As adjuncts to the work of physician and surgeon, the Roentgen rays have found their most valuable uses, and it is now possible to make examinations which for the definite character of their disclosures are of the highest value, not only for the detection of bone fractures and the location of foreign substances within the body, but even the discovery of lesions or changes in the lofter portions of the body which indicate or accompany disease.

With the later forms of vacuum tubes good pictures can be obtained of the thickest portions of the body with an exposure of but a few minutes, where only a year or two ago such pictures were impossible, and the making of much less difficult exposures was a matter of many minutes,

By the older apparatus it was only the eighth week. possible at the best to get the location of troubles

IN ONE DIRECTION while now there are several designs apparatus by which pictures are nade simultaneously from two points of view so that an injury or a foreign substance imbedded in the flesh can be located accurately through the range lines of the pictures.

Dr. G. P. Girdwood, of McGill University, Montreal, has accomplished a hay as before. like result by another ingenious device. His apparatus takes two X ray pictures at once from points of view two and a half inches apart, the result are very effective in giving the mofirst undertaken it seemed as if it the age of eight or nine months. must remain impossible to get distinct pictures of any portions of hidden anatomy except the bones and perhaps a few of the other finer parts, but this difficulty has been over-

It has been found that almost every organ or kind of tissue in the body has its own distinctive effect upon the X rays, and that these can be caught by the skilful operator in picture form. The various calculi of bladder, gall or kidney can be located with certainty; an X ray picture will show a cavity in a lung, disclose the presence of a space filled with liquid instead of tissue or clearly indicate an adhesion.

Careful observers assert that they on accomplish even more than this. A study of the radiograph, they say, will enable the skilful man to detect the existence of certain diseases, even they enjoy is due to the use of Dr. before their symptoms have made Williams' Pink Pills. In the town of themselves manifest to either patient or physician.

### ITS MOTIVE POWER.

Many are the stories which the London cabby and 'busman have to use of this medicine was recently tell at the expense of the motor man, brought to the attention of the Sun, but this has the additional charm of and a reporter was sent to get the not having previously found its way facts from the young lady. Miss Col-

cently, the writer noticed a disabled practically in her own words: "Two motor van, which several men were years ago," said she, "I became so trying to coax into motion.

say ot was oil. Or gas? queried another.

light to any sensible pusson. of voices.

Why, retorted the Jehu with pontemptuous prort. it coes, pushin and shovin', and so on.

CYCLE OF EPIC TRAGEDIES.

Little boy Cherry-stones; broton-oil. Awful moans

> Little girl, Box of paints; Sucks her brush, Joins the saints.

Bigger boy. Sea-gull's nest; Crumbling rocks, Eternal rest.

Bigger girl. Healthy bloom, Waist too tight, Early tomb.

ACCEPTED.

you are not for me; that you will re- young girl."

accidental deaths. Six hundred and Pink Pills. Sold by all dealers or seventy out of every million Briti- sent by mail, post paid, at 50 cents shers die by accidents. Of these, 130 a box or six boxes for \$2.50, by adare drowned, 60 burnt, 8 are shot, dressing the Dr. Williams' Medicine and 6 are poisoned.

# 

RAISING CALVES IN ENGLAND.

A method of raising calves, as practiced at the County Council School in Newton Rigo, was given by the principal of the school to the Northumberland Dairy Farmer's Society in England at a recent meeting. The calf was taken away from the cow as soon as born, rubbed dry with straw and well bedded and covered with more straw, and then about half an hour afterward was fed about a pint of the mother's milk blood warm. Afterward the feeding was as fol- five minutes before the boiling is fin-

with about a pint and a half at a time, and increasing to two quarts | seed.

on the fourth day. Second week-Two quarts of warm new milk, not necessarily its own

mother's, three times a day. Third week-Two quarts of warm milk, half new and half skim or separated, three times a day, with a half lice. pint of linseed soup to each quart of

Fourth week-Same as third, with handful of sweet meadow hay to

Fifth week-Two and a half quarts of warm skim milk three times a day, a half pint of linseed soup to each quart, and a little sweet meadow hay after morning and evening meals, to. and often resulted in serious injuries | be continued with gradually increasing quantities of hay till the end of

Ninth week-Omit the linseed soup, and after the midday milk, give a single handful of broken linseed cake and a little pulped swedes; grass instead of swedes in summer, hay as

Twelfth week .- Omit midday milk and give three-fourths' pound of mixed linseed cake and crusned oats, and half a gallon of pulped swedes-grass in summer-at midday, continuing morning and evening skim milk and

If necessary milk may be entirely discontinued at five months old, and one pound of mixed linseed cake and grushed oats be given, to each calf, being stereoscopic radiographs, which with increasing quantities of hay and roots, sliced or whole; but if skim delled form of all the parts beneath milk be plentiful it cannot be put to the skin when viewed through the better use than giving the caives one proper lenses. When radiography was or two drinks of it each day up to To prepare linseed soup, put two

THROUGH THE KINDNESS AND PERSISTENCE OF A FRIEND.

An Every-Day Story That Will Bring Health and

Advice Given. From the Sun, Orangeville, Ont. In every part of Canada are to be found grateful people who cheerfully acknowledge that the good health Orangeville there are many such peoresides with her mother in the east ward. Miss Collins' cure through the lins cheerfully accorded the inter-Whole on the top of an emnibus re- view, and her statement is given weak that I was forced to take to A discussion arose amongst the bed. The illness came on gradually; passengers on top as to what the pro- I found myself much run down, suf-

lost faith in all medicines, but she not be looked for. was apparently determined I should try the pills, for she brought me about half a box she had been using herself. I could not then do less than try the pills, and when they were used, while I cannot say that I felt much better, I had more confidence in the pills and got half a dozen boxes. Before these were gone there was no doubt that they were | "Baby's Battles; A Message for

Mr. Faintart-Miss Upperton, I feel if I did not add my testimony for them. This little book is one that that I am overpresumptuous; that the benefit it may be to some other should be in every home where there fuse my hand; nevertheless I offer it | Miss Collins' story should bring mothers who send their name and adto you, in order to satisfy in a meas- hope to many thousands of other dress on a post card to the Dr. Wilyoung girls who suffer as she did. liams' Medicine Co., Brockville, Ont., on the head of the person to be awak-Miss Upperton, faintly - April Those who are pale, lack appetite, will receive a copy of this book free suffer from headaches, and palpita- of charge. Mention this paper when tion of the heart, dizziness, or a feel- writing. That the English are the nation ing of constant weariness, will find fondest of adventure, or most care- renewed health and strength in the less, is proved by topping the list in use of a few boxes of Dr. Williams

Co., Brockville, Ont.

PURITY **ECONOMY**  CLEANLINESS WHOLESOMENESS

Ceylon Teas are sold in sealed lead packets only, never in bulk. Black, Mixed or uncol-Address "SALADA." Toronto. ored Ceylon Green: Sample on application.

pints of linseed to soak over night in four gallona of water, boil and stir the next day for half an hour and ished add half a pound of flour-pre-First week .- It's own mother's milk viously mixed with enough water to warm three times a day, commencing prevent it being lumpy-to counteract the laxative tendency to the lin-

POULTRY NOTES.

Never let the young turkeys get Be sure that the hens are free from

Turkeys need careful attention until they are well feathered. Geese are great grazers and will

eat and thrive on grass. The greater the number of eggs the less the cost of production. Make the perches about eighteen in- boards and hearth stones would have hes above the ground.

Diarrhea often shows the same

symptoms as cholera. A young orchard is a very good place to build the poultry house in. A very good plan of feeding oatmeal is to wet it with milk.

brood of chicks, giving them all of the room possible. Feed good, clean feed, and just en-

ough to keep your fowls in good health Do not undertake to make a spe-

cially of poultry raising unless willing to look after the little things. A very good plan is to have two sets of roesting poles, setting them out of the house when not in use. Scabby-leg is a contagious disease caused by a small insect; any kind of

it to disappear. In setting eggs for hatching endeavwell developed eggs, and from hens or pullets well developed.

All perches should be made movable in order to facilitate the cleaning out in order to facilitate the cleaning out of the house and applying some insectide on the roosts.

When the hens appear droopy it may be traced to one of several causes -large lice on the head or necks, colds from draughts of air or indi-

The reports of extraordinary pro-Happiness to Young Girls Who Act Upon the fits from one hen or even a selected flock of half a dozen hens should be no guide in making estimates of the possible profits from a large flock. Especially at this time it is of no advantage in having the hen wean her chicks too early; wait at least until they are reasonably well fea-

> Where the fowls are confined it is very important that a good dust bath from becoming foul.

AYRSHIRES AS MILKERS. ity of milk is the object to be aimed Mr. Sackett thought at one time he that they have pruned and manured mile the death-rate is only 16 per twisted by means of a stick. pelling power of the disabled vehicle fered from headaches, and was as cow of this breed not to give milk to up much longer. driver. Why, it's as plain as day- danger. Medicine did not seem to do ing kept on light lands which do not to a man in a delicate state of health. me any good and I found myself produce sufficiently good grass for Mr. Sackett did not give up driving better, and loathed the sight of medi- fed with unstinted liberality. As it is best friend." cine. I had been confined to bed for from the food that the milk is manu-

## A BOOK FOR MOTHERS.

Containing Much Information as to the Care Children, and the Treatment of Ille that Commonly Afflict Little Ones-Given Free,

rapidly restoring me to my old- Mothers" is the title of a very handtime health, as I was soon able to some little pamphlet just issued by sit up and then be around and out. the Dr. Williams' Medicine Company. I used in all eight or nine boxes, and It is devoted entirely to the care of before these were gone I felt as infants and small children, and tells though I had never had an ache or the mother how to aid her little ones pain in my life. That is what Dr. in the emergencies of every day life. Williams' Pink Pills did for me and It describes the ills that commonly I think I would be very ungrateful afflict children and tells how to treat are infants or small children. All

courage than a foolhardy advance.

BURGLARS AS PLUMBERS.

Combination of Rat-Catchers and Plumb ers Rob Their Patrons.

A pair of rat-catchers who lived a remote English town, recently managed to make a very good income addition to the prosecution of their craft, with the aid of a plumber no less scrupulous than themselves.

These men, on being called into house, would put poison about, with the result that the rats died underneath the floor boards of the dwellingrooms. The result of this was that it became, of course, necessary to call in a man who was a combined plumber and joiner, the only one, moreover, in business in the township. Floor to be ripped up, and the dead rats Feed plenty of buttermilk to the and mice taken away, with the result that in addition to the rat-catcher's bill there was also one to be met from the plumber. Ultimately the truth leaked out, and the men transferred their business elsewhere.

Some years ago, a daring burglar conceived the idea of entering the ratcatching business. His enterprise was Provide a separate coop for each rewarded, and he was enabled to secure a great deal of booty, besides rats, in the way of plates and valuables, and for a long time plied his trade with impunity.

But one day, on being sent for to an old country manor house, where the rats had become particularly troublesome, he was rash enough to ask for all the keys of the various cupboards in the house, and the platechest, "for," he explained, "rats will

get anywhere." The keys were given to him, but a watch was secretly put on his movegrease frequently applied will cause ments, with the result that he was secured red-handed in the act of pocketing-plate. He was apprehended, or to pick out smooth, medium sized, and it was then discovered how lucrative his "rat-catching" had been on more than one occasion.

# STATES HIS CASE

Experience of Both His Wife and Himself.

Each Has Tested the Power of Dodd's Kidney Pills-Each Has Achieved the Same Re-

Mr. George Backett, drives the stage between Dromore and Holstein. That orchards, but to the condition of afhe is known throughout the country fairs which exist generally all over Collins, an estimable young lady who use as they see fit. It should be side goes without saying. When he a large portion of this country. When changed sufficiently often to keep was in trouble a short time ago he had the sympathy therefore of more than the few immediate friends and as of little value; if they produce to useful trades. neighbors a man in another walk something, all well and good, but if

at it is very hard to beat an Ayr- would have to give up the stage. Sit- and cultivated and still have not re- 1,000, compared with 24 per 1,000 twisted by means of a stick. shire cow of a good milking strain, ting up on the driver's seat day in ceived any better crops than when there are over 300 to the square Though of comparatively small size, and day out, rain or shine, hot or they left their plantations alone; oth-mile. animals of this breed are remarkably cold he contracted a serious disorder. enough inducement. deep milkers. Where a good price His kidneys became weakened from can be obtained for new milk, it is ally gave him more and more trouconsidered an unusual result, for a ble. He felt that he couldn't keep

pale as it was possible for a living the value of 10s per week, or over It is nine miles from Dromore to person to be. I used several medi- £25 per annum. One of the great Holstein. That means a round trip of Oh, no, retorted another. I should cines, but they did not help me. points in favor of Ayrshires is that eighteen miles. Two trains a day Then I consulted a doctor, and he they are comparatively hardy, and in would make thirty-six miles of drivsaid that I had scarcely any blood, addition to this, very thrifty cattle, ing. Imagine this in a wet driving Wrong, all of ye, chimed in the and that my condition was one of and are consequently adapted to be- snow storm of March or February.

What is it, then? inquired a chorus growing weaker. I reached the stage carrying heavy stock such as Short- the stage. Instead he sought the where my heart kept palpitating vio- horns and Red Polls. Like all deep help of Dodd's Kidney Pills. Did he a lently all the time. The headaches milkers, however, Ayrshires are, of find help? Read his own letter, a letbecame continuous, and my condition course, heavy feeders, and when cows | ter which tells also that his wife one which words can scarcely de- of this breed are being specially kept proved the truth of the saying, scribe. I really despaired of getting for milking purposes they must be "Dodd's Kidney Pills are woman's

"Having used other largely adverabout two months when one day a factured, it follows as a matter of tised remedies and all the medicines friend called and urged me to try Dr. | course, that in the absence of abund- recommended to me by my friends Williams' Pink Pills. I told her I had ance of food good milking results can- for Kidney Trouble and excruciatrelief, I was in despair. In the nick of time I was induced to try Dodd's Kidney Pills and can never be too thankful for the advice which prompted me to do so. They simply took hold of my trouble and lifted it off me. I never heard of anything which gives

such instant relief." "My wife owes even more to Dodd's Kidney Pills than I do. Her case was worse than mine. Mrs. Sackett would not be alive to-day only for Dodd's Kidney Pills. Both my wife and myself can truly recommend Dodd's Kidney Pills for they do what they are claimed to do."

A NOVELTY IN ALARM CLOCKS.

A noiseless alarm clock would prove a boon to a host of sufferers from unseasonable din. The suggestion is made that a silent alarm can be given by focusing an electric lamp upened, and arranging a switch so that the current to light the lamp would be turned on by the clock at the desired time. It is claimed that the A brave retreat may show greater flash of light would invariably arouse the sleeper.

Sozodont for the Teeth and Mouth 25°

SPEED RECORDS ON THE OCEAN.

English Torpedo-Destroyer Viper Is the Fastest Boat.

The following brief statistical review of ocean speed records for the various classes of ships is compiled by Uberall, the organ of the German Maritime Association: "The Deutschland, of the Hamburg-American line, is now the swiftest commercial ves-She made the trip from New York to Plymouth, 2982 marine miles, in five days, seven hours, in September, 1900, which corresponds to an

average speed of 23.36 knots. "This speed is surpassed only by torpedo boats. In 1870 the record was held by the Miranda, with a speed of 16.2 knots; in 1892 a torpedo-boat built in the Schichau works made 27 .-4 knots, and later this was surpassed by the English torpedo-boats and destroyers, with speeds of 31 knots. These were in turn beaten in 1897 by the Turbinia, another English torpedo-boat, driven by a steam-turbine and making 32.76 knots.

"In 1898 the Schichau works won back the record with torpedo-boats built for China, whose speed was 35.2 knots with a displacement of 280 tons. This record was not beaten until last summer, when the English torpedodestroyer Viper made 36.8 knots at A similar boat, the its trials. Cobra, built at Elswick, has made 35.89 knots.

FRAGRANT

Large LIQUID and POWDER, 75c At all Stores, or by Mail for the price. HALL & RUCKEL, Montreal.

Mr. Eben James Tells of Apple Culture in California.

Eben James, the Toronto apple exthe trees properly pruned, and it is almost impossible to see a weed grow-

ing anywhere. "As one of the largest receivers of apples for export, and, therefore, havgrowers very much at heart, I could simple. It is 8 P.M ., of course. not but compare these well-kept orchards with many of our own. In the valley I speak of, which is about 15 miles long by 8 wide, it would be impossible to find one orchard that is sult -- Dodd's Kidney Pills Have Cured not in the highest state of cultivation. I am not referring now to the com-Dromore, Ont., May. 27.-Special.- paratively few sections in Canada where growers have awakened fully to the value and the profit from good are even foolish enough to argue ulation is from 100 to 150 to the square simply means stick. This is because

"Canada can, on account of the northern location, grow

BETTER KEEPING APPLES than most sections of the United States, yet at present we supply only about one-third of the total apples exported for consumption in Great ways be sale for all the good apples the list, with four deaths only, we can market for many years to come. While the acreage may be getting larger, the older trees are

beginning to fail. "Quite an evolution is taking place in the fruit trade, and from now on it will be vary hard to market the inferior apples. Even the local markets which formerly were comparatively indifferent to quality, now insist on having No. 1 apples or nothing, and the sale for No. 2 is extremely limited. An orchard cannot produce good fruit without proper care any more than a cow can produce milk without food; the trees must be manured and pruned and

the second or third year, and nothing will pay a grower better. A low price is exceptional, as in many years apples will average double. Why, then, neglect the orchard? We want to help our own in the competition of the competition want to help our own in the compe- stilled in my mind so great a revertition of export apples, and the grow- ence for grammar I am almost sure

The Dawson Commission Co. Limited, Cor. West Market a

old well established brand?

RAMSAY'S PAINTS

have been established in Canada for sixty years. Everyone who has used them wants them again. Drop us a card and ask for

BOOKLET "K" FREE

telling you all about it and showing some nicely painted houses.

PAINT MAKERS,

MONTREAL

will only cultivate; therefore let us

orchards. These should be grafted or has not been equalled in any decade planted out in large quantities of few since. varieties. In Maine and the New England States one can find thousands of Minard's Liniment Cures Carget in Cows. trees of the same sort, and the orchard with a few marketable varieties is considerably more valuable than one with a great many. The Spy is a coal dug in the world in the 19th Canadian apple that only attains its century, 5,800 million came from best here in this country. The Bald- Great Britain. win, King, Greening, Russet, Canada

matters in a practical way a great ernment railways. a benefit would result to growers." JUGGLING LETTERS AND FIGURES

Little punning catches are appreciated by a good many people. Here is an old one that is good; If a father gave one of his sons

though the quality may be as fine.

nineteen cents and the other six cents, what time would it bef The answer is Quarter to two. And here is one of more recent

If a postmaster went to a menagerie and was eaten by one of the wild beasts, what would be the hour? Perhaps you'll have to think this ing the interests of the Canadian over a little. Yet the answer is very

And here is the latest yet: If a guest at a restaurant ordered a lobster and ate it, and another guest did the same, what would the latter's telephone number be? It would be 8-1-2.

Laxative Bromo-Quinine Tableta the remedy that cures a cold in one day

Of 36,000 children admitted to British reformatories in the last 10 Minard's Liniment Cures Distemper. farmers regarding their orchards years, 23,000 have been apprenticed

For Over Fifty Years MRS. WINSLOW'S SOOTHING SYRUP has been used by It soothes the child, roftens the gums, allays pain, cures wind colic, regulates the stomach and bowels, and is the best remedy for Diarrheea. Twenty-five cents a bottle.
Sold by druggists throughout the world. Be sure and
ask for "Mrs. Winslow's Soothing Syrup."

London shows the record in loss of Britain, and with the increasing Unit- life from fires, its death-roll from ed States home demand there is no this cause being 83 per million inhabireason to fear but that there, will altants. Munich is at the other end of CALVERT'S

> Stratford, 4th Aug., 1893. Messrs. C. C. RICHARDS & Co. Gentlemen,-My neighbor's boy, years old, fell into a tub of boiling water and got scalded fearfully. A few days later his legs swelled to three times their natural size and, broke out in running sores. His par-MENT, which, after using two bots tles, completely cured him, and I know. of several cases around here almost Liniment and I can truly say I never | 500 illustrations, mailed free. Write us for any handled a medicine which has had as good a sale or given such universal M. HIBERT, General Merchant.

Between 1861 and 1871 British factortes turned out two million miles of "Another important matter is the linen goods, made from 598 million a perfect liquid dentifrice for the number of varieties of apples in many pounds worth of flax. This record

Of the 12 thousand million tons of

known in the markets and always sell Minard's Liniment Cures Colds, etc. for more than some unknown kinds,

The National Debt of Norway and "I assure you if all the growers in Sweden is only £19,600,000, less by Canada would only consider these £200,000 than the value of the Gov-Minard's Liniment Cures Diphtheria.

> cludes hares, pheasants, partridges, grouse, black game, ptarmigan, and

Game, according to English law, in-

\$100 Reward, \$100. The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages and that is Catarrh. Hail's Catarrh Care is the only positive cure now known to the medical traternity. Catarrh being a conslitutional disease, requires a constitutional reatment, Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby des troying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprieto's have so much faith in ) its curative powers, that they offer one Hun-

ired Dollars for any case that it fails to cure, Send for list of testimonials. F. J. CHENEY & CO., TOLEDO Sold by druggists, 75c. Hall's Family Pills are the best

Among the richer classes 343 h 1,000 live to 60 years of age, in the middle classes 175 do so, and 156 only of the labouring class survive to reach 60 years.

The word "garotte," the name of the In country districts where the pop- Spanish instrument of execution,

Family Hotel rates \$1.50 per day.

The estimated value of the Falls of Niagara, if the whole force of the falling water were employed electrically, is £300,000 a day, or 108 milloons sterling a year.

W P C 1078

CARBOLIC OINTMENT. For all skin ailments.

J. C. Calvert & Co., Manchester, England

Instruments, Drums, Uniforms, Etc. EVERY TOWN CAN HAVE A BAND Lowest prices ever quoted. Fine catalogue

SHEET METAL DOUGLAS BROS.,

CORNICES. TORONTO,

or Dyed; also Ladies' Wear of all kinds, and House Hangings of every description. GOLD MEDALIST DYERS.

BRITISH AMERICAN DYBING CO'Y, Montreal, Toronto, Ottawa & Quebec. Dominion Line Steamships

Montreal to Liverpool. Boston to Liver-bool. Porsiand to Liverpool. Via Queens-

Large and Past Steamships. Superior accommodation for all classes of passengers. Baloous and Staterooms are smidships. Special attention has been given to the becond Saloon and Third-Class accommodation. For inter of passage and all particulars, apply to any agent of the Company, or

LEAD PACKAGES, If You Want best results SHIP all your APPLES. other FRUITS and PRODUCE,

> \*\*\*\*\*\* There is a good paint and a bad paint. The choice lies with you. You can-and probably will - get poor paint if you are indifferent about it. Why not ask for a good



New Size SOZODONT LIQUID, 25c SOZODONT TOOTH POWDER, 25c

TAKE CARE OF THE ORCHARD.

porter, has recently returned from trip to California, While absent Mr. James visited the Newton Pippin district. In a letter to The Sun, dealing with the impressions received while away, Mr. James says: "I was very much struck with the extreme care which the American growers take in their orchards; these are plowed up,

looked after in the best possible manner. Results will certainly show in

ing conditions are favorable if we I could have been a poet.

It is a mistake to offer your friends inferior ten when you can just as easily give them Blue Ribbon Ceylon Green.