Among the many good people who use more sentiment than reason, or who lack knowledge of the f t, it has become a fad to say it is a crime to cut down a tree and that it is always, and under any circumstances, an act of greatest virtue to plant

Each variety of fruit or ornamental tree, when it reaches maturity under reasonably favorable conditions, has its established size or spread of branches. Among the better shade trees commonly planted, this reaches 40 to 50, and even a greater number of feet in diameter. In dense forests we see the trees stretching up and up, after the precious sunshine and air; losing their side branches and becoming a collection of giant telegraph poles with pitiful little bunches of green at the top; nothing beautiful about them, and all smaller and weaker specimens uilled out or crippled.

Every tree, to be beautiful, must have room to expand and develop to its proper proportions, and to retain the side branches with which nature always furnishes them, under such conditions, unless thwarted by the bungling hand of the hired man with the axe or saw.

Street trees should never be planted to be ultimately nearer than feet apart. Most of the better shade trees are slow in growth. It is quite advisable to plant quicker growing trees in between them for immediate

the poorer, quick-growing tree is so much larger and finer looking a speci men, that the owner's heart fails him and he compromises by hacking off the branches of all ruining the whole row and, at that, only affording tem porary relief, as it must be done again and again. In a few years the poorer and short-lived trees begin to die, and soon only a straggly row of melancholy cripples exists, where might have been noble specimens, good for generations to come.

Trees should never be planted so as to densely shade a building where humans or animals abide. The sun-must reach every part of our dwellings for at least a part of the day, or the doctor will be a certain and frequent visitor.

Trees must not be planted in center of the lawn: At the side or the rear is the place for them if they will there have room to develop. A spread ing apple tree or two in the back-yard is good for shade and for its fruit- if it is sprayed to kill the insects and fungous diseases

If the house is densely shaded, use the axe ruthlessly and open the place uu to admit air and light. If two trees are crowding each other select the best, or best located, and put the axe to the other, unless it is small enough to move.

Don't trim up-cut down. One per fect tree is of more value than a yard full of crippled or stunted specimens.

MUSICAL INSTRUCTION

semi-brevet, minims, crotchets and pany, in which Mr. John E. Stewart by the Tobique Salmon Club, an or- greatest salmon streams in America. quavers, &c .- by their designations, although he knew each one by head mark and its musical value very well set to work in this way:-"Here, Norman," took your pipes, my goot lad, and blow a blast." Norman did as requested. "So, so!" exclaimed the old man, "tat iss very well, well blown, inteed—just beautiful. But what is sound, Norman, without sense? Just so. You may blow forever without making a tune of it if I do not tell you how ta queer things on ta paper are to help you. Look here, lad, You see tat big fellow with ta round, open face (pointing to a semi-breve between the two lines of a bar), he moves slowly from tat line to tis while you beat one with your foot and give a long blast. Now you put a leg to him. You make two of him and he will move twice as fast. If you blacken hims face he will run four times faster as ta fellow with ta white face; but, besides blackenin' hims face, if you will bend hims knees, or tie hims legs, he will hop eight times faster as ta white faced fellow I showed you ta first time. And now, whenever you blow your pipes, Norman, remember tis, the tighter you will tie tese fellow legs ta faster they will run an' ta quicker they will be sure

THE CASE AND THE EXCEPTION Doctor (to maid)-I am Dr. Cure-They have just telephoned me to come here immediately. How is

the patient? Maid-Oh,

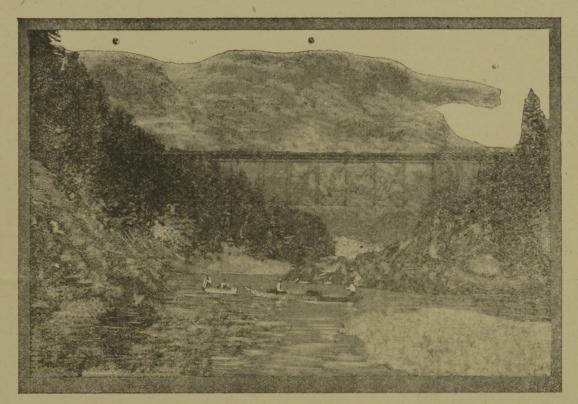
five minutes ago. Doctor-Well, never mind. In this case, at least, nobody can say that I was the cause of death.

TREES IN PLACE New Brunswick's Water Powers F THE COMET SHOULD



GRAND FALLS OF THE ST. JOHN

The above engraving shows Grand water power, the finest in the prov- John, there is but little doubt but Falls, the mightiest cataract east of ince, is soon to pass into the control that the motive power would be gentrees in between them for immediate effect, to be cut out later when they begin to crowd and injure each other attractions of New Brunswick. It is Quite often when this time comes, understood that this magnificent operated along the valley of the St. water rushes through a rocky gorge.



THE TOBIQUE NARROWS.

A Highland piper, having a pupil placed in his hands by his chief, and not knowing the notes of music—the semi-brevet minims crotchets and

The above engraving shows the of Andover, is a leading spirit, has ganization largely composed Narrows of the Tobique River, and been seeking legislative authority to wealthy sportsmen who control valu-



THE POKIOK FALLS.

The accompanying engraving de-|William, through a well-wooded coun- about fifty-five miles from this city. picts one of the great scenic attractory, you have artions of York County, the Pokiok of almost fifteen miles. The Falls of Almost fifteen miles are died not bell with the valuable timber of the great scenic attractory, to the St. John River, a distance forty feet. This splendid water power, together, with the valuable timber rived too late! My master died not Falls. The Pokiok stream flows from are close to the main highway road limits on the Pokiok, was recently Lake George, in the Parish of Prince in the Village of Pokiok, which is acquired by an American concern.

was the cause of death.

FISHING

She—You don't love me any more.

What He Did.—If a Sunday School the teacher was giving a lesson on day that all laughter was sinful, and at the same time took his minister to task for playing cricket. A day or the first thing Daniel did when he two afterwards the minister caught state of their religious knowledge he

What He Did.—In a Sunday School | Mixed.—A Greenock minister had a

I know it. I feel it.

He—But, pet, I assure you, I adore you.

She—No, no, no! No man can love a woman with such old clothes as mine.

the list thing planter due when he two atterwards the minister caught the elder looking through the railing chanced to say, "And of course you the elder replied: "I wass not lookin' the elder replied: "I wass not lookin' at the game at all. I wass lookin' at a man to see if he wass the man I thocht I wass lookin' at."

state of their religious knowledge he the elder looking through the railing chanced to say, "And of course you the elder replied: "I wass not lookin' "Fa' o' mankind!" exclaimed one at the game at all. I wass lookin' at a man to see if he wass the man I thocht I wass lookin' at."

'Deed No .- An old-fashioned minis

COLLIDE WITH THE EARTH!

(Scientific American.)

ed at "a chariot of fire" which flared up in his day, that Halley was
prompted to look closely into its
movements. His work led to the
startling result that the comet, when
passing through the descending node,
had approached the earth's path with
we should expect to be struck by in a semi-diameter of the earth.Nat-urally, Halley wondered what would have happened had the earth and the comet been actually so close together in their respective orbits. Assumting ing the comet's mass to have been than in other regions of the sphere, comparable with that of the earth, the collisions would occur rather (an assumption which we now know more frequently than this, but hardto have been utterly beyond reason) ly as often as once in 2,000,000 years he concluded that their mutual and since it has been estimated that gravitation would have caused a change in the position of the earth for about 100,000,000 years, a in its orbit, and consequently in the length of a year. This train of thought led him to consider what taken place in that interval, in Prof. the result of an actual collision Pickering's opinion, evidently withwould have been, and he concludes out producing any very serious rethat "if so large a body with so rapid a motion were to strike the earth—a thing by no means impossile—the shock might reduce this

superstition and the terror which that a body like a comet, which can once followed in a comet's wake, but also pointed out a possibility which the without deranging a single one the superstitious Dark Ages had never dramed of. It seemed to Halley not small that it cannot appreciably afimprobable that the earth had at feet the waters of the earth. As it is some remote period been struck by a comets are more likely to be capturcomet which, coming upon it obliquely, had changed the position of the axis of rotation, the north pole to derange a member of the solar having originally, he thought, been at a point not far from Hudson's
Bay. The more recent investigations to Halley's comet naturally of Kelvin and Sir George Darwin causes many to wonder what will be

many astronomical mathematicians. mers claimed to have noticed auror-Leplace, for example, painted the al glares and meteoric displays at possibility of a collision with the time, but whether these were earth so vividly that he startled his really associated with the comet or day and generation. He drew a picture of a comet whose mass was such all event, it may be safely held that th t a tidal wave some 13,000 or 14,-000 feet high inundated the world, with the result that only the high-est peaks of the Himalayas and the Alps protruded. Lalande created a ferred that the wild tales of the pospanic by a similar consideration of the subject in a paper which was inform which the newspapers are very tended for presentation before the largely responsible, are utterly with-Academy of Science, but which was out foundation. It is true that a not read. Such was the popular ex- comet's tail is composed of poisoncitement, that he felt himself constrained to allay the public fears as well as he could in a soothing article published in The Gazette de France. The masses assumed by both Laplace earth is brushed by the tail of Hallay's comet, the composition of the and Lalando are so preposterous that ley's comet, the composition of the their theories are no longer serious-ly considered by any sane astronom-that a chemist could detect it. Flam-

lande there have been several comet "scares." Biela's comet crossed the earth's orbit on October 29th, 1832. When that fact was announced, Europe was in a ferment. The orbit of the earth was confused with the earth itself. Such was the popular excitement, that Arago took it upon himself to compute the possibilities of a collision. He pointed out that the earth did not reach the exact spot where the comet had intersected sible effect of passing through a tail highly charged with vapors. He has shown us terrified humanity gasping for breath in its death struggle with carbon monoxide gas, killed off with merciful swiftness by cyanogen, and dancing joyously to an anasthetic death produced by the conversion of the atmosphere into nitrous oxide or dentist's "laughing gas". No one of any common sense should be alarmed by these nightmares, particularly spot where the comet had intersected the earth's orbit until a month later, on November 30th, on which date the comet was 60,000,000 miles away. Incidentally, he pointed out that a diminution in brightness. collision was glways happily remote. He thought that the chances of a meeting were about one in 281,000,-000. Eabinet, on the other hand, I want a very good maid and one hand, thought that a collision was likely to take place once in about 15,000,000 years. More recently the entire problem has been considered send you. She has been five years by Ptof. W. H. Pickering, of Har- at a telephone switch-board.

vard. By a collision he understands, On May 18th the earth will be first, that any part of the earth plunged into the tail of Halley's strikes any part of the comet's head; comet, and the nead of that body second, that any part of the earth will be 15,000,000 miles away. It is strikes the most condensed point in but natural that a thinking man should ask: Is there a possibility that the earth may encounter a comtant that the earth may encounter a comtant that the earth may be sometimes point in the head, (the core), as distinguished from the larger nucleus. What the average size of a visible comet's head may be, we have no means of et and thus come to a frightful end?
Curiously enough it was Halley
himself who first pointed out this
possibility. Whiston, Newton's successor in the Lucasian chair of math- was 1,200,000 miles; that of Holme's ematics at Cambridge, was so alarmed at "a chariot of fire" which flar-that of naked-eye comets generally

beautiful world to its original ct seems astonishing that a man of Laplace's wonderful mathematical powers should not have concluded powers should not have concluded

completely upset any such theory.

Since Halley's time the chance of a collision between the earth and a comet has engaged the attention of wiser until long after. Some astronometers and the effect upon the inhabitants of the earth. Similar passages occurred in a collision between the earth and a last and 1861, but no one was the comet has engaged the attention of wiser until long after. Some astronometers are completely upset any such theory. narion has drawn a vivid picture in his "La Fin du Monde" of the poslande there have been several comet sible effect of passing through a tail

BUSINESS

You should bear in mind that the Customer is the Individual who cuts the widest swath around your establishment; However Courteous and efficient your clerks may be, if you do not have customers your establishment will soon eat its head off. Bear in mind that THE DAILY AND SEMI-WEEKLY MAIL go to the homes of the people who have money to spend. It is our business to find Customers for you through the medium of the advertising columns of the Mail.

A WORD TO THE WISE OUGHT TO BE SUFFICIENT