Semi-Aveekly Telegraph

### SPECIAL NOTICE

As a great number of our subscribers are interested in the Census Guessing Competition, for which prizes were offered to the persons coming nearest to the correct numeration of the population for the Dominion of Canada, a given out by the Minister of Agri-enlture from the results of the recent census, we wish to advise the readers of THE TELEGRAPH that no announcement had yet been made by the Minister of Agricul-

As soon as the Hon. Mr. Fisher has made the official statement the coupons will be sorted out by Detroit and the announcement eral issues, so that all may know

This will save our readers and ourselves any trouble of correspondace in regard to the compe-

THE TELEGRAPH PUBLISHING CO

OTTAWA: Ont., Aug. 16, To PRESS PUBLISHING ASSOCIATION, are some our Toronto: Official figures are Five Million Three Hundred and Thirty-eight Thousand, Eight Hundred and Eighty-three, but they are not final. A. BLUE,

Director of Census. As soon as final figures can be obtained, the awards will be made aty is due to a very small variation in the tions to proceed with the preparation of destroyed Jenusalem and burned Solomon's PRESS PUB. ASS'N.

## IMMUNITY FROM DISEASE.

We have already dealt with the fact ty from disease. Elias Metschnikoff, the substances in solution, so that indirectly Liberal-Conservative committee on organpropounded the theory that natural imor "Phagocytosis." Metschnikoff observed that when arimals, which were immune to anthrax, were inoculated with virulent anthrax bacidi, the leucocytes as will be seen later, it does not explain better results in votes." collected at the point of inoculation and every case and condition of immunity.

micro-organisms; in fact the phagocytes which will not kill an adult of a suscept- mously by the Conservative party. micro-organisms; in fact the phagocytes act as a sort of crematorium for the ible species will frequently prove fatal to Why the book was not issued to the by reminding him of the bad luck which

heory. According to him the blood posrelatively short space of time, to kill not only the bacteria which have been introduced but also the injected blood corpuscles of other animal species. This blood and is not in the albuminoid substances when separted from their salts. This bactericidal power is lost by heating to 55 degrees C., as also by the action of light, by oxygen, by decomposition and by the solution of the red blood corpuseles in the serum. On the other hand, they retain this power by freezing and thawing, attributed to the action of leucocytes. The by Buchner, alexins-protective substances. showing the results of the Census, It is probable that these bodies are alsubject and made statements totally at
the coupons will be sorted out by ready formed in the blood, although the
variance with the main facts, we propose the Press Publishing Association of investigations of R. Pfeiffer show that in to briefly review the whole matter. cases of necessity, that is after the injection of Mr. J. P. Whitney and his colleagues detion of large quantities of infectious SEMI WEEKLY TELEGRAPH for sev- material, they may be formed from the literature of the Tory party in Ontario had cells of the body and pre-eminently from wh) the successful competitors the endothelia and the leucocytes. It is certainly true that the leucocytes contain very powerful bactericidal substances, which they give up to the blood and other animal fluids and which can be artificially obtained from them by maceration.

> It is more highly probable that immunity is caused by the bactericidal properties of the animal fluids which are formed in the cells and given out by them, than that the bacteria are killed within the cell. The chemically poisonous substances are likely in close proximity to the cells and these immediately prevent infection. It is not necessary that there should be great differences in the chemical composition of tissue fluids and the cells of

An illustration of this fact may be reaction of the blood. This recalls the time to time with the leaders of the Tor we have already dealt with the lact that a certain degree of alkalinity is party in Ontario. On the 27th of August necessary to keep these toxal-buminous Dr. Beattie Nesbitt, as chairman of the well-known Russian bacteriologist, has the alkalescence of the blood may play ization, issued a circular letter in which propounded the theory that lattural intermediate the book will conmunity is directly due to the action of It is probable that Buchner's theory plays "The matter which the book will con munity is directly due to the action of leucocytes—the white blood corpuscles a more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles a more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles a more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles a more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles a more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the white blood corpuscles at more important part in natural immunity is directly due to the action of leucocytes—the act This is known as the Metschnikoff theory ity than does that of Metschnikoff; in or "Phagocytosis." Metschnikoff observ fact, the experimental data in support of

ing it:

Most of them entertain the opinion that the leucocytes do not take up the virulent bacteria, but rather the dead or sickly

in the resistance of the adult from invasion that colors with a cantoon of Mr. Ross on the back, and the book was to be issued, not back, and the book was to be issued, not in the name of Mr. Mabee, but anony the lower animals that an attenuated virus in the name of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the Constantine of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the Constantine of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the Constantine of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the Constantine of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the Constantine of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the Constantine of Mr. Mabee, but anony reign of Justinian, a rich Jew played on the lower animals that an attenuated virus in the control of Mr. Mabee, but anony reign of Justinian and the lower animals that an attenuated virus in the control of Mr. Mabee, but anony reign of Justinian and the lower animals that an attenuated virus in the lower anim

have apparently completely recovered and have been again inoculated with another is, as yet, no explanation of this latter munity do not explain it.

## FACTS ABOUT MABEE.

The Mabee pamphlet is not of sufficient so that this property cannot be directly provinces to warrant the space that some identical with nuclein have been termed have devoted to it, but in view of the circumstance that they have introduced tin

cided early in the year that the campaign decided to publish a different style of literature for the voters. Mr. Whitney had evidently been studying the campaign the United States, because last spring he Bryan pamphlets asking for the name of writer happened to be a Mr. Mabee, who, of the opposition in Ontario, agreed to visit Toronto. There he consulted Mr. Whitney, Dr. R. A. Pyne, M. P. P., Dr. golden vessels. Beattie Nesbitt (chairman of the committee on organization of the Ontario Libimmune and non-immune animals. In eral-Conservative Association), and others. tuibutions, on a lavish scale, were constant-After this Mr. Mabee received instructly pouring in. In 586 B. C., the Chaldeans the Tory Mabee pamphlet.

About the middle of August Mr. Mabec observed in the resulting loss of immunity had practically completed his work, which the brass to Babylon. They also took from a very slight change in the chemical he had prepared after consulting from

Mr. Mabee proceeded to canvass the various In reward for an important service ren-Susceptibility to disease is also depend- constituencies of the province regarding he observed the same phenomena. He ent upon age. The young are apparently the sale of the pampirlet and found that a Jewish physician, named Gueazar Ben stroyed the bacteria phagocytes. And adults. Thus we find children are very the men mominated as Conservative cantressures of the Temple and has recorded these in turn he divided into micro- susceptible to diphtheria, whooping cough, didates with the leadership of Mr. Whit- the result of ints observations. When phages—polynuclear leucocytes—and ma- scarlet fever, croup, measles, etc., while ney and the management of the party as Genseric, Prince of the Vandals, plundercrophages—large unicellular fixed cells grown up persons show a certain immunwhich chiefly occur in the spleen ity to some of these diseases. Still, the intensity of the disease when an adult is once infected with one of them, indicates the work of the publication of the book Africa, where they remained for nearly a Metschnikon theory and, briefly, have are once injected with one of them, indicates at the following conclusion regard that the immunity from them lies more in the resistance of the adult from invas-

are quite immune to this poison. It is find difficulty in getting the public to ac bacterial poison, are much more sensitive to Conservative and Liberal papers his bacterial poison, are much more sensitive to the latter than are fresh animals. There to the latter than are fresh animals. There of the Tory party and no doubt while he phenomenon, and it must be confessed was writing the work for which he had been imported (the anti-Ross Tory pamblood, phagocytosis or the alexins of im- phlet) he felt that he was a Conservative working congenially for the good of the with that party he felt that he could There are many other points connected with this incident which show up the Conervative party in a very bad light.

"machteh" or fire pan used in connection with the Temple sacrifices. This interest ing find has prompted "The Menorah," a of the Temple paraphernalia, of which the gold and silver vessels alone number 5,400. Scon after Solomon's death, Shishak, King of Egypt, captured Jerusalem (B. C. 972), turn for assistance rendered, Ahaz, King hard with us to win free legs for the of Judah, bestowed on Tighath Pelesor, autumn road, but it is questionable if remunication with him. In this case the further cut to pieces King Solomon's

The explanation given for so much booty over, a quality about the autumn walk for the Boers. The British generals have Temple. They broke the brazen pillars, the brass and molten sea, and carried off which they likewise conveyed to Babylon. These vessels were subsequently returned to Jerusalem by order of Cyrus, who conquered Babylon, B. C. 538. At the final lence, but also in her reticence. Progress destruction of the Herodian Temple, which by easy stages is out of question in the holy vessels were carried to Rome and do gait is bracing to the interiect as well of that country about which we in canada smash everything in sight if the commer-posited in the Temple of Peace. On the as invigorating to the system. The beauty generally know so little. The city of Mexico cial treaties are not renewed. Probably beautiful arch erected by Titus which is of the landscape is appreciated more than with its population of 330,000, is one of beautiful arch erected by Intus winch as of the landscape is appreciated more than the finest, healthiest and, in many restill standing, the carved reliefs of the lifthe denser foliage of summer shortened the finest, healthiest and, in many restrict this would be true "Deutscher" style. "Menorah," or seven-branched candlestick, the view among the trees and almost opthe golden table, and the silver trumpets pressed with a sense of everlasting green places of residence on the North Ameri-On the issuing of this circular letter of the Temple are plainly seen.

act as a sort of crematorium for the bacilli. This view is correct in many instances, but Metschnikoff and his followers maintain that the leucocytes absorb virulent bacilli and that the living micro-

# Overcoat Weather.

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esting relies which carry us so far back

particularly through the country, during and ransacked the treasures of the Tem- ful and something that, it is safe to say, ple. In the year 840 B. C., the gold and the majority of provincialists fail to apsilver vessels were removed to Samaria preciate. The majority of us, it is true, of the Temple. Next, Nebuchadnezzar fully take advantage of it. Walking has raided Jerusalem (B. C. 596) and of always been commended as healthful course looted the Temple treasures; and Fresh air and sunshine know nothing of to dolefulness of ideas. There is, more-battles, 1,094 have proved decisive victories cheery than that of the heat of summer mal enjoyment of the contemplative life. The summer walk, with frequent halts in the shade, favors the kind of study him who will feel and understand it. It Patrie must have seen pretty hard times." is productive of rumination and subtle nipping November air. One may think

the country on the silent steed or any

with the Ark of the Covenant, ordered he who is able to take advantage of the credit for this state of affairs not to any

## PRO-BOER STATISTICS.

during the past two years. This is the decent fellow, however, and the steady men killed and 300 men and 17 officers been 3,189,180 killed, including 60,000 offi- clined to begrudge him his power, but cers, and 190,000 men and 8,000 officers rather to congratulate Mexico that is taking 2,160 from the British. Of the 1,101 been peculiarly unfortunate. No fewer than 71 have been killed. Lord Methuen as is the freedom of it than the walk of was so ill-fated as to be killed seven times monastic discipline, enjoined as conducive in four months, General Kelly-Kenny has merely to bodily health and to the nor-had his head blown off three times, while iously ill. "Bobs" has lost five legs and nine right mother of invention," remarks the London that the summer landscape requires of Globe, "the special correspondents of La

## MEXICO AND IT'S MASTER.

less, but he sees more, and the rapidity tention to the progress and prosperity instead of with the variation of bare can continent. It has a large English and States is asking an appropriation of four branches, leaves fallen and brown, vistas American element and has daily news- millions of dollars for additional coast of distant hills and lakes and rivers. The papers in English as well as in Spanish. defences, which reminds one that it would evening meal is relished with a hearty ap- The commerce of the country is steadily have been very interesting had the Spanpetite and the early nightfall with the expanding and its industries are regularly jards sent their fleet to drop a few shells chill of night bring to the November increasing. There are 107 cotton factories, into Boston instead of dodging around shelter during the dark which is exceeded of pounds of raw cotton, about half of in appreciation perhaps only by the snow- which is of native growth. Maize is the autumn air is equally attractive. than twenty thousand cattle ranches, raisand most cumbrous means of transport lions of people, although generally reputed

and has vigor of action accompanying, has absolute control over them which is maina pleasure that many less fortunate look tained by President Diaz, who is generally conceded to be practically a dictator. General D. Porfirio Diaz was first elected president of Mexico in 1876 and it is said

## It is expected that the gold yield of

ing the King's birthday a holiday. The

the elections are over, the Americans will The assembling of the Pan-American probably again devote themselves to dis



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