FACTS ABOUT

French Physician Describes Pe-

cultarities of the Visitation.

Stock Remedies Usually Recommended

-How It May Be Avoided-One

Cause of Heat Apoplexy.

[London Lancet.]

In an anticle that occupies consider-

ably more than half of the Archives de

Medecine Navale, for January, Dr. Moussoir, a French naval surgeon of

the first class, claims to be the first

observer to have established a funda-

mental distinction between heat-stroke and sun-stroke, and contends further that a correct appreciation of his dis-

covery would result in a large saving

of human life. Heat-stroke, according to Dr. Moussoir, is a pathological con-

dition produced by the action on the whole surface of the body during a sufficiently prolonged period of tem-

perature exceeding 104° Fahrenheit, whereas sun-stroke is a pathological

condition produced by the action on

the cranium during a period, which need not necessarily be long, of suffi-

ciently intense solar radiation. The

high temperature which gives rise to

and may emanate from any source.

Moist heat, as in a stoke-hole on board

ship, brings on heat-stroke by pre-

stance, prevents the exudation of per-

spiration, and most probably also produces an analogous condition in

but may simulate suddenness when the

will power by which the subject was sustained is abruptly withdrawn.

Stokers are able to endure a damp, hot atmosphere in narrow, ill-ventilat-

ed spaces, because they work naked or

nearly so, whereas soldiers on duty in the open air succumb to heat-stroke

because the caloric increases beneath

their thick clothing, which also hinders the evaporation of sweat. To prove

this three thermometers should be placed—the first in the shade, the sec-

ond in the sun, and the third likewise

in the sun, but wrapped in a piece of

peated by Dr. Moussoir gave results

as follows: First thermometer, 82.4°; second, 110.3°, and third, 127.4°. Sunstroke, or insolation, is not induced by

high temperature, but by the intense radiation which the sun alone, owing

to its enormous volume (1,200,000 times that of the earth), can supply, the

chemical rays, the vibrations of which

are more rapid and therefore more penetrating than those of their calorific

and luminous congeners, being the ex-

citing cause. Fonssagrives and Corre imagined that the sun-stroke of low

temperature during clear weather was due to the action of light on the retina,

but this must be an error, because, owing to the ineautious exposure which is then likely to take place, the

through white clouds freely, but are almost entirely arrested by black sub-

stroke of negroes and people with

pinge upon some part of the brain case,

the effect being transmitted thence to

the as yet unlocated heat center by

The process precisely resembles

what goes on when a perspiring scalp

coryga and other reflex phenomena

quickly ensue. Covering the head pre-

serves from sun-stroks, but fust as is

the case with thick diothing a helmet.

observations with suspended thermom-

tigrade higher than in the shade of a

veranda. In heat-stroke the disease begins by heating the blood, but in

sun-stroke the condition of the circu-

lating fluid is secondary; the fact, however, that in both affections the

blood becomes superheated serves to

explain the resemblance of the symp-

toms. Sun-stroke or insolation can only occur within the tropics, because

in that region alone the sun's chemi-

duce the necessary reaction. So far

Dr. Moussoir may, perhaps, be held

to have supplied a prima facie case in support of his somewhat ambitious

exordium, but with regard to treat-

ment his promises can scarcely be tooked upon as fulfilled. Excitation

and antipyrin are insisted upon, to-gether with ice, cold effusion, and the

rest of the stock remedies as usually

recommended. Quinine, however, is

discarded utterly, the writer having no

belief in its anti-thermic properties,

seeing that in smallpox, scarlet fever.

etc., its exhibition fails to reduce the

temperature. In paludal fevers the alkaloid acts as a parasiticide, and in

sun-stroke there are happily no mi-

are said to be prohibitively uncertain.

Under its influence hyperthermia is

apt to degenerate into hypothermia,

with cardiac collapse. Among the pre-disposing causes of heat apoplexy, Dr

Moussoir mentions the horizontal post-

tion, contending that the heat rays, direct and refracted

the ground, have thus a much larger

surface to act on. This would seem to

supply an argument against the Indian

practice of taking a siesta during the

is exposed to a draught and sneezing

reflex action.

An experiment frequently re-

cloth.

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NO NEED TO GO

Dr. Talmage Tells of the Perfect Friendship of the Savior-Assurance for Every One.

Dr. Talmage, who has finished his tour m England and Scotland, where thousands thronged to hear him wherever be preached, is now on his way to Norway and Russia, in which countries he already well known through the publication of translations of his sermone. In the following discourse, which he has sent for publication this week, he gives a prescription for all anxiety and worriment, and illustrates the davine sympathy for all who are in any kind of struggle. The text is Matthew, xiv., 12: "And his disciples went and told Jesus."

An outrageous assassination had just taken place. To appease a revengeful woman King Herod ordered the death of that noble, self-sacrificing prophet, John the Baptist. The group of the disciples were thrown into grief and dismay. They felt themselves utterly defenseless. There was no authority to which they could appeal, and yet grief must always find expression.
"They went and told Jesus."

could understand all their grief, and he immediately soothed it. Our burdens are not more than half so heavy to carry if enother shoulder is put under the other end of them.

CARE FOR ALL HEARTACHES. I feel that I bring to you a most appropriate message. I mean to bind up all your griefs into a bundle, and set them on fire with a spark from God's aktar. The prescription that cured the sorrow of the disciples will

cure all your heartaches. In the first place I commend the behavior of these disciples to all burdened souls who are unpardoned. There comes a time in almost every man's history when he feels from some source that he has an erring nature.

Some of you crouch under a yoke, and you bite the dust, when, this mo-ment, you might rise up a crowned conqueror. Driven and perplexed as you have been by sin, go and tell Jesus. To relax the grip of death from your soul, and plant your unshackled feet upon the golden throne, Christ let the tortures of the bloody mount transfix him. With the beam of his own cross he will break down the door of your dungeon. With the ten thousand unpardoned sins of your life, go

TEMPTATION COMES TO ALL. Again I commend the behavior of the disciples to all who are tempted. I have heard men in middle life say they had never been led into tempta-If you have not felt temptation it is because you have not tried to do

It is all folly for you to say to some-"I could not be tempted as you The lien thinks it is so strange that the fish should be caught with a hook, the fish thinks it is so strange that the lion should be caught with You see some man with a cold, phlegmatic temperament, and you "I suppose that man has not any Yes, as much as you have. In his phlegmatic nature he has a temptation to indolence and censoriousness, and overeating and drinking: a temptation to ignore the great work of life; a temptation to lay down an obstacle in the way of all good enterprises. The temperament decides the styles of temptation; but sanguine or lymphatic, you will have temptation. A man at 85 years of age has as many temptations as a man at 25. They are only different styles of temptation. Ask the aged Christian whether he is never assaulted of the power of darkness. If you think you have conquered the power of temptation, you are very

ENEMIES FOR EVERYONE.

Again, I commend the behavior of the disciples to all these who are abused and to the slandered and persecuted. When Herod put John to death, the disciples knew that their own heads were not safe. And do you know that every John has a Herod? There are persons in life who do not wish you very well. Your misfortunes are honeycombe to them. Through their teeth they him at you, misinterpret your motives, and would be glad to see you upset. No man gets through life without having a pummeling.

Again, I commend the behavior of the disciples to all the bereaved. How many in garb of mourning! How many emblems of sorrow you behold everywhere! God has his own way of taking apart a family. We must get out of the way for coming generations. must get off the stage that others may come on, and for this reason there is a long procession reaching down all the time into the valley of shadows.

Is there any earthly solace? None. We come to the obsequies, we sit with the grief-stricken, we talk pathetically to their soul; but soon the obsequies have passed, the carriages have left us at the door, the friends who stayed for a few days are gone, and the heart in desolation listening for the little feet that will never again patter through the hall, or looking for the entrance of those who will never come again—sighing into the darkness—ever

arouses former association, almost

killing the heart. COMFORT FOR ALL.

Now, what are such to do? Are they merely to look into the brazen and unpitying sky? Are they to walk a blasted heath unfed of stream, unsheltered by overarching trees? Has God turned us out on the barren common to die? Oth, no! no! no! He has not! He comes with sympathy and kindness and love. He understands all our grief. He sees the height and the depth and the length and the hreadth of it He is the only one and the breadth of it. He is the only one that can fully sympathize. Go and tell Jesus. Sometimes when we have trouble we go to our friends and we explain it, and they try to sympathize; but they do not understand it. They cannot understand it. But Christ sees all over it, and all through it. He not only counts the tears and records the groans, but before the tears started, before the groans began, Christ saw the inmost hiding-place of your sorrow; and he takes it, and he weighs it, and he measures it, and he pities it with an all-absorbing pity. Bone of our bone. Flesh of our flesh. Heart of our heart. Sor-

row of our sorrow.

As long as he remembers Lazarus' grave he will stand by you in the cemetery. As long as he remembers his own heartbreak, he will stand by you in the laceration of your affections. When he forgets the footsore way, the sleepless nights, the weary body, the exhausted mind, the awful cross, the solemn grave, then he will forget you, but not until then.

Little Things.

'Despise not the day of little things," The Scripture thus advises; For oft the greatest issue in life From little things arises.

Tis the little rift within the lute That mars the music's sweetness; Tis the little sin that we do not count That mars our life's completeness.

Tis a little leak within the ship-But little as we may think it, 'Twill admit the waves of the mighty

deep Which will enter, and swamp and

Tis the little stream down the mountain side,
Like a tiny thread of silver, Which onward flows till at length it

To a great and mighty river. 'Tis the little foxes that spoil the vines While we scarcely heed their pres-

Tis the little sin round our heart entwines. Which of great sin is the essence.

Tis the little word in anger said-Aye! spoken before we know it-That bitter tears and weary Of sorrow can ne'er undo it.

Then of little things let us careful be And herein lies truest merit, For he that is faithful in little things

A kingdom great inherits. -M. L. Claypole. London, Ont.

Anxious to Meet Him.

[Washington Post.] A few minutes before the afternoon

York got into the train from New Pennsylvania station the other day, a beautiful young creature in a new spring suit wafted herself over to the man stationed at the exit gate and proceeded to hypnotize him. "Will you please let me through?" she said, appealingly.
"Can't do it, miss; it's against the

rules," said the man at the gate.
"But I do so want to meet him when he gets off," said the beauteous young thing, looking into the man's face searchingly with her imploring violet "And he will be so disappointed if I am not right at the car to meet | cal rays are sufficiently intense to prohim when the train gets in.

The man at the gate looked and hesitated.
"Please," said the lovely your.g creature, rustling her silk skirts ner-

vously, and seeming to hang on the gateman's nod. "Well, maybe I can take a chance," said the gateman, and he pulled the gate open and admitted her.

"S'pose she's only been married a little while," reflected the gateman, 'and her husband's coming back after being away the first time since they were spliced, and she wants to hand him out the big hug before he's more'n landed from the car steps. Well, I guess we all have it that bad, once in our lives anyhow," and he looked thoughtfully down the siding where the radiant young creature stood, impa-

tiently tapping her foot. The train pulled in a couple of minutes after. The young woman ran alongside the baggage car, and the baggage master handed her out a miserable little specimen of a stuck-up, hideous-muzzed pug dog, which she took in her arms and loaded down

with caresses. As she passed out of the exit gate with the pug in her arms, she bestowed a bewitching smile upon the gateman.

"And I was come-on enough to pass her through, and to weave pipe-trances about the reason why she wanted to get through," said the gateman dis-gustedly to the station cop. "Say, I garment, or little shoe or picture, that | spring plowin' somewhere!'

Union Labor Lyceum.

heat of the day.

Chicago Tribune.

A committee appointed about two weeks ago at the adjourned trades union mass meeting, summoned to promote the side of labor in the pending struggle, reported on Sunday to a special meeting of one or two hundred labor men a plan for organizing the trade unionists from all trades in the city into ward branches of a union labor lyceum. The purpose of this lyceum, as stated in the tentative platform, will be that "of cultivating a better acquaintance between all the members of organized labor, and to promote their interests through an exchange of ideas, to learn each other's needs and desires, and to assist to the best of our ability all deserving members." Particular pains were taken to declare that "questions of partisan politics are strictly prohibited."

The report of the committee was approved, local committees were named to effect organization in the different wards, and some of those interested in the plan predict that within a few weeks groups will have been formed

in nearly all the different wards of the city. The plan also contemplates the affiliation of these bodies in a central

The scheme seems to be a novel one, but if carried out according to its declared purpose it ought according to result in a useful acquaintance and exchange of information between the members of the two or three hundred trade unions of the city. The funda-mental obstacle to any close and strong association on this plan would, of course, be the diversity of trades from which people would be brought together. Such a composite organization, however, would tend to reduce the estrangement between members of different trades and to establish a better understanding among organized wage workers in general. If kept free of "partisan politics" it might prove an educational agency of distinct advantage to the cause of labor.

AN INHABITABLE GOLDEN WORLD

What Prof. Serviss, the Noted Russian Spectroscopist, Has to Say About Venus

Astronomers have just heard good news about Venus. The skillful Rus-sian spectroscopist, Belopolski, has disproved a very abhorrent theory that had tately gained ground concerning our sister world. According to this theory Venus was a twofold desert. a world half frost and half fire, having heat-stroke may be either moist or dry, no alternation of day and night, but forever keeping the same side toward the sun. Belopolski shows, however, that Venus is in no such lamentable venting the evaporation of perspira-tion, while a dry heat, by shriveling up the skin into a parchment-like substraits, but that, on the contrary, she rotates on her axis just as the does, and enjoys days and nights resembling ours in length. He has proved this by noting the shifting of the spectral lines in the light of Venus, due to the fact that as she revolves pulmonary alveolar tissue. Heat-stroke causes its ill effects through the superone edge of her globe moves toward heated blood which reacts on the nerve centers. It comes on gradually, the observer, while the opposite edge moves away.

There has not in a long time been a more gratifying discovery than this. It establishes the habitability of the planet Venus by creatures resembling the inhabitants of the earth. Venus is exceedingly splendid in the Western sky after sundown just now, and, looking at her blazing like an electric lamp in the twilight, one may well, in view of Belopolski's announcement, send a silent greeting to our brothers in that golden world.

It is not over-presumptuous to speak with confidence of their existence. It is not even altogether nonsensical to suggest that at some time, in some manner, we may communicate with them. To say that we may is hardly a greater violation of probability than would have been ten years ago the declaration that one day we should tele-graph without wires or should see the inside of our bodies by a hitherto un-

known form of light. Venus has water and air. She is of nearly the same size as the earth; simple observation establishes this much. She is nearer the sun than the earth is and therefore has more brilliant days. To live on Venus is probably to live in a world of marvelous luminosity and unimaginable play of colors. Her dense atmosphere would lend itself to extraordinary opalescent effects. Certain observations indicate that auroral lights flickering and glowing in the atmosaffection is very frequently met with while the sky is overcast. The chemical rays emitted by the sun can pierce phere of Venus are occasionally visible from the earth. The sun stimulates her with electricity as he does our planet, but she is nearer to him and the vivi-fying solar influences may be proporstances, and partially so by red. These facts explain the immunity from sun-

The latest science intimates that what tshed hability to it of the ruddy. To mind with mind, regardless of dividing pinge upon some part of the rust important manufactures. are known as telepathic manifestations, Venus being more intimately assoclated than the earth is with the great solar dynamo, should be a world remarkable for apparently spiritual phenomena. Such things as the X rays, which astonish us, may well be the mere A, B, C, of practical knowledge there. On a planet situated as Venus is, seience may have a different and a higher basis than it has on the earth. Where our learning leaves off, that of can only assist in the development of the inhabitants of Venus perhaps beheat-stroks. The mean of a series of gins. If we were suddenly endowed with senses suited to the Becqueral eters showed that the temperature inside a regulation helmet was 10° Cenrays and other half mysterious forms of radiant and vibratory energy recently discovered, we would seem to ourselves to have become gods, or at least angels, compared with what we were before. On Venus, it is not unreasonable to suppose, intellectual creatures are furnished with senses suited to their sur-roundings, and since those surroundings are manifestly such as must result from a greater intensity of etheric forces than we are accustomed to, the senses corresponding to them may well provide more exquisite enjoyments and

more penetrating views of nature than are vouchsafed to us. In a world where light is more abundant and brighter than on the earth, one might well imagine the sense of harmony to be developed on a higher plane than that of sound. Even we can recognize an affinity between the mu-sical scale and the gamut of colors in the solar spectrum. Why not Venus, since she is par excellence a world of sunshine, be a place where the rhythm of light waves enacts the part played for us by the melody of sound waves, and where a concert of prismatic hues, with swift and varied interplay of harmonious tints, produces even a nobler pleasure than that which we derive from the most excellent orchestral

crobes. Incidentally, painting with gualacol is mentioned, but the effects Admitting that this is pure speculation, yet it is not thereby necessartly condemned. The imagination has always been a torch for the stumbling feet of advancing science, and frequently its flickerings have given the first revelation of hidden truth.

QUESTIONS ANSWERED.

FENCE .- A rented a farm from B, who agrees to repair the line fences if required. Would the fence dividing the farm from the public road be a line fence? Ans.—No; line fences means the fences dividing adjoining farms as distinguished from the road fences. Line fences are compulsory between occupied lands, while road fences are not compulsory except by local bylaw.

WITNESS.-At a trial before magistrate can a witness called for the prosecution be asked questions by the defendant tending to degrade him, such as whether he had been drunk, or has quarreled with his sisters, and having nothing whatever to do with the case on trial? Ans.—Yes; the credibility of the witness is always in issue, and such questions may be asked to impeach his truthfulness. The answer of the witness, however, cannot be contradicted unless affecting directly the issue of the case on trial.

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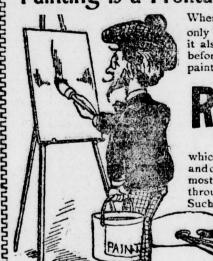
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