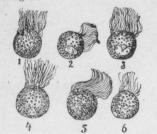
THE EPIDEMIC LA GRIPPE.

"RUSSIAN INFLUENZA" CAUSED BY AN INFUSORIAL PARASITE.

Asthmatos Ciliaris a Familiar Acquaint nee of Scientists for Years Past—How He Looks Under a Microscope—Blundering Doctors Treat Him as "a Common Cold."

Telegraphic reports of the spread of the so called "Russian influenza," or "la grippe," demonstrate that it is a veritable epidemic. Each victim is likely to prove a center of infection for all about him. So it spread fast in Europe and it has already shown itself at least to some ex-tent in America. And it has always been communicated by infection as now. Phy-sicians — many of them — ignorantly treated it as "a cold," doing more harm then word than good.



According to newspaper reports there are even yet gentlemen writing "M. D." after their names who say: "We hope we shall succeed in locating the 'grippe' bacillus." That was done with scientific perfection as long ago as 1865, by Dr. J. H. Salisbury, of New York city. Dr. Salisbury was in charge of the state laboratory of New York, under the state geological survey, from 1846 to 1854, is known to scientists all 1940 to 1954, is known to scientists an over the world as an eminent "living microscopist, and has treated many" thousands of cases of this disease. As long ago as 1873 he gave to the world, through Dr. Hallier's "Zeitschrift fur Parisitenkunde (Jena, Prussia) — the world's leading journal of microscopy---the results of his long continued and exworld's leading journal of microscopy--the results of his long continued and ex-haustive study of the animalcular organ-isms causing this disease, named by him asthmatos ciliaris. W. Saville Kent's great "Manual of the Infusoria"--throe large volumes published in London in 1882, and universally recognized as the highest authority--recognized and con-firmed Dr. Salisbury's discovery of the interesting little creature, and honored it, from a scientific point of view, as the it, from a scientific point of view, as the first and only known representative of the genus asthmatos (the name given to it by its discoverer).

it by its discovere). Dr. Salisbury's article in The Zeit-schrift fur Parisitenkunde gave the name "infusorial catarrh" to the dis-ease, and presented the following por-traits of asthmatos ciliaris—its cause. The descriptive article contributed by bim to the journal in question was as him to the journal in question was as follows:

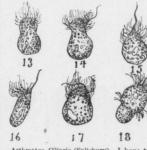
him to the journal in question was as follows: Infusorial catarrh is purely a parasitic disease. Arising from a peculiar animalcular organism armed upon one side with cilla. This organism assumes a great variety of shapes and sizes. By watching its development and metamorphoses under the microscope, it may be seen to transform tisef into all the different forms represented in the figures from 1 to 17. The mdst usual shapes appear to be either spherical or oval, as seen in Figs. 1 to 8. Each frequently sends out a probocks, at the end of which is a dilated and elong gated cilium, as represented at 14, 16, 16 and 17. This probocks may be in the center of the mass of cilia, as it to 76, or a tone side, as at 14 and 17. It may be drawn in, leaving a nipple like elevation, as at 10, or may disappear entirely, leaving the form, are spresented at 13 and 14. It may be simply a largely dilated cilium, as at 17 and 18, or the cell walls may go out, forming a more or less tharp protoced with the parent cell. The parent cell, as the mature are discharged at the end to fto or discover form a set 15. The parent cell argent is the set of the mass of cilians as the set of the set of the mass of the form, as the set of the set of

time. The aperture soon, however, closes, the wrinkled, shriveled condition of the saw valis di-phump and lively as ever. The clinic arcs in active motion during the greater part of the life exists one of the animal, and produce a most aggravation in the second second second second second second particular of the much second sec

XVers,

from the surface invaded, are large, round nucuus sels, not differing materially from those in health. Soon, however, they begin to be shrunken and jagged, and in a few days they assume—many of them—the appearance and characters of pus cells (muco-pus). The secretion is thin, clear and wa-ing dinker and more turbid. The cough is short and somewhat painful, and the invaded surfaces for invited and more turbid. The cough is short and somewhat painful, and the invaded surfaces for a small quantity at each time, and relieves the invitation and itching but for a few moments. Whenever the parsites are developing rapidly on the velum palati most intense paroxysms of users are accompanied. Surface of the throat only—exciting constant de-ing to cough. In such cases the invitation will always be on the side on which the massi passage is closed. Under such circumstances, inhaling remedies through the mouth very often fails to check the coughing markiton on the posterior ariae of the wing of the palate on the side of the nast toppage, and are constantly working down into the larynx and pharynx on that side. Asten the simular bronchi and air cells—espe-cially in viriable and sensitive constitutions-and often become distressing and almost uner-durable. Any excilement in the circulation ag-ation with the transmission is not very readily accounting symptoms. The eventual and night is virease of the disease belongs to those that my bartassitie symptoms on its to the spati-stress of the disease. Family for mark the spati-tic virease of the disease setting in a surface of the mass interess the surface of the my excitation to inder the microscopie for many hours together in exoting days to the examinations i, have taken that eases of the disease. That of my late cases, i should ster that that taken the presention to inder the microscopie for many hours together in exoting days to the externition of the presence of the paristic in from four to elight days affer beginning to treat a case. In all of my late cases, i should st

deal or motionless. By inhaling at short intervals and thoroughly one leaves no chance for the parasites to get very numerous; and sooth the follicles become perme-ated with the inhaled materials, and the cause is entirely destroyed.



Asthmatos Ciliaris (Salisbury).—I have taken the liberty to give this little parasite a name-which, perhaps, a more extended acquaintance may deprive it of. It may be found to be one of the many forms that are already described that inhalt stepranat and running waters, and under certain conditions fermenting organic matter. The figures from 1 to 18 represent the different phases of its existence. They are magnified from 200 to 5.1 diameters. In Figs. 7, 8, 14, 15, 16 and 17 are seen the young cell developing inside the narcut cell. parent e

parent cell Dr. J. H. Salisbury, upon being asked if he had anything new to add now to whathe had written in 1873, 'replied: 'No more than a recommendation to inhale menthol and camphor. Both are de structive to the life of the animalcule, the former particularly so. If attacked promptly, the living organisms can all be killed off within twenty-four hours, though more are likely to be reproduced from germs for three or four days, and the disease will re-establish itself if the treatment is not kept up for that length treatment is not kept up for that length of time. If allowed to run its course without treatment the disease will last about a month. By the end of that time these infusorial organisms will have so poisoned the secretions and the surfaces of the tissues they infest that they can no longer live in them and the disease will 'get well of itself.'

"Until then the affected person spreads them abroad for the infection of others, not simply in the secretions discharged from his nose and throat, but by his

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"I can recommend Ayer's Pills above all others, having long proved their value as a

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San Diego, Texas. "I have used Ayer's Pills in my fami-ly for seven or eight years. Whenever I have an attack of headache, to which I am very subject, I take a dose of Ayer's Pills and am always promptly relieved. I find them equally beneficial in colds : and, in my family, they are used for bilious complaints and other disturb-ances with such good effect that we rare-ly, if ever, have to call a physician."— H. Voulliemé, Hotel Voulliemé, Sara-toga Springs, N. Y.



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impotant t ORaiload Men

A E. Smith has been for forty-nine years road A E. Smith has been for forty-nine years road master on the Boston & Maine system, and is now residing at Great Falls, N. H. He says track-men, brakemen, firemen, engineers and con-ductors, as well as baggage masters and ex-pressmen, are subject to kidney disease above all others. All, therefore, will be interested in the statement of his experience. "I have used Brown's Sarsaparilla for kidney and liver troubles, and can truly say it has done more for me thian all the doctors I ever employed, and I have had occasion to require the services of the

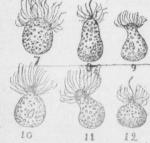


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heat and irritation in the parts that e coupling. This tendency to cough necesses as they and the irritation wel farther and farther down the aff Then the larger bronchil are reached , feverish pain is felt in the parts accompanied by flushes of heat and

they invade, accompanied by flushes of heat and dever. This stage is accompanied by most intense parograms of coughing, which are frequently ong and mess painful, specially in the morning, if the parasite makes its way into the smaller pronchi and air cells athmatic symptoms of a distressing character often supervene. The dis-case may continue according to the temperament dense the intriation and state of health of the pa-dient; the irritation assumes a chronic form, and hey disappear. In irritable, sensitive constitu-tions the irritation in the fances, larynx, pharynx; and pronchil becomes no great that the parts spasmodically close in attempts to swallow or to inhale air charged with anything which excides imfamed parts. I have no douts from what I have seen that death may have occasionally occurred in the acute stage of this disease, from spasmo of the pharynx and epiglotts.

breath. I have a great many cases of the disease to treat, and would catch it every day of my life if I did not constantly employ preventive measures, the principal of which is the inhalation of menthol. As it is, I do not have it more menthol. As it is, I do not have it more than two or three times a year, and then, of course, put a stop to it very quickly. It is not at all dangerous and is easy of cure, if properly treated." To give the inquirer a view of the di-minutive stranger Dr. Salisbury pro-cured some discharges from the nose and throat of a patient who had been at-maked with means" the large for the second

and threat of a patient who had been at-tacked by "la grippe" the day before and under treatment for about twenty hours, and put them under a magnify-ing power of 400 diameters in the micro-scope. No living organisms were found in the specimen of secretion from the nose, but in that from the threat two lively specimens of asthemates oliarie lively specimens of asthmatos ciliaris presented themselves. One was exactly like Fig. 3, only that the cilia were shorter than in the illustration; the other was three times as large, swollen with young and bore a fringe of cilia on one end, like Fig. 14, except that there was no proboscis visible. The ciliary motion was clearly observable in both, and in the larger one there was also a perceptible pulsating movement in the swollen center.

It may be positively affirmed that now, thanks to Dr. Salisbury, we know all that is to be known about "la grippe." J. H. CONNELLY.

115, 117, 119, 121. FEDERAL STREET ALLEGHENY, PP

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Idleness is a Dangerous Fault In the Kidneys. When inactive they speep I and the Giserpair. Those obstinate and fau mindles, Bright's discuss and diabetes, ensi-with terrible certainly upon the function, with terrible certainly upon the function enuresis, gravel and strangury are also to be a prehenced from a partial paralysis of the bin der, of which weakness and slurgishness are to causes. Rostetter's Stomach fatters is a n tonic and promoter of activity for the renat causes. Indestities still ulus without exciti-hem the requisite still ulus without exciti-hem and refect to be feried from the unmer-and alcoholic excitant of commerce. A furth boneficent effect of Bitters, by renewing acti-ity of the kidneys, is to enable them to dra-troin the bood in its pasage them, impuriti-productive of mechanisms and dipepsia are conquered by the Bitters.

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Koau Master B. & M. R. R." The kidneys have been labored hard all win ter, as the pores of the skin have been closed but now the springtime has come, and they need some ald. May be you have hat pain across the back: that thred realing: those drawing down bains. It so, you can get mimediate relief by old use has become but R. south and his wife

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estate of mary connors, nue of militying Bor-ough, cambra county, Pa, deceased, all parties indebied to said estate are requested to make immediate payment, and those having claims or demands against the soid estate will prevent the same for payment. JOHN DISTRICT, No, 222 Ealfroad street, combra hor sugh

A substant Physicians may be consulted, confi-lentially, by mail or in person, at the office of PHE PEABODY MEDICAL INSTITUTE, Yo. 4 Bulfmeh St., Boston, Mass., to whom al refers for books or letters for advice should be lifected as above.

NOTICE-The undersigned, hav-ing been appointed Administrator of the

of Mary Connors, late of Millville

No. 222 Rallroad street. C miria borraged $\overline{\mathbf{A}}$ DMINISTRATORS NOTICE.-ESTATE OF MISS. LAURA WEHN, DECKARATE, OF Laura Wehn, late of Comenaugh borrough, Cam-bria county, deceased, having been granted to those knowledge and the strength of the borne county is a strength of the strength of the those knowledge and the strength of the state to make immediate payment, and those having clums against sid estate to present them duly autheniteated for softlement To JOHN CAMPBELL, Administrator, sept12.tf

septizer A DMINISTRAOR'S NOTICE. A DMINISTRAOR'S NOTICE. Administration de boairs one com hechine do on-ercoro no hae estate of John Emmed, late of Johns-bown, Canabric contry, remnsylvank, docarded, have been granted to C, Az Zimmernan, to-piente for to make payment, and those having haims or demands will make known the same without delay. G, Az ZIMMERMAN. Administrator de bonis non com testamente nunczo.

A DMINISTRATOR'S NOTICE -Estate of Mr, John Sigmund, deceased, etters of Administration on the Estate of Mr, ohn Sigmund, late of Woodwale Dorough, cam-ria county and state of Pennsylvania, deceased, Difficult and state of Pennsylvania, deceased, having been granted to the undersigned all per-sons indebted to said estate are requested to make immediate payment, and those having claims against said estate to present them duly authenticated for settlement to GOTTHOLD SIGMUND, Administrator.

GOTTHOLD SIGNUND. AGMINISTANCO. A DMINISTRATOR'S NOTICE.-LETTERS OF ADMINISTRATION on the estate of JOHN W. WEAKLAND, late of the Borough of Johns-town, county of Cambria, and State of Pent-sylvania, deceased, having been granted to the undersigned, all persons indebied to said estat " are requested to make immediate payment, ard those having claims against the same will pre-sent them, duly authenticated, for set, "vm JAMES KING, Administrator, 15, 1560.

Johnstown, Pa., Sept. 18, 1.89.