What Medicine Knows Today—Typhoid Fever

Typhoid fever kills about 40,000 Am elections and a desperation of the golden operation of the golden operation of the golden operation operation of the golden operation operation operation of the golden operation op

has been reduced to little more than 3 per 100,000 of population, and the search appears a per 100,000 of population, and the search appears a per 100,000 of population, and the search appears a per 100,000 of population, and the search appears a per 100,000 of population, and the search appears a per 100,000 of population, and the search hole typhoid fever has disappeared all-most entirely. In the whole of General most entirely. In the whole of the mortality has sunk to 7 per 100,000 of population, and the search appears a per 100 of the search appears and search and sear

pathologist. Dr. Wright cultivates typhoid bacilli in bouillon until they attain a healthy growth. Then he subjects them to a high temperature for a day or more. This heat kills the germs themselves; but it does not charge the toxin within them.

The dead germs, each with its burmer at the dead germs, are elected into the paners of toxin, are elected into the paners after all, their chances of recovery is able to be discussed here so seldom that it is presented into the paners after all, their chances of recovery is able to be discussed here so seldom that it is presented in the paners after all, their chances of recovery is able to be discussed here so seldom that it is presented in the paners after all, their chances of recovery is able accepted. The discussed here so seldom that it is presented in the paners are all, their chances of recovery is able accepted. The discussed here so seldom that it is presented in the paners are all the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all to be discussed here and the paners are all the paners are all to be discussed here and the paners are all the paners a

The dead germs, each with its burden of toxin, are ejected into the patient who is to be immunized. First a billion germs are injected. A week or two later a second injection is a billion germs are injected. A week or two later a second injection is a billion germs are injected. A week or two later a second injection is a billion germs are injected. A week or two later a second injection is a billion germs. The result is that the blood of the patient, invaded by all this toxin, begin to manufacture anti-toxin in enormous quantities. Pretty soon enough has been made to neutralize all of the blood keeps on. The extra supply of anti-toxin thus formed remains in the blood for a good while; and if the patient is exposed afterwards to typhold infection, and live germs wander into his system, the toxin in them is sovercome at once and they die. Thus the patient is protected against typhold fever.

McFaydan and Rowland—inject typhold bacellii into horses and let the

Other investigators—Chantemesse, gather in lumps and so lose their caMcFaydan and Rowland—inject typhoid baccilli into horses and let the
blood of the latter manufacture the
anti-toxin. Then this blood is drawn
and injected into human patients,
where it pounces upon typhoid toxin

The saguitinins appear in a patient's blood very soon after the typhoid germs first invade his body.
Therefore, when they are found, it is
where it pounces upon typhoid toxin

Therefore, when they are found, it is
indicated in the care of tuberculosis is yielding. Not
the pacity for multiplying.

It and serums, at no distant
probably take the place of
worked ice-bath. In fifty y
the civilized white
dies of typhoid will be as rai

The Sea Changes of Fifty Years

were of the very highest type, skilled tradesmen of a very special kind. And, moreover, they were carried in such numbers that the work could always done immediately upon order given and consequently sail could be and was carried to the very last minute of safety or even beyond it, and it was set again as soon as ever the slightest

sign of amelioration in the weather appeared.

In the personal matters of food, accommodation, and pay, the crews were very vilely off, improvement in these directions lagging long behind the splendid development of the ships. The seaman's food almost invariably conseaman's food almost invariably consisted of salt beef, salt pork, pease, rice flour and biscuit, usually of the vilest quality for no supervision was exercised. Water was often carried in casks or wooden tanks where it quickly bred worms and stank. Yet as three quarts per day was the allow furning liquid was precious, and I have often liquid was precious and I have often liquid

And now let us look briefly at the contrast between 1857 and 1907 from take place. Six years ago Mexico was a shipping point of view. Fifty years ago we were, as far as the carrying countries of the world, while today it rade of the world (how triffing it was ago we were, as far as the carrying rade of the world (how trifling it was then in volume compared with what it is now) without a serious competi-tor save the United States, and she bade fair to pass us in the race for supremacy. Today, if we except her internal waterborne traffic, the United States is, as far as shipping goes, ted States is, as iar as snipping goes, a negligible quantity. Germany, then feeble indeed, has emerged our only serious rival with the two greatest steamship companies in the world, steamship companies in the world, the Hamburg-Amerika and the Norddeutscher Lloyd, which, backed by all the power that Germany possesses and knows so well how to use, are challenging our shipowners com-

stands second.

All told, there are said to be one and

ital invested in various enterprises in Mexico, largely in mining, and one-

tizens of the United States. In one year no less than \$50,000,000 of Am-

erican capital has gone into the coun-

1000 acres, while a Canadian syndicate tured coarse fabrics of cotton, conhas one million acres. These ranches structed joint, tenement houses of are not, either, being devoted to the adobe bricks and of stone, and made

The Factors In Latter Day History

was generally made.

In think, findule be unadamounty among the page of the pa of an oath taken by John in Kicharus never succeeded in rivalling (absence and entirely repudiated by the never succeeded in rivalling (Green. The act of 1857, which large quantities from adjacent mounfew years exceed that of mining by
one hundred fold.

which the Aztecs, whom contex found
in the valley of Mexico, had reached?
The Aztecs and their confederate
tribes were ignorant of iron, and con-Ranching has, perhaps, more than kept pace with ordinary agricultural development. One American ranching company has no less than 4,000 square miles of grazing land, another 17,000, vated the soil by irrigation, manufactured of company has no less than 4,000 square within a Chandian and they worked the native metals, culti-

In three of his chapters Mr. Pollard is on the ground that he has made the names of the parties in his b liquid was precious, and I have often been jeered at for straining the verifically agreed that the day of salling ships is done. As we can sell or abandon of rag or holding my nose while I drank. All this time owners were making vast fortunes, but never giving any heed to the lives of their men, been jeered at for straining the verifically agreed that the day of salling ships is done. As we can sell or abandon of Canadian capitalists. In railway building Mexico is somemaking vast fortunes, but never giving any heed to the lives of their men, been jeered at for straining the verifically agreed that the day of salling ships great valleys are being walled up. This enterprise is under the direction and control of Canadian capitalists. Way for the celebration throughout having only about half the manner of civilized peoples. These features of their social condition bear witness to their relative word. Having neither tables nor continent to which she belongs.

Preparations are already well under their single daily meal in the manner of civilized peoples. And with the latest development of ocan steam, the two extraordinary the mileage of this country, but 7,000 been 18, 1910. It is not the intention of Mexico to celebrate its great and the word. Having neither tables nor chairs for dinner service, they had not of can there chapters redeem the continent to which she belongs.

Preparations are already well under their single daily meal in the manner of civilized peoples. These features of their social condition the manner of civilized peoples. These features of their social condition the manner of civilized peoples. These features of their social condition to the manner of civilized peoples. The manner of civilized peoples the manner of civilized peoples. The manner of civilized peoples the manner of civilized peoples. The manner of civil

to the weak points in the book; but

The Sea Unanges of Fifty wars age! How short at the pitch the summer of the property of the country of the coun

king on his return. London never Green. The act of 1857, which, possessed (unless possibly from 1191 to 1194) "a mnuicipal constitution closely allied to that of Rouen," and Mr. Pollard's addendum that "other English cities were fifty years behind the central" can only increase the Possibly one reason which is the central Possibly one reason

the capital" can only increase the confusion in his reader's mind. It is an unpleasant task to draw attention it worth the while of the postbol Even in that most wonderful of all modern developments, the application of electrical energy, Mexico is not behind, and it is worth noting that the states as a foundation stock for the leaders in this industrial revolution leaders. These ranches are not, either, being devoted to the adobe bricks and of stone, and made earthenware of excellent quality, and though these chapters have to hold orders. He heard the decomposed of a number of related families. More leaders in this industrial revolution herds of the ranches. The extent to over our author has foundered. In these of his chapters Mr. Pollard has challenged such a cristory ticism, and though these chapters have many merits, they do not justify the true of self-congratulation which he has adopted.

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The three of his chapters Mr. Pollard has challenged such a cristory to hold orders. He heard the decomposed of a number of related families. More leaders in this industrial revolution herds of the ranches are the more proposed of a number of related families. More leaders in this industrial revolution herds of the ranches are the more proposed of a number of related families. The proposed in the second of the response to the blacks of the prices and carries are the more proposed of a number of related families. The proposed in the propo The most notorious priest was ably Joseph Pasley, who officiated a fisherman, smuggler, tobacconi still practiced his trade as incidental to his tying the

> Old Lady (improving the -You know, boys, it's which lies here

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Yet, whe
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country, that they we? A Con says featured, woman, usa-like extreme bility, or is to be a visible sig

grace?"
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her Englis For examous memory this terrib

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woman ne so dear

or prove he need than much as to stand the derstanding One some older what mass of enthe world,

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Those v the world' women are than not th why friend seldom suc such differ things. V they will n an easy " men do. derstandin ported wit pondence-bores a ma getting the riendship love", also keys do op hearts." B man and perhaps th why friend posite sexe the reason

is built on gin with, i most import means of the means of the friendship, enjoy the ments of remaind" required work must the says, then at all