ence: for though he knew the train was being obecked, he realized that it could not be stopped before reaching the place where the child was, and to the picycle rider it seemed to take an hour to go the distance. When Long had started in the race be saw that to lose it meant to lose his life also, so that his run then became a race for two lives, and he woo. It was an act of heroism in which the bicycle deserves credit for sflording the means of eaving the haby's life.

STIMULANTS IN THE UNITED STATES

The use of alcoholic stimulants in the United States has decreased five per cent since 1892, chiefly in whisky and wines, but in 1896 there is yet the following showing of the drink bill of the American people, so far as sico-holic stimulants are concerned: Beer holic stimulants are concerned: Beer (domestic), \$533,662,867; beer (imported), \$3,800,531; whisky (exclusive or quantity used in arts), \$270,000,000; wines (domestic), \$29,199,514; wines (imported), \$20,530,980; grand total, \$861,693,832, or about \$12 per capita. In non-alcoholic beverages the proportionate use of tea has not increased. but coffee has, and to a remarkable extent. Bringing together the alcoholic and non-alcoholic stimulants used in the United States in 1896, the total value is \$1,016,126,400, as f llows: Alcoholic drinks, \$861,693,832; nonalcoholic stimulants - coffee, 261,086; tsa, \$31,171,432; cocoa, \$3, 000,000; total, \$1,016,126,400. Tale represents a yearly per capita ex-penditure for beverages of \$14.31 for 71,000,000 Inhabitants of the United States, or 4 cents per day, sizsevenths being for alcoholic drinks. The figures given are furnished by the American Grocer, whose editor is a government authority on the subject, and leads the New York Voice, a prohibition journal, to call attention to the incorrectness of the assertion that the control of the secretion of the secretic of the secretion of the secretion of the secretic of the secret that "poverty leads to drink," and the Temark that, "while some of the lessened consumption of liquor is doubtless due to an improved public sentiment regarding the use of drink, and afford's encouragement to the tem-Derance advocate, a comparative study of the figures given shows conclusively that powerty and hard times, instead of driving mea pell-mell to the hottle, tend to a lessened use of intoxioants."

OUTSIDE OR INSIDE?

Experiments in geodetic survey are, according to the Chicago Times-Herald, being conducted on the coast of Florida, that, whatever the results may be, should be of general loterest. The purpose is to demonstrate with ecientific precision the curious theory that the inhabitants of the earth are living, not on the exterior but on the interior surface of the globe and that this surface, consequently, is not convex but concave. It is evident, could this be demonstrated, that the whole cosmogony of the present generation must be abandoned.

For many years Dr. Cyrus Teed of Chicago, the tonnder of the Koreshan

taken to demonstrate it, and it is expected that the results of his labors in this direction will be published and will challenge most careful scientific in veetigation.

The proposition is simple enough.
If the inhabited surface of the earth is convex, as now generally believed. an absolutely straight line starting at right angles to the perpendicular at any given point, on being extended, would gradually appear to rice above the level. It would be a tangent to to the convex arc. It the surface be concave, a similar line would appear to rise for a certain number of miles and then again approach the level and finally run into it. Prof. Morrow proposes to show that the latter is actually the fact.

For this purpose the has constructed an apparatus he calls the rectilineator, This consists of a number of sections of double T straight edges, the right or double T straight edges, the right angled cross arms of which are arranged for adjustment. The modus operandi by which the surface of the earth is now being tested is that of practically building a line—mechanically forcing a straight line from the middle or leveled section to the terminal point of survey. And on this contrivance the Koreshaus have staked their faith. The survey commenced on March 18th upon the beach of Naples, and so far, it is claimed, the result has been as antici-pated. When the end of three miles uss been reached, the horizontal axis of the straight line will be six feet nearer the water level than at the hegluoing, where it has an altitude of ten fee'

Simultaneous with these surveys other observations have been made. Prof. Morrow says he one day observed a jarge steamer in the southern borizon. Only the smoke was visible to the unaided eye, the body of the steamer being entirely out of sight. Through the staff's large mounted telescope, the whole of the body of the vessel, the profesor says. was prought into view, even down to the water upon which it sailed.

Of another experiment the following account is given!

On the Bay of Naples a target 20 by 30 inches was placed near the water and observed at a distance of four and one-balt miles. To the unaided eye the target was entirely invisible; the water horizon seemed to ecoult the lower kimbs of the balt of management trees constitution. of the belt of mangrove trees constituting the background of the views. Out in the water of the bay the telescope was fixed at an altitude of 30 inches above the water, and through it the entire surface of the target stood out in bold relief in the dark background. The instrument was then lowered to within 18 inches of the water, with the same results; after-ward, at a height of 10 inches above the water, with the target still in plain view. Very careful observations were made and repeated with the telescope at this altitude. The target appeared clear-out and well defined, and the space between the lower edge of the target and the water was even observable. Then, to make the test absolutely satisfactory to the Koreshans, the telescope was fixed upon the water's surface. fixed upon the water's surface. With the instrument almost touching the water long and careful observations were made. The entire nd careful The entire anriace of the target could be seen stand-

axis of the telescope 2 inches above the water, would be about one-half mile distant, having four miles of water sur-face to decline from the borizon point, amounting to over 10 feet; the target, it is claimed, would have to be higher than 10 feet in order to be visible. As the top of the target was only 24 inches above the water, it would be over 8 feet below the line of sight.

Speaking of the alleged experiments. Prof. Morrow says:

We are now projecting other work— more extended observations and the construction of another rectilineator ap-paratus with which we expect to meet the scientific world in public test to com-pletely and satisfactorily settle the ques-tion of the earth's shape for the general public. Our system, if not substantiated by actual facts, is worth nothing. If it is, and the earth is concave, then it premise is the greatest discovery o modern times, and it will be the system of the treatite contary and far all of the twentieth century and for all future ages.

ENGINEERING ACCURACY.

The acouracy with which mechanical engineering may effect its operations underground and entirely out of eight or reach of immediate surface indications has received another illustration in the completion of the waterworks tunnel hetween West Beriin and Clinton, Mass., this week. The tunnel is two and a half miles long, ten feet high and thirteen feet Most of it is through solid rock. Boring or blasting was done from five points, one at each en i of the tu onel and three from intermediate analts. Eight tunnels were being hored at once, and were united into one at four points of connection with such ac-curacy that all came together within a fraction of an inch. The last connection, completed this week, only one-fourth of an inch out of the way in covering a gap of over balf a mile.

PRAYING IN PUBLIC.

A few Sabbatus ago a preacher in one of the easter a churches, evidently being anxious to please his congregation, confidentially inquired of one of the leading members of his flock if he could suggest any improvement weekly religious service. Tae gentiecould suggest any improvement in the ur; if you could give more attention to your prayers and less to your ser-mone." In view of the fact that the sermons were not long but that the minister's prayers often were insufferably so, the force of the suggestion could not be avoided.

In noting the incident there will be people in this part of the country who will feel that some who are called to fficiate in public religious ceremonies might profit by the advice given to the eastern divine, and their conformity thereto would be appreciated by their fellow-worshipers. The sermen of a religious tencher should have bestewed upon it all the care necessary to make its statements accurate, clear, earnest and forcible, and be accompanied by the Spirit that bears witness to Chicago, the founder of the Koreshan ing yet with the dark line of back. soulety, has advocated this view. Proground beneath it. On the basis of the bestown of this care does not involve feesor U. G. Morrow has now under-earth's convexity the horizon, with the preparation of "teady-made" distrue religious instruction; and the