, it is evident that the best disposition

means sowing the fertilizers broadcast. The amount of root area which a plant occupies is often surprising. There is a no effect. Shot after shot went over and general idea that it equals the extension of tion at the Massachusetts Agricultural College, in 1874, produced a total of fifteen miles of roots, and in its period of most active growth it increased about one thou-

sand feet per day. The true mechanical efforts of roots are many. To understand the magnitude of root displaces an amount of soil equal to its that poured out of the funnels told a story bering 88 perished. own bulk. Take for instance a crop of that did not need a trumpet to announce. mangel wurzels, and imagine what an up. The channel now began to widen, and if she bad faith in endeavouring to create the be heaval must have been produced in the soil | could only hold her own for twenty minutes | lief that France is trying to provoke insult by the growth of its enormous mass. The she world escape. What must have been to the German Crown Prince on his visit to

power is of value. Those who give turnips and mangels a place in their system of rota- again, in a second or two later, one flying a tion, do so estensibly for their feeding value, few feet over his head! He never flinched but beyond this their mechanical effect is an inch or changed his manner, but kept also of much importance.

How to Winter Potatoes.

At present date the inquiry occurs-What is the best way to store the potatoes for the approaching Winter? If placed in a cellar, they should not be heaped upon the bottom, but either be deposited in bins, or in boxes, barrels or hogsheads. The bins should be partly opened at the bottom, the narrow boards or planks being placed an inch apart, and these should be some inches above the cellar bottom to admit air. Large boxes, raised half a foot on cross-timbers, do equally well. The boxes used by nurserymen for sending trees to their customers are just the thing. One will hold twenty bushels or upward. Coarse sacking or tight board covers are required to exclude the light. If barrels or hogsheads are employed, holes should be bored in the bottoms, and timbers placed under them. In past years it was common to bury potatoes in heaps, ample cellar room not having been provided in those days. Many bushels were lost from imperfect protection and the want of ventilation. Sometimes they were frezen, but more commonly the tops of the heaps were found rotten when opened, the result of the accumulation of foul air there, and the want of ventilation at the apex. They were often spoiled by too much dampness. All these difficulties were at once obviated by using enough straw and to be kept till spring, and have not ample with the waves and attempted to peck him and that war has actually commenced. cellar-room, this mode may be successfully with its powerful beak. Twice the bird atadopted. In grain-growing regions they tacked its prey unsuccessfully, being beaten have an abundance of straw for such pur- off by the dosperate sailor, battling with poses, -St. Louis Weekly Globe.

Science in Farming.

We have much poor land in the United States, and an immense area of good land. The poor land will be used to grow timber. or be improved by converting more or less of it, gradually, into pasture, and stocking it with sheep and cattle. The main point is, to feed the sheep or cattle with some rich nitrogenous food, such as cotton-seed cake, malt-sprouts, bran, shorts, mill-feed, refuse beans, or bean-meal made from beans injured by the weevil, or bug. In short, the owner of such land must buy such food as will furnish the most nutriment and make the richest manure at the least cost-taking forming a comfortable support for the exboth of these objects into consideration. He hausted man, who had so narrowly escaped will also buy more or less artificial manures, a lingering death. But another danger crops, such as corp, millet, Hungarian grass, etc. And, as soon as a portion of the land can be made rich enough, he will grow more or less mangel wurzels, sugar ets, turnips, and other root crops. Superphosphate will be found admirably adapted for this purpose, and two, three, or four hundred pounds of cheap potash salts, per acre, can frequently be used on fodder crops, in connection with two or three hundred pounds of superphosphate, with considerable profit. The whole subject is well worthy of careful study. Never in the history of the world has there been a grander opportunity for the application of science to the improvement of agri. in the Province of Quebec whose open session.

will be to convert the plant food lying dor- may just as well now understand as at a lish sailors were sent up the Niger to punish mant in the soil into profitable crops. The more distant day, that that will only be the natives at different points on that river main point is good tillage. In many cases accomplished after England has fired her for outrages upon explorers and traders. weeds now run away with half our crops last gun and spent her last shilling. It i After shelling the town of Aboh at the head and all our profits. The weeds which spring possible that one after another, the Can- of the Delta, they ascended to Egga, a large up after the grain crops are harvested, are adian Provinces may go for annexation to town 300 miles frem the mouth of the not an unmixed evil. They retain the the States, and if it was the general will Niger. Here they landed and were at once nitrogen and other plant food, and when of the people, England would not say a attacked by the natives. A fierce fight enturned under make manure for the succeed. ing crops. But weeds among the growing word in opposition. But re-annexation to crops are evil, and only evil. Thorough France is a very different thing. Not ploughing is the remedy, with drainage only England, but the U. S. would have a where needed, -American Agriculturist,

A CHASE AT SEA.

A Reminisence of the American Civil War. We were now within less than two miles of the flying stranger when we opened fire on her from our eleven inch pivot, exploding a shell right under her bow and nearly deluging the blockader's decks with water, but doing no further harra. While we were reloading the pivot she put her helm hard-astarboard and ran across our bow, heading directly for the shore-distant about a mile and a half-apparently intending to run herself ashore. Capt. Clarke shouted: "Put your helm hard a starboard, sir." "Hard a-starboard," answered the officer at the wheel the same moment, putting the wheel sharply about, and the ship turned on her heel as if she knew what was expected of her and started directly for the shore with | ant for them. the stranger, now right abeam, sterboard aide about a mile off, bringing our whole battery of five guns to bear on her. The captain called out to forward rifle : " Fire as soon as you are ready and without further orders, only don't waste the ammunition. Pivot there, sir : fire carefully and aim at the wheel-house and at no other place. Sink her if possible; go ahead and show us what you can do. Quarter deck battery, take good aim and fire as rapidly as you can; aim at the wheel house; don't let her exploded over her; a shell from the eleven- appear. inch burst close beside her, and the three clover plant on the banks of the Connecticut and eight-inch shell guns were sending their compliments thick and fast, but strange to say not a single shot had struck her. She seemed to bear a charmed life. We were about a half mile distant from each other and about a mile from the shore, when she suddenly changed her course to south-southwest and started to run down along the cried out:

"By the deep three fathoms!"

in an intense but subdued tone, but all to significance. exploded beyond on the shore. We were the pockets of his pea jacket, smoking a tion of such gangs. whole surface of the field is raised and its the thoughts of that captain as he walked to Spain. The Temps challenges the German articles loosened.

In practical questions of the farm, this flying missiles, now hid in their smoke, the made by influential French papers. next minute drenched with their spray;

The sight was one of the most picturesque below, looking with eager eyes to see us artist is the only person that escaped, sink the flying stranger; the bay, gradually success of the flying stranger; the three | land would not get it. steamers flying through the water like hounds, oft times hidden by the smoke of their guns as they were loaded and fired. But fate decided in favor of the flying steamer. In spite of every effort that could be made to prevent her she reached the Bay wide, and as the channel is very dangerous to vessels drawing more than ten feet of only solution of the difficulty. water, and, as we were getting into three fathoms again, with intense chagrin we gave up the chase, sending as a parting compliment an eleven-inch shell with our regrets. -J. F. Mackie in the Philadelphia Weekly

Saved by an Albatross.

A singular story, says the Sidney Tele

graph, has been related to us by the master

heap, two or three inches in diameter, stop. given she was rounded to, and the starboard dashed out against a tree. two enemies, -the water and the alpatross, -both greedy and insatiable. For the third time the huge white form of the bird hovered over the seaman, preparatory to a final swoop. The bird, eager for its meal, fanned

its victim with its wide-spread wing. Suddenly a thought occurred to him that the huge form so close to his face might become his involuntary rescuer. Quick as thought he reached up and seized the bird, which he proceeded to strangle with all his might. The huge creature struggled with wings and paddles to free itself. In the contest the sailor was beaten black and blue, and cruelly lacerated, but he held his own, and slowy the bird quivered and died. The carcass awaited him. He was not much of a swimmer, and the excitement of the extraordinary conflict began to tell upon him. He was faint and grew giddy. But with one French Chamber of Deputies recently, by arm around the albatross's body, under the the report of an attempt to assassinate the rubbing with it took away all soreness and wing, and one hand clutching the bird's Premier M. Ferry. The report was unfoundfeet, the sailor awaited his chance of rescue. ed in part, but true to the extent that a the age of seventy-seven. Presently he heard his comrades shout from young man had been arrested who had been

policy is annexation to France. If this is On the richer lands, the aim of the farmer | so, then the French friends in that region good many things to say, and deeds to do,

shaken and exhausted.

A NUTSHELL.

Summary of Foreign, Domestic and War Items.

The North Wales colliers have demanded an advance of wages of 15 per cent., and the Staffordshire colliers of 10 per cent.

Her Majesty's health has greatly improved during her stay in Balmoral, though she cannot yet take much pedestrian exercise. The trial of O'Donnell will probaby be further postponed, in corsequence of the non-arrival of witness from the Cape of

There is much uneasiness among European residents in China, the prospect of war with France being too near to be pleas-

Official despatches show that the evacuation of Cairo by the British was the result

The Minister of Marine is considering the subject of having the buoys in the St. Lawrence illuminated at night by gas, in order to facilitate navigation after sunset.

O'Donnell's trial will probably be further postponed, counsel for the defence requiring more time. Mr. A. M. Sullivan is still seri-

The death sentence passed upon the unfortugate girl Maria McCabe for the murder of her infant at Hamilton has been commuted to fourteen years' imprisonment in Kingston penitentiary.

At a recent meeting of the Church of coast, heading directly for us. At the temperance movement in America, where, same instant the leadsman in the chains he said, the cultured classes are rapidly in Bogtche palace, a magnificent saloon, quite

"Hard a-starboard, quartermaster!" the British Superintendent of the Nicobar ornamontation. None but the Turkish cried Capt. Clarey, and as the ship's head islands, in the Indian ocean, while riding functionaries whose rank entitles them to swung to port he remarked: "By God, we'd with his wife on the island of Camerta, was take part in the ceremony are now permitted been ashore in another second !" The Semi- shot and killed by a Sepoy officer whom he to be present except upon the special invitanole was drawing sixteen feet and deep at had punished. The murderer committed tion of his majesty. Among those so favor-

was going to run for it and had the bar be- the Crown Prince's reception at Genoa has here last week with Mr. Pender, M. P., on tween us. Our of ly chance was to sink her given much gratification here. The presof fertilizers is that which will induce a before she got in. The most tremendous ence of a Russian admiral with two Russian growth of roots in all directions, and this excitement prevailed on board each vessel. corvettes is regarded as a special mark of the Capt. Clarey raved and swore and stamped | Czar's friendship, and as having a political

the plant in the air, but really it often ex- now rapidly approaching Galveston harbor, Irish Secret Society" sends revelations to ceeds this. A squash vine, under investiga- and it seemed as if she was going to get the London press concerning the working away in spite of us. Her captain for the and tyranny of the organization which, if last hour had been walking the bridge be. true, only adds another argument to the tween the wheel-houses, with both hands in already potent ones for the utter extinc-

cigar very unconcernedly: but that there | The American ship Thos. Dana has land- | physical. His majesty is nursing the idea was a feeling that their lives and property | el at Fayal twenty one men, being part of exerted in their struggle for progress through hung only on a single thread was manifest the crew and passengers of the French brig him in any serious fashion. Great were the the soil, and examples for illustration are in the way those wheels flew around, leav- Vocaberg, from St. Pierre for St. Malo, ing a track of boiling, foamy sea far astern, | which sunk in a collision on Oct. 30. The their work, we must bear in mind that each and the thick, huge volumes of black smoke remainder of the crew and passengers, num-

The Temps accuses the German press of

Hicks Pasha's army has been destroyed by the forces of the False Prophet. The intelligence of the disaster was brought to quietly on as though it were an everyday | Khartoum by a Coptic official. The fighting continued from the 3rd to the 5th inst., and resulted in the complete annihilation of that I ever saw—the fleet, about two miles | the Egyptians. It is stated that a European

Mr. Healy, M. P., addressed a large widening, with the white sand hills in the meeting at Drogheda yesterday. Referring distance; the City of Galveston to the south, | to the report that the Government intended and its piers fi'led with sympathetic spec- to introduce a bill extending the franchise, tators; the fort in the bay, with the Con- from the benefits of which Ireland will be federate flag flying, and its ramparts crowd- excluded, he declared that if Ireland did not of interfering with the sovereign rights of dictate to us what we shall use. Our pured with men watching and praying for the obtain an extension of the franchise Eng-

M. de Lesseps, in a speech at L'verpool recently, said the second canal across the isthmus of Sucz could only be constructed alongside the present one with a liberal margin intervening for the strength of each. One of the canals could then be used of Galveston, which is nearly three miles for ships bound to and the other ships returning from the Red Sa. This was the A Rome despatch says :- While the Com-

munal Council was discussing the motion in favor of entrusting priests with religious instruction in municipal schools, a crowd burst into the hall and commenced whistling and shouting. The greatest disorder prevailed. The hall was finally cleared, and the discussion was resumed with closed doors. There were several arrests.

A strange man has been terrorizing the of the bark "Gladstone," which arrived people of the southern part of Ohio county making a ventilation hole at the top. A foot from Lon on last Saturday. On the 22ad Va. Recently he went to the house of of packed straw was found sufficient to ab- of last month, while the vessel was in lati- George Powell howling like a wild beast and position. A hole made in the apex of the but on the alarm of "man overboard" being from the house. The brains had been

foul air to escape. During the coldest officer and four men. A search for the un- have completed preparations to leave Paris. weather it was more compactly closed. A fortunate man was made, but owing to the What was probably their last communicawell-drained spot must always be selected. roughness of the sea he could not be dis- cation with France was the delivery of the We have known heaps of potatoes contain- covered; but the boat steered to the spot ultimatum that the attack upon Bicninh of scarcely a peck of the roots. Where albatross. The bird had swooped down on the embassy has private information that the farmers have raised large crops this year, the man while the latter was struggling French have already marched upon Bacninh,

The Standard's Vienna correspondent hears from a reliable Chinese source that the Government of Pekin has sent a circular to eighteen viceroys, pointing out the gravity of the political situation, and expressing the resolution to oppose to the utmost the French invaders, therefore, it says, the services of a hundred and twenty thousand men are required. The viceroys are enjoined forthwith to recruit men for the force desired by the Government, and to provide the necessary uniforms and provisions.

Poole was again placed on trial at Dublin a second time for the murder of Kenny, and Lamie, a brother-in-law of the prisoner, testified that he first thought Kenny had been an informer, but that he now believed revenge for the seduction of a girl led to the floated lightly on the waves, its feathers murder. The jury found Poole guilty of the murder of Kenny after forty minutes delibera- World. tion. The court sentenced the prisoner to death. He addressed the court, admitted he was a Fenian, cursed England, and called for "three cheers for the Irish Republic."

Great excitement was caused in the the boat, and in a few minutes more was persistent in endeavouring to obtain an intersafe on board the bark, though a good deal view with the Minister, and who, on his ar-

> Advices from the British fleet on the west coast of Africa state that recently 150 Engsailors returned to the fleet.

"Young man, never marry a woman wiser than yourself," says a writer. If that advice should be followed, a good many of our young man would have to marry idiots

Bow Park farm has been successful in taking four prizes at the Chicago Fat Stock show with only two animals exhibited,

"Young man, never marry a woman would have to marry idiots

Before that became an accomplished fact. No; gentlemen, that is a something which "cannot be did," "you bet!" Talk about selling Anticosti to France! Pshaw!

An exchange says: "A dezen women ride now where one women rode a few years ago." This arrangement must be hard on the complex of the scaffold for being one. The object of the scaffold for being one. The

company on the night of the murder, but declared that he had no hand in striking him down. He was a member of the brotherhood from 1S years of age, but never belonged to the Vigilance Committee. His purpose was to wait until his countrymen were prepared to strike a blow for in dependence, when he would co operate with

The Sultan of Turkey.

It is the great Mohammedan festival the "Courban Bairam," and the guns are thundering away right and left announcing the joy of "Islam," says a Constantinopl letter to the New York Herald. Yesterday the state procession took place, with the usual pomp and circumstance, and then was held the grand levee at the palace, which, like a rudimentary form of the Darwinian theory, points to the period when the Turkof the persistent demands of the Egyptian ish Sultan was but the chieftan of a petty Turcoman tribe, and sat at the door of his tent to receive the homage of the elders. The palace of the Bazantine Caesars is still the tent of the Turcoman chief. A most impressive sight is to witness all Turkey's renowned military and naval chiefs, the ministers and other great functionaries of state, advancing one behind the other toward the sultan, and then reverently touching with get away from us." A shell from the rifle ously indisposed, and may not be able to their lips and forehead the embroidered band attached to the throne upon which he is seated.

For the first time for several years past quite a number of foreigners were permitted to witness the ceremony. Formerly it took place in the grounds of the old seraglia palace, and then it was easy enough for any traveller to obtain the necessary permit England Temperance Society, the Bishop of but Abdul Aziz. in the latter part of his Dorchester alluded to the success of the reign, adopted the custom of holding the levee in the great audience hall of Dolmaa triumph of decorative art in its way, with A Calcutta despatch says Mr. Ropstoff, its rich gilding, carved work, and crystal ed on the present occasion was Mr. Hewitt, It was now nip and tuck. The stranger A Berlin despatch says :- The warmth of of New York, and his family, who came Velta. The honorable member of congress is highly delighted with his visit, though his practical mind sees much to deplore in the absence of local enterprise when there are so many channels into which it might be An alleged member of "The American directed. I should say that the European press will be pretty full with accounts of this "Bairam," as there is quite a shoal of

> correspondents here just now. The sultan, I should say, is enjoying his bairam. The weather is now very fine, and the political atmosphere is as serene as the that Lord Dufferin is not going to bother perturbations in the palace atmosphere produced by the news of Mr. Gladstone's meeting with the czir, coupled as it was with the announcement that so quickly followed of the British ambassador's speedy return to Constantinople. The counsellors of the sultan, unable to discriminate between | Cure, and I regard it as the best renedy for friendly intercourse and political dealing. some forms of kidney disease that we have. could only see in a chat between the head of I am watching with great care some cas s the British cabinet and the autocrat of Rus- am now treating with it, and I hope for favsia secret negotiations for the further des- orable results. truction of Ottoman sovereignty. The sultan was telegraphing right and left for information, and his desire to know the worst about your sterling remedy and show you had a great deal to do with the early recep- over our institution. tion granted to Lord Dufferin. What actually took place between the two will not be [Signed] known yet for some time, as his lordship is very reticent on the subject, and there was no other person present at the interview but | doctor. his own interpreter, Sir Alfred Sandison, Lord Dufferin intimated, however, that he was able to assure his majesty England entertained none but the most friendly sentiment toward Turkey; and that she had no idea but in this institution we allow no person to the sultan, and that her only desire was to pose is to cure the sick, and for that work see the Ottoman empire advance in progress | we use anything we know to be valuable. and civilization. As a proof, moreover, of Because I know Warner's Safe Care is a its good will the British government was very valuable preparation, I commend it. ready to assist the porte in its endeavors to As its power is manifested under my use, so effect a settlement of the Bulgarian tribute shall I add to the completeness of my comand the cognate question of the portions of | mendation." the public debt to be taken over by the

Austrian Soldiers. Those who have been travelling on the the Warner Observatory, and as a man of sorb the extra dampness, as well as to exclude tude 42 degrees south and longitude 90 de- frothing at the mouth. He fractured Mrs. continent lately can not but notice the dif- large benevolence. The reputed high charfrost. A few inches of earth on the straw grees east, a seaman fell overboard from the Powell's skull with a club and ran off with ference in appearance between German and acter of the man himself gave assurance to outside, beaten smooth and compact, were starboard gangway. The bark was scudding her little son. The neighbours started in Austrian soldiers. The former whether on or me in the first place that he would not put all that was required to keep the straw in along with a rough sea and moderate wind, pursuit and found the child's body five miles off duty turn out a credit to the service and a remedy upon the market that was not to themselves. They are clean, smart look- trustworthy; and it was a source of a good ing fellows, look every inch what they are, deal of gratification to me to find out by ped with a loose wisp of straw, allowed the life-boat was lowered, manned by the chief The members of the Chinese Embassy and seem to take a pride in their profession. actual experiment that; the remedy itself The Austrians, on the contrary, have sadly sustained my impressions." degenerated: a dirtier or more shambling lot it would be difficult to meet. One would imagine that on sentry duty, at least, they Dr. Robert A. Gunn, Ex Surgeon General ing seventy or eighty bushels thus kept where he was list seen. Here they found will be regarded as a declaration of war. All might stretch a point and three he was list seen. Here they found a through the winter, and opening fresh and him floating, but exhausted, clinging for the powers have received notification of the exterior; but, so far from this being the doubt the great efficacy of the remedy which in excellent condition in spring, with the loss bare life to the legs and wings of a huge ultimatum. It is considered probable that case, the filthy condition of their clothes. has awakened so much attention in the land accoutrements, and boots proves the reverse. and rescued so many men, women and While the German officers are the smartes, | children from disease and death. of the smart, the Austrians show the other side of the medal. Though certainly clean in their habits, they seem to care but little for their personal appearance or the fit of their uniforms. Time was when, in the good old days of the congress of Baden or Wiesbaden, the Austrian officers were admired by enthusiastic young ladies, who as promptly lost their hearts for the elegance of their figure and the thinness of their waists. Such beautiful waltzers were they that it was currently reported they could go round the room with a glass of water on their heads without spilling any. All this is now changed, and their present appearance-particularly if they wear spurs-is more suggestive of damage and disaster to dresses than any elegant movements in the apparent. The good name of the Triangle ball-room. The only good thing about them Dies is evidence of merit. They prove is a greatcoat, which has the advantage of themselves always reliable. 10:. covering many imp. rfections. - London

> The Hon. Billa Fiint, Life Senator of the Dominion Parliament, Belleville, Ontaric, Canada, writes: "I tried St. Jacobs Oil for ague in my face and toothache. It acted like a charm. A few times pain; far better than having them drawn at

An English tourist, on passing the Free rest, avowed his intention to have been to Church of a certain Scotch watering place, a kill him, stating that he was an anarchist very unecclesiastical building, asked a boy emissary. A six-chambered revolver and a whose factory it was. The sharp-witted It is said that there is a party rising up number of cartridges were found in his pos- lad, after an involuntary consultation with the crown lawyers, replied, 'Mr. Kinnear's.' 'Aye, and what does he manufacture here?' Sinners into saints, sir,' was the ready an-

> A million bats are said to live in the dome of the Court House at Breham, Ga. "What a bonauza for a base ball club !"

A Knight Templar in a San Francisco paror described the beauties of the Eastern coast. A San Francisco man smiled contemptsued, in which three seamen were killed and ucusly and said:-" I've been East myself. several wounded. The attacking party of and don't think much of it." "Where were natives were driven to the bush, and the you?" "Why, East, in Omaha. East ain't as big as Frisco.

HIS OWNEXECUTOR.

A Well-known Gentleman's Philantropby and the Commotion Caused by one of His Letters.

Rochester Democrat and Chronic'e. We published in our local columns yesterday morning a sign ficent letter from a gentleman known personally or by reputa tion to nearly every person in the land. We have received a number of letters protesting against the use of our columns for such palpable frauds and misrepresentations; therefore, to confirm beyond a doubt the authenticity of a letter, and the genuineness of its sentiments, a reporter of this paper was commissioned to ascertain all the possible tacts in the matter. Accordingly he visited Clifton Springs, saw the author of the letter, and with the following result :-Dr. Henry Foster, the gentleman in ques-

tion, is 63 or 64 years of age and has an extremely cordial manner. He presides as su perintendent over the celebrated sanitarium which accomodates over 500 guests and is unquestionably the leading health resort of the country. Several years ago this benevolent man wisely determined to be his own executor; and, therefore turned over this magnificent property worth \$300,000, as a free gift to a board of trustees, representing the principal evangelical denominations. Among the trustees are Bishop A. C. Coxe, Protestant Episcopal, Buffalo; Bishop Matthew Simpson, Philadelphia, Methodist Episcopal; President M. B. Anderson, of the University of Rochester; Rev. Dr. Clark, secretary of the A. B. C. F. M., Boston. The benevolent purpose of the institution is the care:—1st. Of evangelical missionaries and their families whose health has been broken in their work. 2nd. Of ministers, of any denomination, in good standing. 3rd. Of members of any church; who otherwise would be unable to secure such care and treatment. The current expenses of the institution are met by the receipt from the hundreds of distinguished and wealthy people who every year crowd its utmost capacity. Here come men and women who were once in perfect health, but neglected ing ministers and bishops, lawyers, judges, statesmen, millionaires, journalists, college

Drawing the morning D. mocrat and Chronicle from his pocket, the reporter remarked, Doctor, that letter of yours has created a good deal of talk, and many of our readers ave questioned its authenticity." "To what do you refer?" remarked the

"Have you not seen the paper?" "Yes, but I have not had time to read it

The reporter thereupon showed him the etter, which was as follows:

CLIFTON SPRINGS SANITARIUM CO. CLIFTON SPRINGS, N. Y., Oct 11, 1883 DEAR SIR: I am using Warner's Safe

I wish you might come down yourself, as I would like very much to talk with you

HENRY FOSTER, M. D. "I do not see why anybody should be skep tical concerning that letter," remarked the

"Isn't it unusual for a physician of your standing and influence to commend a proprietary preparation?"

"I don't know how it may be with others,

"Have you ever analyzed it, doctor?" government that have acquired Turkish "We always analyze before we try any territory under provisions of the Berlin preparation of which we do not know the constituents. But analysis, you know, only I am afraid that the astute German am- gives the elements : it does not live the all bassador has carried off for his own govern- important proportions. The remarkable ment all the premium upon this change of power of Warner's Sate Care undoubtedly tone that should rightly come to the Brit- consists in the proportions according to ish. He assured the sultan some days ago which its elements are mixed. While that Lord Dufferin was not going to talk there may be a thousand remedies made of about internal affairs, and naturally his ma- the same elements, unless they are put tojesty sets this down to Bismarck's influence gether in proper proportions, they are worthless as kidney and liver preparations

"I hope some day to meet Mr. Warner personally, and extend fuller congratulations to him on the excellence of his preparations. I have heard much of him as the founder of

The conclusion reached by Dr. Foster is precisely the same found by Dr. Dio Lewis.

A Clark County liar has been awarded he surcingle. He tells of a winter so severe that the springs in men's watches were al

They all tell the same story. Mr. W Thompson, Jeweller, Delhi, suffered for years from Dyspepsia, got no relief until he used Dr. Carson's Stomach Bitters. He says "it was just the medicine I needed It

"Do you believe in an omea? was once asked Ned Sothern. "Only when it has a 'w' before it," was the prompt reply.

To be permanently esteemed any article must have virtues so marked as to be plainly

Every subscriber for a paper can do much for the paper by becoming a reporter for it. That would greatly help the editor in geting out a readable sheet. The trouble with the average subscriber is that he is not con tent with being a reporter. He wants to write the editorials. Mrs. J. McPhee, Appin, writes :- During

the last eight years I have used almost every medicine recommended for Biliousness, but found nothing equal to Carson's Bitters. If you suffer try it. Price 50 cents,

REMEDY

Neuralgia,

BACKACHE,

SORE THROAT,

SPRAINS.

FROSTBITES,

and pains.

Baltimore, Md., C. S. A.

Address-





FOR THE

Kidneys, Liver, and Urinary Organs. THE BEST BLOOD PURIFIER.

There is only one way by which any disease can be cured, and that is by removing the cause—wherever it may be. The great medical authorities of the day declare that nearly every disease is caused by deranged kidneys or liver.
To restore these, therefore, is the only way by
which health can be secured. Here is where
WARNER'S SAFE CURE has achieved its
great reputation. It acts directly upon the
kidneys and liver, and by placing them in a healthy condition drives disease and pain from the system. For all Kidney, Liver, and Urinary troubles; for the distressing disorders of women; for Malaria, and physical troubles generally, this great remedy has no equal. Beware of impostors, imitations and concections said to be just as good.
For Diabetes ask for WARNER'S SAFE

DIABETES CURE. For sale by all dealers. H. H. WARNER & CO.,

Toronto, Ont., Rochester, N.Y., London, Eng.

Testimonial from Wm. Leggett, Esq. Collector of Customs at Niagara Falls,

MR. SUTHERLAND : Dear Sir, - My servant, the first symptoms of disease. The uncer-tain pains they felt at first were overlooked several months, had been suffering for some until their health became impaired. They | time previous with Rheumatism, and was unfit little realized the danger before them, nor to perform her duties when she came to my how alarming even trifle ailments might which she consented to. I ordered one bottle, prove. They constitute all classes, includ- | which did not make any apparent change, but after taking the second and third she commenced to improve. She continued to take the balance of six bottles, which has made a comprofessors and officials from all parts of the plete cure. She feels now as well as when she was only ten years of age. Not only has the Rheumatine removed the Rheumatism, but otherwise improved her health. From what I know of her case, in addition to several others, I have much pleasure in recommending your Rheumatine to those afflicted in like manner .-

Yours very truly, WM. LEGGETT, Collector of Customs "Yes," he said, "I have taken particular care to keep the matter a secret. I have employed a Connecticut detective to ferret

THE MUTUAL MARRIAGE ENDOW MENT Association of Ontario, Head Office London, Ont. Issues certificates from \$250 to \$3,000 payable upon marriage. A good in vestment for young people of either sex Send for particulars. W.I.IMLACH, Secretary, Albion Block, London. Furnishes indemnity against loss of time by sickness or

accident at comparatively low rates. For particulars enclose stamp to the secretary, Toronto, Ont. AGENTS WANTED TO THE LILY

is a perfect gem, equal to an imported French Corset; fits like a glove to the figure; very stylish, elegant in appearance, and approved of by the most fastidious. Manufactured by THE CROMPTON CORSET CO. 78 YORK STREET TORONTO.

Scottish Chiefs. Uncle Tom's Cabin.

Mabel Vaughan.

Philip Augustus

Jacob Faithful.

The Three Cutters.

Surgeon's Daughter.

The Wandering Jew.

Mysteries of Paris, III.

The Waterwitch.

The Pilot. The Prairie.

Tom's Cringle's Log.

Iwo Years Before the

Howards of Glen Luna.

The Old English Baron.

Hungarian Brothers.

STOVE AND TIN BUSINESS IN SALE AT Renfrew; rare chance; must be seed. Address, J. C. HYETT, Renfrew, Out. with cupola; Frame 2 story Workshop and Paint Rooms; Machine Shop with engine boiler, shafting and pulleys for iron and wood lathes; Circular and Upright Saws, Drills, &c.; Good Frame Dwelling House, 2 wells, good yard, splendidly situated, in one of the most thriving in-corporated villages on popular line of tailway, and beat agricultural district in Western Ont. Address X.Y.Z., care S. Frank Wilson, Prop. Auxillary Publishing Co., 33 & 35 Adelaide Street West, Toronto, Out.

1883-ST. JOHN EXHIBITION-1883 Leather Belling, Fire Ingive Hese, &c. Four First Prizes and Two Diplomas. The highest of all Awards for Leather Belting and Fire Engine Hose were accorded by the Judges at the St. John Centennial and Dominion Ex-hibition, to ROBIN & SADLER, Montreal, ever all competitors.

young orchard just commencing to bear; about 16 acres timber. ROBERT JAMES, Jr., New ton Brock, P. O., Ont.



50c. A GENUINE GERMAN | 50c. No injurious mineral, no poison, no

Acts on a different principle from Posses es tonic aperient and Digescoothes the inflamen membranes, opens up the absorbing verse s of the r tomach and Liver, cure- Dysprpsis, Catarrh of the Stomach, Liver Complaint, Con-Wm. Goldsmith, of Colongwood Ont.,

suffered for years with the worst form of Dyspepsia; tried this ciars and every remedy advertised without berefit One bott'e of Hoffman's German Bitters cured him. Wholesale by Lyman Prothers, and

Northrop & Lyman, Toronto. できるからのうと思うしてものうと



If you are suffering from

Kidney Complaints

Guy Mannering.

The Black Dwarf.

The Mon astery.

Fortures of Nigel.

Quer tip Durward.

st. Rouan's Well

Fair Maid of Perth.

Anneof Geierstein.

Red Gauntlet.

The Betrothal

The Talisman.

Kenilwort, h.

The Pirat

Bride of Lammermoon

Heart of Midlothian,

25 CENTS EACH.

The Spy. The Red River. The Oak Openings he Two Admirals Afloat and Ashore The Pioneers. Jack Tier. yandotte. Mercedes. Lionel Lincoln. The Romance The Bravo. Forest. The Sea Lions, The Italian. The Headsman. Mysteries of Udolphus. lenry Masterton. John Marston Hall. lysteries of Udolphus Japhet in Search of The Wolf of Badenoch. Tom Jones. Vol. I. Tom Jones. Vol. II. Caleb Williams.

Pasha of Many Tales. Joseph Andrews. Humphrey Clinker. Vicar of Wakefield Midshipman Easy. Peregrine Pickle. Vol. Rory O'More. Roderick Random Valentine Vox. No. I. Valentine Vox. Notre Dame. The Swiss Family Rob

The Disowned. Paul Clifford Sugene Aram. The Last Days of Pom-The Wild Irish Girl. The Wandering Jew. II. Reinzia. The Wandering Jew. Ernest Maltravers. Artemus The Bivouac. book. The Robber. Phantom Ship. Cyril Thornton. Reginald Dalton. The Widow Barnaby. Pickwick Papers. Topsail Sheet Blocks.

The Huguenot.

The Nasby Papers. Major Jack Downing The Bigelow Papers. The Bigelow Papers. Orpheus C. Kerr Hans Breit man. Josh Billings. Sam Slick. No. 1 Sam Slick. No. The Trials of Margaret Sam Slick. No. 3 The Poet. Sandford and Merton. Artemus Ward-his trav Grimm's Fairy Tales. Anderson's Fairy Tales. Boys Own Natural History. Æsop's Fables. The Dog Fiend. Arabian Nights. The Baucy Arethusa. 4 Nicholas Nickleby.

We will send y of the above books, post-paid, on receipt of 25 6 for \$1.25; 1 doz. \$2. Address all orders JAS. LEE & CO Lagauchetiere Street, Montreal, P. Q.

A THRILLING STORY

UTH BRANDON THE AGENT'S DAUGHTER

Or, Science Against Savage Force HIGHLY ILLUSTRATED THIS WONDERFULLY ENTERTAINING TALE OF

Among the Wild Indians of the Plains; delineates

A NEW PHASE OF WILD LIFE In vivid portraits, in which alternating with

Terrible : and : Pathetic : Incidents Of Border Existence, are the most

• SIDE-SPLITTING SCENES ▶ •

The Heroine, Ruth Brandon, is a beautifully drawn character, having all the soft feminine graces with some of the self-reliance engendered by the residence on the Border.

The first chapters of this story will appear in THE WEEKLY MAIL of December 6th, and be continued in large instalments until concluded.

BE SURE TO SUBSCRIBE BEFORE THAT DATE SO AS TO SECURE THE OPENING CHAPTERS.

WILL BE SENT TO ANY ADDRESS IN CANADA, THE UNITED

STATES OR GREAT BRITAIN FOR

ONE DOLLAR FROM NOW TO THE END OF 1884.

MAIL,

TORONTO