

INTRODUCTION OF HOME RULE BILL DELAYED

By Special Wire to the Courier. London, July 20.—(Montreal Gazette)—The Daily Chronicle's parliamentary correspondent says: "The signs are that the new Home Rule bill will not be introduced until Thursday. In Nationalists and Liberal circles, the delay in its introduction is deplored. Rumors are current that it may deviate from the terms of settlement, to which John Redmond and Sir Edward Carson gave their adherence. It that should prove to be so the government is asking for trouble. "It is said that the Unionists are pressing for the inclusion of the word 'permanent' in the bill as applied to the exclusion of the six counties from the sphere of the Home Rule parliament. The word is quite superfluous, for it is common ground that the excluded areas will not come within the ambit of the Irish parliament except by their own consent. Moreover, no act of parliament can bind or mortgage their future inclusion. This superfluous word 'permanent' would, therefore, wear the appearance of a deliberate challenge to the Nationalist members. "If the bill simply carries out the agreement arrived at, and is pushed through with alacrity, the situation may yet be saved, but the outlook is not promising. A sinister feature is the recrudescence of the old implacable Unionist spirit in so large a section of the English Conservative party. The temper bodies ill for the future. Were the Irish settlement to be wrecked by the reactionaries, the effect on American opinion would be profound, and our difficulties at home would be greatly magnified and intensified."

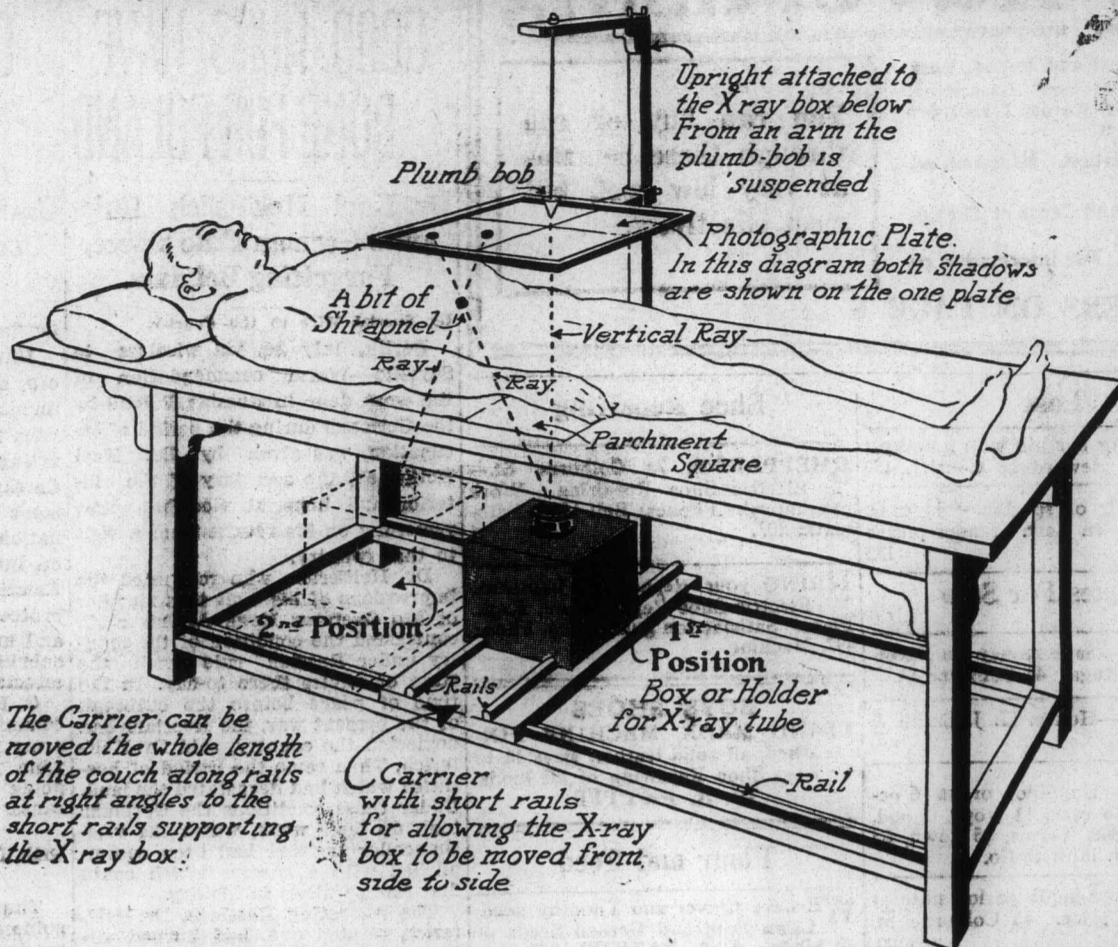
How a MAGICAL EYE and EAR Are Now HELPING SURGICAL Science

THE wounded soldier in the greatest of wars has the benefit of many wonderful inventions. Science has perfected an eye that not only can see the bullet or fragment in the body, but can also fix its exact location; which is an improvement on the formerly accepted X-ray revelation, marvelous as it was. And where this newly efficient eye cannot see the telephone comes into play. Think of a bullet telephoning its location to the inquiring surgeon! But that is just what is being done. A London surgeon recently made a quick and simple demonstration with a potato serving as a subject, and our illustration shows the method. In the old way an X-ray photograph would be taken of a foreign substance in a man's body, but, as in the case of a bullet or a fragment of shell, it was not sufficient to localize it for surgical purposes, inasmuch as space has three dimensions, and a single shadow picture gives no certain knowledge of the depth to which the foreign body has penetrated, or its position in relation to other structures. But the new method meets all of these points. When the patient is on the X-ray couch the negative is placed in position above the part to be radiographed, and on the negative is placed a small apparatus consisting of two metal cylinders and a steel rod, all of known length. A radiograph is then taken with the bulb from which the X-rays emanate slightly out of centre; then, without moving the patient or the negative, the bulb is shifted about ten centimetres in the opposite side, and another exposure is made on the same negative. When the negative has been developed, all the bodies between the X-ray bulb and the plate have thrown double shadows. By drawing lines from the dark edges of the shadows of the cylinder until they intersect each other, two measuring points are set up. The pieces of shrapnel in the limb have also cast double shadows, and by drawing lines from these to the measuring points an intersecting point will be obtained, and directly beneath this point the foreign body will be found. By a further calculation the exact depth can be ascertained. The illustration is indicated in the diagram given herewith, which shows also the process of operation of this wonderful contrivance. It is Sir James Davidson, consulting surgeon of the Roentgen rays de-

Wonders of the New Device That TELEPHONES the LOCATION of a BULLET in a SOLDIER'S Body



partment of Charing Cross Hospital, who describes the telephone in surgery, which he has tried with the greatest success. His apparatus consists of a special instrument, with double receivers. One end of the telephone wire is attached to a small piece of platinum, which is placed upon any part of the patient's skin near where the wound is supposed to be. This platinum is held in position by plaster or a bandage, the other end of the telephone wire being in the form of a distended thread of silver, which is used because it can be readily attached to any of the surgeon's instruments—a knife, a probe, needle or pair of forceps. The only precaution necessary is that the attachment of the terminal wire of the instrument should be firm. If the surgeon then attaches the telephone receiver to his ear and begins to use his instrument upon the tissues he will hear with great distinctness what is known as a microphone rattle, the instant the instrument touches any metal embedded in the patient's tissues. The value of this apparatus to surgeons on the battlefield is obvious, but Sir James points out that for those who wish to test the efficacy of this latest scientific discovery, it is not necessary to have a man from the trenches with a bullet or shrapnel lodged in him. To demonstrate the value of location of the patient in which the metal for-



The Carrier can be moved the whole length of the couch along rails at right angles to the short rails supporting the X-ray box.

Upright attached to the X-ray box below From an arm the plumb-bob is suspended. Photographical Plate. In this diagram both Shadows are shown on the one plate. Vertical Ray. Plumb bob. Carrier with short rails for allowing the X-ray box to be moved from side to side.

elgn body is lodged, and a common nail, well embedded in the substance of the potato, may represent a fragment of shell or shrapnel. The potato is placed upon a piece of platinum foil, moistened in the usual way, on a table. The telephone is then connected up in the manner which has been described, both to the platinum foil and also to the knife, which is steel throughout. The potato is incised with the knife, and the moment the blade touches the nail a grating sound is heard, and is repeated whenever the contact of the knife with the nail is repeated. Talking of bullet wounds, Sir James refers to the popular fallacy that if a bullet, a piece of shrapnel or the smallest gun-shot is lodged in the human body, it is bound to do a great deal of harm to the constitution. In fact, he says, there seems to be an impression abroad among soldiers that their chance of employment is diminished if they are known to have a bullet embedded somewhere in their bodies. After referring to the fact that the tendency of army surgeons today is to obtain as much as possible from those extensive surgical operations which, in former days, sometimes left a patient with a far larger and more serious wound than any modern bullet could produce, he says that experience has shown that the human body has a remarkable tolerance of foreign bodies, such as bullets, and that the sooner the popular fallacy referred to is removed the better. In other words, a man with a bullet embedded in his flesh may be quite as strong and healthy as any other man.

COUNTY CORRESPONDENCE

BURFORD

(From Our Own Correspondent) Mrs. McCalum visited in Tilsonburg last week. Mrs. Handy, of Brantford, is the guest of her sister, Mrs. Silverthorne. Miss Jean Park is visiting her aunt Mrs. Haylow, at Oxford Centre. Mr. McClay has moved to the house he purchased from Mr. E. Johnston, at the west end. Born, July 14th, to Mr. and Mrs. Gilbert Terryberry, a daughter. Miss E. Vansickle, of Brantford, is visiting her parents, Mr. and Mrs. Vansickle. Mr. Chas. Jull is seriously ill. Mr. Emanuel Pearson had the misfortune to break his leg on Monday. Miss Regan, of Ancaster, is visiting her cousin, Miss Templear. Miss M. Petrie of Toronto, is the guest of Miss Myrtle Rutherford. Mr. Geo. M. Rutherford has purchased Mrs. Sharpe's house on King St. east. Miss Sadie Tapley has been visiting in Paris. Mr. and Mrs. Morley Stuart and children, of Melville, Sask., are visiting Mr. H. Stuart. Mr. W. W. Robinson spent a few days last week with his mother, Mrs. N. Robertson. Dr. W. Kem, of St. Paul, Minn., spent a few days last week at the parental home. Mr. Ira Wooden, of the Cornish House had a serious accident about four miles from Paris last Friday, when a wheel came off the car he was driving, throwing Mr. Wooden into a stump fence. All business places in the village now close at 7 o'clock p.m. on Mondays, Wednesdays and Fridays. No business will be transacted after this hour. Mr. McCann, who has been living with his niece, Mrs. M. Marshall for some time, died on Tuesday of this week. Mr. McCann, who is quite an old man, has been ailing for a long time. Mr. C. N. Woodin has moved two large boilers from the cars, and put them in place, at the milk drying factory.

HATCHLEY

(From our own correspondent.) The church services were held out doors last Sunday. Open-air services will be held during the remainder of the warm weather. A large number from here attended the garden parties at Norwich Gore and New Durham last week. Mr. and Mrs. Will Burtis, of Burford, and Mr. and Mrs. Will Morris, of Harley, spent Sunday with Mr. and Mrs. Edison Burtis. Miss Alberta Robinson has returned home after visiting her sister in Ridgeway. Mr. and Mrs. Knowles and children spent one day last week with relatives in Brantford. Mrs. G. H. Morris is visiting relatives in Hamilton. Mr. W. F. Robinson has moved into the house on Mr. Dean's farm. Hazel Beckham, who was unable to write the Entrance examinations on account of illness, has been granted a certificate. Born, in Detroit, to Mr. and Mrs. Charles Maxon (nee Miss Florence Powell) a daughter. Mrs. Robert Root is visiting her parents at Guelph. The handsomen of the Orangemen's Lodge of the Kelvin District, took the special train here for Tilsonburg on July 12th. The results of the promotion examinations of S. S. No. 19, Burford, are as follows:— Primary A.—Gordon Malcolin, Beatrice Penny, Edwin Ovidland. Primary B.—Harley Price, Elgin Malcolin. First Class.—Fred Knowles, Mabel Malcolin. Second.—Marshall Dean, Bell Bradley, Harry Knowles, Lloyd Sil-

NEWPORT

(From Our Own Correspondent.) A few of the neighbors of this vicinity spent a very pleasant time at the home of the Rev. James Drew, on Wednesday evening. Miss Carolyn Emmott attended the convention of the Methodist Epworth League, at Oakville. Master John Hoyland, of Toronto, is the guest of Mr. and Mrs. George E. Wood. Miss Emma Charlton has returned home from Delhi. Mrs. Milton Chaplin, of Flint, Mich., is the guest of Mr. and Mrs. Frank Chaplin. Miss Annie Drew is spending a few days visiting at Preston. Master Cecil Wood, Brantford, is spending a few days with Mrs. George Wood. Miss Grace Cromar, Brantford, spent Wednesday with Mrs. Wood. Miss Mabel Phillips spent Tuesday in the city. Miss Lillian Wilson has returned home to the city after having spent a pleasant visit with Maud and Mrs. Alex. Wilson.

LANGFORD

(From Our Own Correspondent.) Mr. and Mrs. John R. Vanderlip, city, and Mrs. (Mrs.) Gilbert, Bay City, Michigan, called on Mr. Truman Westbrook one evening last week. Miss Helen Lane was the guest of Mrs. Rob. Ireland part of last week. Miss Hazel Mattice and Master Harold Mattice, Simcoe, spent the week-end with their aunt, Mrs. M. E. Vanderlip. Mrs. John Hunter is entertaining her two nephews from Buffalo this week. Mr. John L. Graydon, Pieton, spent over Sunday with Mrs. Graydon's mother. Mr. James W. Westbrook has a new McLaughlin car.

RANELAGH

(From our own correspondent.) The weather has been very warm during the past week. The farmers are very busy working at their hay. It is a fine crop. Miss Orpha Terryberry has returned after spending some time in Hamilton. Some from here attended the celebration of the Orangemen at Tilsonburg on the 12th. We are glad to report that Mrs. John Hogard has recovered from her illness so she can walk out and call on her neighbors.

SALEM

(From our own correspondent.) Mr. B. Rutherford and family attended the Burgess' picnic at Drumbo last week and report a lovely time. We are sorry to hear of the very serious illness (pneumonia) of Miss Aerial Davis. Mr. Ray Porter spent the Sabbath at his home here. We congratulate him in regard to his recent exams. Mrs. Burgess, of London, spent a few days with her daughters in this vicinity. The last news received from her son, the wounded Pte. Edith, he had undergone operations and had been returned to England, but in spite of all, writes a very cheerful letter. He thinks "Old Billy is whipped, but does not like to own it." Dr. and Mrs. Meldrum spent Sunday evening at the parental home. Mrs. Smith has been under the

VANESSA

(From Our Own Correspondent.) Miss Charyn Henry and Miss Nellie Ripley spent Sunday with Ed. and Mrs. Walker. Misses Irene and Nellie Durham spent Sunday with George and Mrs. Pettit. Mrs. Tom Arthur and John and Mrs. McNellis spent Sunday with James and Mrs. McNellis. Nathan and Mrs. Proper and Geo. and Mrs. Robinson were calling on Melvin and Mrs. Wardell on Sunday. Miss Vera Warsaw is visiting at Lynnville. A large number attended the Orange sermon at Kelvin on Sunday. Mrs. Will Lewis and son are visiting her parents for a few days. Mr. Edgar Holmes of Brantford, spent last week with Geo. Walker.

KELVIN

(From Our Own Correspondent.) The farmers in this vicinity are very busy these days with their haying, and we understand farm help is rather scarce this season. Mrs. David James of Scotland was visiting Mrs. Wardell one day last week. Mrs. R. Hare, who has been spending a week with her parents here, has returned to her home in Port Dover. Mr. John McNelles was calling on friends in this section one afternoon last week. The strawberry crop is nearly ended for this season.

How Long Can a FLEA Live?

WHAT is the life span of a flea? It doesn't seem to be a question to worry about particularly. Most of us would die happy were it never answered. And yet there are scores of scientific men in every quarter of the world who are working day and night upon it. These are the men who have discovered that this pestiferous little insect is one of the chief agents in spreading the bubonic plague. It derives the germs of the dreadful disease from rats, which it infests, and, when taking a meal out of a human being, imparts them to him. It is pretty well established, in fact, that if there were no fleas there would soon be no bubonic plague, and thousands of deaths would thus be obviated every year. As every effort to exterminate the flea has failed, the question as to how long it lives is one of the very first importance, from the sanitary and medical standpoint. Which explains the earnestness with which an answer is being sought. Observations to this date have yielded rather unsatisfactory results. It is pretty well established that the British rat flea, the chief offender in the matter of bubonic plague, passes through its developmental cycle in from two to three weeks, although this period may be shortened to ten days by warm weather. There are very many exceptions to this rule, however. Gauxier and Raynaud kept a flea alive on human blood for 90 days. They spent another year in an ice chamber without food, and were amazed to find that it lived 41 days. Dr. Nicoll finds that a rat flea will live apart from its host about seven days on an average, although this period is lengthened by low temperature and light. If the environment of the flea is very moist, or very dry, it dies in less than a week. It will be seen that the problem is far further complicated by the fact that pupae and larvae cling very tenaciously to life. In infected material, such as grain and sawdust, they often live for an entire year.

The Startling Increase of SUICIDE

REMARKABLE statistics have been gathered as to the number of suicides in American cities and their relation to the number of business failures in the same period. During the last 25 years the number of suicides has increased in a steady ratio, no single year falling below the record of its previous year. In 1891, for instance, in 100 American cities with a combined population of 25,000,000, there were 127 suicides, or a rate of 13.5 per hundred thousand of population. Ten years later, while the population had increased 50 per cent, the total number of suicides was 255, or a rate of 16.4 per hundred thousand. Twenty years later, in 1911, there were 460 suicides in a population of about 23,000,000, indicating that the rate had increased to 12.5 per hundred

Readers Going Out of Town

Readers of The Courier may have their paper sent to any address in Canada or the United States during the summer months by merely phoning or sending their new address to Telephone 139, The Courier.

"Vest Pocket" WATER CYCLE

THIS girl knickerbocker is using a "vest pocket" water-cycle, disinfection of her father, who folds-up and carries it when it is not in use on the water. Of course, it cannot be carried in the pocket of a waistcoat, even if it were the garment of the largest "human behemoth" ever exhibited in the circus side-show, but it can be folded and transported without inconvenience. It weighs only 28 pounds.



Operating the Water Cycle.

It is a catamaran fitted with a propeller and mechanism for driving the propeller by hand. The two pontoons are made of rubber and waterproof duck, and may be inflated with a common bicycle pump. They are connected by a light metal framework, which carries the seat and supports the driving mechanism. By means of step-up gearing between the hand cranks and the propeller the latter may be driven at high speed. The boat is steered with the seat, which is connected with the rudder. Mrs. Winchester, an English councillor's wife, who died on Monday, April 20, was born on a Monday, christened on a Monday and married on a Monday. Before she was married her name was Monday.

Western Fair LONDON, ONTARIO September 8th to 16th, 1916 Western Ontario's Popular Exhibition ART, MUSIC, AGRICULTURE, AMUSEMENT'S FINE COMBINATION AT LONDON'S EXHIBITION A Real Live Program of Attractions Twice Daily FIREWORKS EVERY NIGHT New Process Building Every Building Full of Exhibits SINGLE FARE over all Railways West of Toronto SPECIAL EXCURSION DAYS Prize Lists, Entry Forms and all information from the Secretary W. J. REID, President A. M. HUNT, Secretary

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