November, 1879.

Commission to send Sub-Commissioners to the United States and Canada, Belgium, Holland, France, Russia, Australia, and other lands from which our grain markets are stored in overflowing abundance. This will obviously lead to an investigation of the methods of farming in those countries, and the facilities of transportation, and trom the facts thus accumulated on the spot some crumbs of advice may be deduced for the benefit of our own griculturists. As Mr. Gladstone lately pointed out, they pay much less attention in America to beauty than to utility and rapidity of result, and he might have added that this is true in general fall new countries. But in the matter of food there is fact that grain can be transported 4,000 miles from Chicago to Liverpool—one thousand of these being by rail—at the rate of 35 cents per 100 lbs. Yet all is dearer in a new country than in an old, except land and food.

POISONING BY STRYCHINE.

A recent case of poisoning by strychnine in San Francisco where the patient was well and rational for a long time after the preception of the deadly drug, and conversed pleasantly with his successful that where life remains the effect of the strychine may be entirely obliterated and its deadly action destroyed. We allude to chloroform. The effect of strychnine on the system is to probring about paralysis. Aiming directly for these points, it reaches power upon the system. In case of poisoning by so doing, the contraction is made manifest by the "twitching" of the mushas generally been said to be so effectually under the influence there need never be a fatal case of poisoning by this deathproducing element, and that as long as any signs af life remain a can be effected.

Theorem is administered in sufficient quantities to keep the patient under its influence. This meethetic attacks the nerve centers with the same vim as strychnine, but produces a contrary effect, in that it causes a relaxation, and fights the strychnine on its own ground. By allowing the patient to reenver from the effects of the chloroform, the "twitchings" of the muscles will be resumed if the strychnine has not been plied again without delay, and kept up as long as the nervous or ethoroform is apparent as soon as administered. The contractions and twitchings of the mouth, etc., immediately cease, and o not return as long as the patient is under its influence.

THE DECLINE IN PRICES.

As indicative of the remarkable general falling off in prices during the past decade, the following incident may be cited : A prominent drug and paint firm of this city, says the Boston Comfor white lead and linseed oil, filled in 1868, and upon examinaarticle was \$14.25 per hundred, and for the latter \$1.20 per \$1.00. To day they are selling at \$9.50 and 65 cents respective to day it is quoted at \$2.02. Spirits of turpentine brought 75 at 43 per gallon; to-day it sells at 274 cents. Naptha was held Salt soda at \$3, oxalic acid at 35 cents, camphor at \$1.10, brimtone at 4 cents, sulphur at 54 cents, and Venetian red at 3 cents.

SOUNDING NIAGARA RIVER.

The United States Corps of Engineers has recently had the to the bungling and unscientific means employed by those who takenpted it. Bars of railroad iron, pails of stones, and all untainable bulky and awkward instruments had been attached bositively refused to sink. The very bulk of the instruments as aufficient, no matter what their weight, to give the powerful

under-current a way to buoy them up upon the surface, or near it. By means of a small lead weighing twelve pounds, however, and a slender cord, the depths from the falls to the lower bridge were easily obtained. One of the sounding party says that the approach to the falls in a small boat was made with great difficulty. Great jets of water were thrown out from the falls far into the stream, and the roar was so terrible that no other sound could be heard. The leadsman cast the line, which passed rapidly down and told off 83 feet. This was quite near the shore. Passing out of the friendly eddy which hid aided them in approaching the falls, they shot rapidly down stream. The next cast of the lead told off 100 feet, deepening to 192 feet at the inclined railway. The average depth to the Swift Drift, where the river suddenly becomes narrow, with a velocity too great to be measured, was 153 feet. Just under the lower bridge the whilpool rapids set in, and so violently are the waters moved that they rise like ocean waves to the height of twenty feet. Here the depth was computed to be 210 feet.

THE END OF THE WORLD.—Camille Flammarion, the wellknown French scientist, thus beautifully expresses himself in La Correspondance Scientifique, regarding the ultimate fate of our globe:

"We all of us admire to-day the beauties of terrestrial nature, the verdant hills, the perfumed meadows, the purling brooks, the mysterious shades, the groves animate with singing birds, the mountains crowned with glaciers, the immensity of the seas, the warm settings of the sun in clouds edged with scarlet and gold, and the sublime glimmering of the sun on the mountain tops when the first rays of the morning shiver in the gray mists of the plain. We admire the human works which to-day crown those of nature; the bold viaducts thrown from one mountain to another, and over which speeds steam; the ships, marvelous structures traversing the ocean; the brilliant and animated cities; the places and temples; the libraries, museums of the mind; the arts of sculpture and painting, which idealize the real; the musical inspirations which make us forget the vulgarity of things; the works of the intellectual genius who explores the mysteries of the world and transports us into infinity; and we live in happiness in the midst of this life so radiant, making ourselves an integral part of it. But all this beauty, all these flowers and these fruits will pass away. The earth was born; she will die. She will die either of old age, when her vital elements shall have been used up, or through the extinction of the sun, to whose rays her life is suspended. She might also die by accident, through collision with some eelestial body meeting her on her route; but this end of the world is the most improbable of all.

of all. "She may, we repeat, die a natural death through the slow absorption of her vital elements. In fact, it is probable that the air aud water are diminishing. The ocean, like the atmosphere, appears to have been formerly much more considerable than it is in our day. The terrestrial crust is penetrated by waters which combine chemically with the rocks. It is almost certain that the temperature of the interior of the globe reaches that of boiling water at a depth of about six miles, and prevents the water from descending any lower; but the absorption will continue with the cooling of the globe. The oxygen, nitrogen, and carbonic acid which compose our atmosphere, also appear to undergo absorption, but slower. The thinker may foresee, through the mist of ages to come, the epoch, yet afar off, in which the earth, deprived of the atmospheric aqueous vapor which protects her from the glacial cold of space by preserving the solar rays around her, will become chilled in the sleep of death. As Henri Vivarez says: • From the summit of the mountains a winding sheet of snow will descend upon the high plateaus and the valleys, driving before it life and civilization, and masking for ever the cities and nations that it meets on its passage.' Life and human activity will press insensibly toward the intertropical zone. St. Petersburg, Berlin, London, Paris, Vienna, Constantinople, and Rome will fall asleep in succession under their eternal shroud. During very many ages equatorial humanity will in vain undertake arctic expeditions to find again under the ice the place of Paris, Lyons, Bordeaux, and Marseilles. The sea coasts will have changed, and the geographical map of the earth will have been trans-formed. No one will live and breathe any more except in the equatorial zone up to the day when the last family, nearly dead with cold and hunger, will sit on the shore of the last ea, in the rays of the sun which will thereafter shine here below on an am-