Wonders of the Heavens

By Garrett P. Serviss
A large part of the fear that great
comets have always inspired is due to
an instinctive dread of their tremendous
powers for evil. They look like besoms
of destruction, and those who know
nothing about astronomy accept them
at their apparent face value.
And, in truth, if they could come
within hitting distance of the earth
they would do an enormous amount of
damage, and some of them might be
capable of putting the earth temporarily out of commission as an inhabited
globe.

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The terror that was aroused in many quarters by Halley's Comet, in 1919, has been recalled by the appearance of several new comets within a few months past, so that it is worth while to consider what an evilly disposed comet could do to the earth if it got a chance.

There are two ways in which a comet could do to the earth if it got a chance.

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There are two ways in which a comet could cause adamage to the carth—first by damage to the carth if it got a chance.

There are two ways in which a comet could cause and second, by infecting the atmosphere with the poisonous or stifling gases contained in its tail.

Let us consider the first case of a comet shock.

Two things have to be taken into account, viz, the velocity, and the weight of the colliding comet, considered as a gigantic projectile, shot against the earth as a target.

Comet sa re very deceptive in regard to weight or mass. They are enormally a fact, but retartively were enormally a fact, but retartively with the company of the colliding comet, considered as a gigantic projectile, shot against the earth as a target.

Comet sare very deceptive in regard to weight or mass. They are enormally a fact, but retartively were not considered that appeared in 1881, which first grazed the sun and then swept the earth with its tail. You perceive how insignificant our globe looks in its presence. But size is not everything, for small as the earth is compared with that great comet, it outwelghed it millions of times.

Halley's comet also occupied vastly more space than the earth, but careful estimate has shown that it probably did not weigh more than 30,000,000 tons, which is much less than the weight of the material excavated to make the "anama Canal".

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Tells How She Was Saved by Taking Lydia E. Pinkham's Vegetable

Compound.



this I refused. I told my husband to get me a bottle of Lydia E. Pinkham's Vegetable Compound and I would try it before I would submit to any operation. He did so and I improved right along. I am now doing all my work and feeling fine.

"I hope other suffering women will try your Compound. I will recommend it to all I know." — Mrs. Daniel D. B. Davis, 110 Franklin St., Logansport, Ind.

Since we guarantee that all testimoonials which we publish are genuine, is it not fair to suppose that if Lydia E. Pinkham's Vegetable Compound has the virtue to help these women it will help any other woman who is suffering in a like manner?

If you are ill do not drag along until an operation is necessary, but at once take Lydia E. Pinkham's Vegetable

Write to Lydia E. Pinkham Medicine Co., (confidential) Lynn, Mass. Your letter wil be opened, and held in strict confidence.

Cumberland Valley Railroad TIME TABLE

In Effect November 30, 1913.

TRAINS leave Harrisburg—
For Winchester and Martinsburg at 6:03, 7:52 a.m., *3:40 p.m.
For Hagerstown Chambersburg, Carlisle, Mechanicsburg and intermediate stations, at 5:03, *7:52, *11:53 a.m., *3:40, 5:22, *7:40, *11:15 p.m.
Additional trains for Carlisle and Mechanicsburg at 9:48 a.m., 2:18, 2:27, 5:30, 9:30 a.m., 2:18, *3:40, 5:32 and 6:30 p.m. m. Daily. All other trains daily except and H. A. RIDDLE, G. P. A. Sunday. TONGE. Supt.

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squintillion foot-pounds of energy, equil-valent to the development in one second of thirty-six thousand million horse-power?

Where the comet struck everything—rock, soil, vegetation—would be meited, vitrified, and even vaporized, in an instant, for all this tremendous energy would be turned into heat, through the sudden and complete arrest of the swift motion of the comet. The six hundred direction of a solute units of energy developed for a solute units of energy developed for a solute units of energy. The result would be a very big and a very deep hole in the earth. Thousands of square miles would be more or less directly affected by the terrific impact, for the shock would be greater than that of the mightiest earthquake, and perhaps buildings would tumble into ruin and mountains would shake of their fringes of rock in all parts of the globe, while the sea would hirliself in whelming tidal waves upon every coast and drown all the low-lying islands. Great Heat

The atmospheric disturbance would also be enormous. The sudden develoment of great heat at the point of collision would unbalance the air currents, and destructive and capricious winds would blow to and fro over the earth. We have only a little space left to consider the effects of a collision between the earth and the tail of a comet. This is something that has actually occurred two or three times within a century. As already said, the comet of 1861, shown in the picture, enveloped the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end of its to come the earth with the spreading end the end to the en

Miss Fairfax

Answers Queries

SHE CALLS YOU HER FAVORITE DEAR MISS FAIRFAX:

DEAR MISS FAIRFAX:

I am deeply in love with a young lady. I thought she loved me, until two weeks ago, when she gave another boy some candy she made. When I asked her about it she confessed she gave this other boy the candy, but swore she loved me best. Then she sent me a box of home-made candy with a note in which she called me her favorite. I understand she gives candy to a lot of boys. Do you think she loves me?

me?

SHE gave you candy, too, and since you have no right to monopolize her time and efforts, you can't complain.

My criticism of her is based on the iground that she gives candy to you, or to any other boy. She should be the recipient of such favors, not the donor.

THERE IS NO SUCH LAW

ing me all over. At last my doctor told me that all that would save me was an operation, but this I refused. I my husband to get me a bottle of lia E. Pinkham's Vegetable Comnd and I would try it before I would mit to any operation. He did so and

"MISS" BY ALL MEANS

DEAR MISS FAIRFAX:

I work in a shop with a number of older ladies and we had an argument over what we should call them. By their first name or "Miss," as I am a good deal younger than they. C. A. T. IT would be disrespectful under the circumstances to call them anything but "Miss" Smith or "Miss" Jones.

If friendship warrants a more intimate mode of address it is a pleasing style to call an older woman "Miss" Jane or "Miss" Mary.

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\$3.00 Women's Silk Messaline Petticoats, all high grades, every one guaranteed. Quantity limited. 98c

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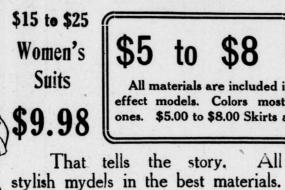
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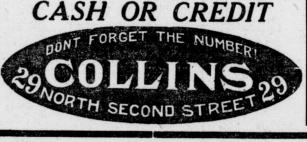
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\$2.50 to \$5.00 Men's Pants, light colors only---Last season's goods---Only 56 pair. Only 1 pair 79c

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