Miscellaneous.

The Secret of the Lymph. SCRIBED BY PROPESSOR KOCH, ITS VENTOR.

Berlin, January 15 .- Prof Koch's report

published to-day, describing the composition tion of his lymph, says it consists of a gly cerine extract derived from the pure cultivation of the tubercle bacilli. The professor goes on to say: "If a healthy guinea pig be inoculated with the pure cultivation of necrotizing substance in the tissue the of German kulter of tubercle bacilli, the wound caused by the inoculation mostly appears, in its early days, to heal. Only after 10 to 14 days a hard nodule presents itself, which, soon breaking, forms an ulcerating sore, which continues until the animal dies. Quite a different condition of things occurs when a Guinea pig, already suffering from tuberculosis, is inoculated. An animal successfully inscribed form.

Distribute the first place the first place the tissue which had become necrotic over a larger extent would decay and detach transfering from tuberculosis, is inoculated. An animal successfully inscribed form.

The Shortest and Most DIRECT ROUTE Between Nova Scotia tion that they would much more are distributed from the properties of the continuers of the con suffering from tuberculosis, is inoculated. An animal successfully inoculated from four to six weeks before is best adapted for this purpose. In such an animal the small indentation assumes the same sticky covering that the effect of the remedy appears to the same sticky covering that the effect of the remedy appears to the same sticky covering that the effect of the remedy appears to the same sticky covering the same ing at the beginning, but no nodule forms that the effect of the remedy appears to On the contrary, on the day following, or the second day after the inoculation, the place where the lymph is injected in the second day after the inoculation, the place where the lymph is injected in the case of the remedy appears to emisst. It contains a certain quantity of necrotizing substance, a correspondingly M. L. FORBES. COMMANDER few days it becomes more and more manifest that the skin thus changed is necrotic, where tubercle bacilli are vegetating and tweether where tubercle bacilli are vegetating and tweether are the skin thus changed is necrotic, where tubercle bacilli are vegetating and tweether are the skin thus changed is necrotic. finally falling off, leaving a flat ulceration, have already impregnated the adjacent refinally falling off, leaving a flat ulceration, which usually heals rapidly and permanently without any cutting into the adjacent lymphatic glands. This effect is not exclusively produced with living tubercular bacilli, being the same whether the bacilli are killed by a somewhat prolonged application of a low low and the proposed which the regnedy in accurately defined.

Tickets and all information can be ob-

rinsing in water, might be injected in great quantities under healthy guinea pigs' skin without anything occurring beyond local suppuration. Such injections belong to the simplest and surest means of producing suppuration free from living bacteria. Tuberculous guinea pigs, on the other hand, are killed by the injection of very small quantities of such diluted cultivations. In fact, within 6 to 48 hours, according to the strength of the dose, an incording to the strength of the dose, an injection which is not sufficient to produce may cause extend necrosis to the skin in the vicinity of the When Baby was sick, we gave her Castoria, place of injection. If the dilution is still When she was a Child, she cried for Castoria, urther diluted until it is scarcely visibly When she became Miss, she clung to Castoria, clouded, the animals inoculated remain When she had Children, she gave them Castoria, alive and a noticeable improvement in their condition soon supervenes. If the injections are continued at intervals of from would become smaller and finally scars over, which otherwise it never does; the size of the swollen lymphatic glands is reduced, the rody becomes better nour-ished, and the morbid process ceases unless it has gone too far, in which case the animal perishes from exhaustion. By this means the basis of a curative pro

of such dilutions of dead tubercle bacilli there presented itself the fact that the including a nice variety of tubercle bacilli are not absorbed at the Art Embroidery Materials, in another way, but for a long time remain unchanged and engender greater or smaller suppurative foci. Anything therefore, intended to exercise a healing effect on the tuberculous process must be a soluble substance which would be ixivated to a certain extent by the fluids of the body floating around the tubercle bacilli and be transferred in a fairly rapid manner to the ing around the tubercle bacilli and be transferred in a fairly rapid manner to the juices of the body while the substance producing supperation apparently remains be surpassed.

Also an assortment of Win Street, St. John, N. B. transferred in a fairly rapid manner to the juices of the body while the substance producing supperation apparently remains be surpassed.

Also an assortment of Win Street, St. John, N. B. transferred in a fairly rapid manner to the juices of the body while the substance producing supperation apparently remains be surpassed.

Also an assortment of Win Street, St. John, N. B. transferred in a fairly rapid manner to the juices of the body while the substance producing supperation apparently remains be surpassed. hind in the tubercular bacilli or dissolves but very slowly. The only important point was therefore to induce outside the body the process going on inside if possible, and to extract from the tubercular bacilli alone the curative substance. This demanded time and toil, until I finally succeeded with the aid of a 40 or 50 per cent below of the process of the proces solution of glycerine in obtaining an effec- highest price, and best quality. tive substance from the tubercular bacillity. With the fluid so obtained I made further B. LOCKETT. experiments on animals and finally on Bridgetown, Oct. 29th, 1890. human beings. These fluids were given to other physicians to enable them to repeat the experiments. The remedy which was used in the new treatment consists of a glycerine extract, derived from the pure cultivation of tubercle bacilli. Into this simple extract there naturally passes from the following choice brands of FLOUR: the tubercle bacilli, besides the effective substance, all the other matter soluble in 56 per cent of glycerine. Consequently it contains a certain quantity of mineral salts, coloring substances, and other un-

known extractive matter. SOME OF THESE SUBSTANCES can be removed from it easily. The effective substance is insoluble in absolute alcohol. It can be precipitated by it, though not indeed in a pure condition, but still combined with the other extractive matter. 200 bbls. KILN-DRIED CORNMEAL. It is likewise insoluble in alcohol. The t is likewise insoluble in alcohol. The coloring matter may also be removed, rendering it possible to obtain from the extract a colorless, dry substance containing

20 bbls SUPERIOR OATMEAL, Tilson's Standard Brand. the effective principle in a much more con- A few bags MIDDLINGS left in Stock. centrated form than the original glycerine solution. Regarding the manner in which the specific action of the remedy on tuber- Stock the best. Prices low as the lowes culosis tissue is to be represented, various hypothesis may naturally be put forward. hypothesis may naturally be put forward. Without wishing to affirm that my view P. NICHOLSON amords the best explanation, I represent the process myself in the following manner: The tubercle bacilli produced when growing in living tissues the same as in stances which variously and notably unfavorably influence living elements in their vicinity. Among these is a substance which in a certain degree of concentration kills or so alters living protoplasm that it passes into a condition that Welgert desribed as coagulation necrosis. In tissue unfavorable conditions of nourishment that it can grow no more and sometimes dies. THIS EXPLAINS THE REMARKABLE PHENO

that in organs newly attacked with tuberculosis, for instance in guinea pigs spleen and liver which they are covered with gray modules, numbers of bacilli are found, whereas they are rare or wholly absent when the enormously enlarged spleen consists almost entirely of whitish substance in a condition of coagulation necrosis such as is often found in cases of natural death in tuberculosis guinea pigs. The single bacculus cannot therefore induce necrosis at a great distance, for, as soon as necrosis at a great distance, for, as soon as necrosis attains a certain extension the growth of the bacillus subsides, and therewith the bacillus subsides, and therewith the long transport of the bacillus subsides, and therewith the long transport of transport of transport of the long transport of the bacillus subsides, and therewith the production of the necrotizing substance.

April 2nd, 84.

Children Cry for Pitcher's Castoria.

A kind of reciprocal compensation thus occurs, causing the vegetation of isolated bacilli to remain so extraordinarily re-



necrosis would spread a greater distance. The conditions of nourishment for the For

application of a low temperature or boiling beat or by means of costain absorbed.

Description to explain the specific influence which the remedy in accurately defined beat or by means of costain absorbed.

Tickets and all information can be obtained from C. B. Barrellow T. W. Barrellow T. W. B. B bacilli are killed by a somewhat prolonged application of a low temperature or boiling heat or by means of certain chemicals.

THIS PECULIAR FACT

I followed up in all directions, and this further result was obtained, that killed pure cultivations of tubercular bacilli, after ripsing in water, might be injected in great quantities under healthy guinea pigs' skin the possibility of increasing the doses with such remarkable rapidity and the remedial effects which have unquestionably been produced under not too favorable circumstances."

Tickets and all information can be obtained, the tained from C. R. Barry, 126 Hollis street, or George M. Conner, ticket agent, North Street Depot, Halifax; George E. Corbitt, Manager Annapolis Messrs. Turnbull' and Walsh, Digby; and all agents on the Windsor & Annapolis, Nova Scotia Central and Western Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, All Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis wharf, or Messrs. J. G. Hall & Co., Chatham Street, Rotten Counties Railways; Davison's Coach Lines; J. F. Spinney, Lewis Rotten Counties Railways; Davison's Coach

NEW YORK UU. I. J. Hoyt.

The Iron Steamship St. John for New York,

FRIDAY AT 3 P.M.,

ducing supperation apparently remains behind in the tubercular bacilli or dissolves hind in the tubercular bacilli or dissolves.

Trimmed Hats and Bonnets

JOB WORK

Bath Brothers' Livery Stable.

BILL HEADS, MEMO. HEADS,

Bridgetown, Oct. 22nd, 1890. K D C is Guaranteed



KENDALL'S SPAVIN CURE.

KENDALL'S SPAYIN CURE. D. J. O'KEEFFE. Price \$1 per bottle, or six h

proprietors, DR. B. J. KENDALL CO., Enosburgh Falls, Vt. SOLD BY ALL DRUGGISTS. HOYT BROTHERS, MONUMENTS, - TABLETS,

HEADSTONES, &C., American & Italian Marble Marble, Granite, and Freestone MONUMENTS

IN THE MOST GRACEFUL STYLES. Our charges are reasonable in every respect, and we guarantee perfect satisfaction to all who may favor us with their patronage. A. Hoyt.



BUSINESS CARDS,
VISITING CARDS.

Livery Stable opposite Rink.

To Cure DYSPEPSIA

Nova Scotia Central TIME TABLE No. 2. MMENCING MONDAY, JUNE 9th, 1890.

LUNENBURG to MIDDLETON. Daily,-Passengers and Freight. STATIONS.

MIDDLETON to LUNENBURG. Daily .- Passengers and Freight.

GEO. W. BEDFORD, General Manager water, June 5th, 1890. Windsor & Annapolis Raiw'v

Time Table. OMMENCING TUESDAY, JAN. 6th, 1891 GOING WEST.

had not the money to buy even one thoroughbred rooster. She took the best each tyear, and in five years from the time she bear to see the time she year, and in five years from the time she wear and bear from the five the provement was wholly due to food, care, and the sale with the types in his stick fuses them solid like a block of lead. The only way to retirm the types in his stick fuses them solid like a block of lead. The only way to wait the types in his stick fuses them solid like a block of lead. The only way to retirm the types in his stick fuses them solid like a block of lead. The only way to well with the improvement were who to uplif the filtest "only up of which will up of which y EXHAUSTED WITALITY.

Choice Lines of the ge on Mashand, always on hand, attimates Purnished, Satisfaction Guaranteed.

Satisfaction Guaranteed.

Cordes from any part of the country will receive prompt attention.

Address, Guaranteed Cordes and Country will receive prompt attention.

Address, Guaranteed Country will receive prompt attention.

Bridgetown, N. S.

SEASON OF 809 '90 of the prompt of the prompt

DR. T. A. GROCKER

Greduate Philadelphia Dental College,

Large Figure and College,

Large Figure and

Agricultural.

Training of Colts.

present, if a foal is of a lively temperament, it is at once put down as vicious, and if either of its parents has shown what is miscalled vice the years to be shown what is miscalled vice the years to be shown what is miscalled vice the years to present, if a foal is of a lively temperament, they are the honesthearted men I believe they are the honesthearted men I believe they got back to the saloon, the stranger said:

"Have you a spade handy?"

too many kicking, biting, jibing and bolt- what she ought to do; it is the girl who is pavement. ng horses. In place of having horses thich entertain affection for man, we have which entertain affection for man, we have them in constant fear of man, ever expectant of a blow, and their worst actions, often leading up to accident or death, are too often the result of this fear; possibly some movement of the driver being misconstructed into the intention to strike a blow. In the breaking and education of all young the breaking and education of all young nimals, firmness should blend with kindess, but never with harshness or brutality."

tes will be found the best "all-round" fowl, with a possible rival in the new and improved Black Javas. For general purposes the Brahmas and Cochins will be found most profitable if crossed with some compact non-sitting breed, like the Leghorns. It cannot be too persistently asserted that roully give most satisfactory returns if same way.

pact non-sitting breed, like the Leghorns. It cannot be too persistently asserted that poultry give most satisfactory returns if kept in small flocks. The hen seems to demand individual attention; she objects to over-centralization, so to speak.—Critic.

—A flock of common fowls well cared for will pay better any time than a neglected flock of thoroughbred fowls. Among my acquaintances there is a farmer's wife who made a business of raising poultry and eggs for market, makes from \$600 to \$800 a year from her poultry, and now keeps none but purebred fowls, but who commenced with a very common lot of common fowls superior to others, but because she had those and had not the meney to buy even one thoroughbred rooster. She took the best each year, and in five years from the time she

or Money Refunded.

The Kousehold.

The Voice of the Charmer.

Training of Colts.

Here are some excellent suggestions about the training of colts, which we take from the London Live Stock Journal, as follows:

"In most sections of agricultural pratice we have made a decided advance, and it is somewhat singular that in the rearing, training and breaking of animals—what we might style education of animals, so conducive to the comfort and discomfort of man—we still pursue a course that is closely associated with the dark ages.

"One common foundation cause forms the basis of our non-success in education of animals, and it is follow. We assume that all animals at birth possess hereditary vice, and that that vice must be eradicated before the animal can become a useful servant to man. This is most certainly a mistake, and one that leads up to numerous evils. The same erroneous practice prevails in the training of horses, bulls, dogs, etc., but it is probably in the case of horses where the greatest mischief results. In the education of a colt or filly or a young bull, the same care is needed as in that of a child! The disposition should be studied, and defects eradicated by kind yet firm treatment. At the present, if a foal is of a lively temperament, it is at once put down as vicious, and if

Recipes.

BAKED HASH ON TOAST.—The end of a BAKED HASH ON TOAST.—Ine end of a sirloin or a piece of rump steak may be sirloin or a

highest favor amongst us are likely to fall into comparative dispute. The Leghorns, White and Brown, are perhaps our most popular breed, and alroy are certainly great layers. But they are small, and their eggs are small. There is some talk of exchanging them for the old Black Spanish, but these fowls, though they lay good numbers of very large eggs, are tender, subject to disease, and poor as table fowl. The best possible substitute for the Leghorns, if a non-sitting breed is required, will be found in the Houdans, which are hardy, early to mature, and almost as prolific as the Leghorns; while their eggs are very nearly as remarkable for size as those of the Black Spanish, going well over 23 lbs, to the score. As a table fowl the Houdans are unsurpassed. Where a sitting breed is predicted, the Plymouth Rocks and Wyandottes will be found the best "all-round" fowl, and never add one-half cup of butter."

Well, I won't beek, was the loffy regressive the pound of sugar, half a pound of butter, and the juice of one lemon. Line a deep dish with puff paste, cover with given preserves, pour over a little of the mixture and preserves. Bake and eat with sauce.

MERINGUE PUDDING.—Line a deep pudding the with slices of sponge cake, cover with rich fruit jam; pour over custard and bake, ice like cake, set in the stove to dry; take out and cover with meringue. Serve without sauce.

Tomato Relish.—one quart of tomatoes, resolved the Houdans are unsurpassed. Where a sitting breed is predicted to the mixture, and buttered.

Tomato Relish.—one quart of tomatoes, repeating the canine heart. "Garoo-o-o," growled the dog. "Nice puppy. You wouldn't hurt"—take out and cover with meringue. Serve without sauce.

Tomato Relish.—one quart of tomatoes, or in the hopst-office dor. He only entered toward. Im a glance in which surprise, pity, and hatred were about equally mixed.

"Xie left a portion of his buttered. The deep surprise pity, and hatred

-Minard's Liniment Cures Dandruff.

Joker's Corner.

He Landed Out in the Cold World.

tit is at once put down as vicious, and if either of its parents has shown what is miscalled vice, the result of mistaken brutality in their education, then the foal's liveliness is put down as hereditary vice, and a prolonged course of harsh conduct and beating is deemed necessary to effect a cure. If, on the other hand, the young animal is of a slow and heavy nature, it is erroneously supposed to be the result of vicious sullenness, and the same treatment as in the case of the lively foal is undertaken—harsh treatment and beating to bring them into so-called subjection. In each case this cruel discipline has just the opposite effect to that sought, and hence we have sadly too many kicking, biting, jibing and bolt.

"There is no such thing as an ugly dog, continued the man in plush cap and long overcoat. It simply depends on how you

Children Cry for Pitcher's Castoria.

tricted as, for instance, in lepus and scrofulous glands. In such cases the necrosis generally extends only to a part of the cells, which, then, with further growth, assumes the peculiar form of

riesen zeile, or giant cell. Thus, in this

terpretation, follow first the explanation

Weigert gives of the production of giant

cells. If now one increased artificially in

the vicinity of the bacillus the amount

A Large Assortment of

50 bbls. "PEARL," 25 bbls. "ACADIA,"
75 bbls. "WHITE DOVE,"

25 bbls. "MYRTLE,"

25 bbls. "FUSCHIA,"

30 bbls. "CLOVER,"

25 bbls. "A. B. C."

CORNMEAL:

50 bbls. "FIVE ROSES,"



the second day after the inoculation, the place where the lymph is injected shows a strange change. It becomes hard and assumes a darker coloring, which is not confined to the inoculation spot, but spreads to the neighboring parts until it attains a diameter of from .05 to I centimetre. In a first live it becomes and room parts.

W. A. CHASE, L. E. BAKER,

Sect. and Treas: M. Yarmouth, N. S., Dec. 1st, 1890. Value of the say

M.Y.

VALENCIA, 8 Cents PACKAGE 8 Cents

will leave

Pier 40, E. R., foot of Pike St., New York, every Tuesday at 5 p.m., for Cottage City, Mass, Rockland, Me., Eastport, Me., and St. John, N. B.

Preight on through bills of lading to and from all points south and West of New York, and from New York to all points in the Maritime Provinces.

ARE UNEQALLED

-:FOR:
SIMPLICITY OF USE, BEAUTY OF COLORS, AND THE LARGE AMOUNT OF GOODS EACH DYE WILL COLOR.



Parties Furnished at Short Notice and Fitted up in Best Style. W. C. BATH. - - H. S. BATH.

And INDIGESTION,