For Girls and Bons,

WHAT GEOMETRY WILL DO FOR A BOY.

'HOW PRESIDENT LINCOLN BECAME AN EXPERT REASONER.

S BY PROF. W. A. HOWRY.

Now, boys, let us have a little talk about geometry. You know it has been a famous study for boys for many ages. Euclid was an old 'Egyptian, who lived about three hundred years before Christ.' His 'treatise, on geometry has been the foundation for all modern works upon the subject. Plato, who lived a century earlier, founded. a noted academy at Athens, and it is related that over its entrance he placed the celebrated inscription, Let no one ignorant of geometry enter here.

This branch has been considered an important part of a good education for two thousand years. Yet I hear many boys in these days saying, "I don't like geometry. I wonder what good it will do me.'

I once heard a very inceresting story about Abraham Lincoln, which may help you to understand the "good." Before Mr. Lincoln was a candidate for president, he made a tour through New England and lectured in many cities and towns. Among other places he spoke in Norwich, Ct. A gentleman who heard him, and was struck with his remarkable logical power, rode the next day in the cars with Mr. Lincoln to New Haven. During the ride the following conversation took place:

"Mr Lincoln, I was delighted with your lecture last evening."

"Oh thank you, but that was not much of a lecture, I can do better than that." "I have no doubt of it, Mr. Lincoln, for, whoever can do so well

must inevitably be able to do better."

"Well, well, you are a good reasoner, aren't you? That is cute." "But that reminds me," continued the gentleman, "to ask how you acquired your wonderful logical power. I have heard that you are entirely self educated and it is seldom that I find a self educated man who has a good system of logic in his reasoning. How did you acquire such an acute power of analysis?"

"Well, Mr. G., I will tell you. It was my terrible discouragement which did that for me.'

"Your discouragement-what do you mean?"

"You see," said Mr Lincoln, " that when I was about eighteen years of age I went into an office to study law. Well, after a little while I saw that a lawyer's ousiness was largely to prove things. And I said to myself, 'Lincoln, when is a thing proved ?' That was a poser. I could not answer the question. What constitutes proof? Not evidence, that was not the point. There may be evidence enough, but wherein consists the proof?

"You remember the old story of the German, who was tried for some crime' and they brought half a dozen respectable men who swore that they saw the prisoner commit the crime. 'Vel,' he replies, 'vat of dat? Six men schwears dot dey saw me do it. I prings more nor two tozen goot men who schwears dey did not see me do it.'

"So, wherein is the proof? I groaned over the question, and, finally said to myself, 'Ah, Lincoln, you can't tell.' Then I thought, 'What use is it for me to be in a law office, if I can't tell when a thing is proved?' So I gave it up, and left the office and went back home, over in Kentucky."

"So you gave up the law?"

"Oh, Mr. G., don't jump at your conclusions. That isn't logical. But really, I did give up the law and I thought I should never go back to it. This was in the fall of the year. Soon after I returned to the old log cabin, I fell in with a copy of Euclid. I had not the slightest notion what Euclid was, and I thought I would find out. I found out, but it was no casy job. I looked into the book and found it was all about lines, angles, surfaces and solids. But I could not understand it at all. I therefore began, very deliberately, at the beginning. I learned the definitions and axioms. I demonstrated the first proposition. I said, that is simple enough. I went on to the next and the next. And before spring I had gone through that old Enclid's geometry and could demonstrate every proposition like a book.

"I knew it all from beginning to end. You could not stick me on the hardest of them. Then in the spring, when I had got through with it, I said to myself, one day, 'Ah, do you know now

when a thing is proved?' And I answered right and loud, 'Yes, sir, I do.' 'Then you may go back to the law shop.' And I went."

"Thank you, Mr. Lincoln, for that story. You have answered my question. I see now where you find your logical acumen, you dug it out of that geometry." "Yes, I did, often by the light of pitchpine knots. But I got it.

Nothing but geometry will teach you the power of abstract reason-Only that will tell you when a thing is proved." ing.

Said Mr. G., "I think this a remarkable incident. How few men would have thought to ask themselves the question. When is a thing proved ? What constitutes proof? And how few young men of eighteen would have been able to master the whole of Euclid in a single winter, without a teacher. And still fewer, after they had done so much, would have realized and acknowledged what geometry had done for them; that it had told them what proof was."

So, my young friends, you may perhaps see by this incident. what geometry will do for a boy.—*The Congregationalist.*

WATCHING HIS FATHER.

BY GEORGE R. SCOTT.

It should not only be the duty, but also a pleasure of a father to watch carefully over the actions of his son. Do they all do it? A little boy eight years of age, named Centennial Halcomb, residing in Brooklyn, at 3 o'clock : in the morning, at the corner of Bowery and Grand street, New York, was discovered sitting on his father's breast, looking helplessly around, the man, who should have been the little fellow's protector, being in a state of helpless intoxication. When brought to court the father gave as his excuse that he "went to Williamsburg, lost his way, got over to the city by mistake, andwandered among the saloons until he became unconscious." The Society for the Prevention of Cruelty to Children has now charge of the boy.

About the same time the Senate of the State of New York justly passed. a bill prohibiting the manufacture and sale of oleomargarine and butterine. I'm glad of it, for after looking at a picture in the Judge, eating any kind of butter is hard work, and I sigh to be the owner of one or two good cows, so that my family may know what they eat and drink. But what I want to know is this :-

After a father or mother has partaken of oleomargarine, has it the same effect on them as the liquor had on Mr. David Halcomb; or, in other words, when a father eats butterine, does it lay him on the broad of his back in the public streets, with his little son sitting on his breast keeping .watch over him?

Again : If it is right for legislators to forbid the sale and manufacture of what is hurtful to eat, is it not equally important to prevent the making and selling of what is detrimental to drink?

People tell me that the trouble with oleomargarine is, it is made out of such nasty materials that its manufacture ought to be suppressed by law. and I guess they are right.

Not long since I saw a man who is in the habit of drinking, receive his wages at about 4:30 in the afternoon, at which time he was sober. On passing through one of the archways of the Brooklyn Bridge at 5:30 (one hourdater) I saw the same man; lying beside a log as stiff as a dead man, drunk through and through. What do you think the liquid he had been. drinking was made out of to have had such a terrible effect in such a short time?

Oleomargarine is bad enough, but it can't hold a candle to "forty-rod whisky." .

The mohibition of the manufacture and sale of articles of food injurious to the human system is worthy of all praise, and the Senators of the Empire State have acted nobly in the matter. Will they now follow it up by, passing a law to save little boys and girls from seeing their fathers and mothers ruined by the sale of what is called whisky, brandy, porter, beer,

I have never as yet seen a case of delirium tremens, or anything equal . to it, brought on by eating bogus butter. For blood spilling, mischiefmaking, and producing poverty, a gallon of whisky will do more than a waggon-load of the prohibited butter.

Both should be stamped out by law, and the quicker the better.-Week. Ly Witness.