# TWO RUNNING WONDERS.

## The Men Who Have Tied Wefers's Record for the 100 and the 220 Yards.

Two new and wonderfully promising college athletes have made their appearance. They have equalled two records of Bernard J. Wefers, who was regarded as so great a runner that he was not likely to be beaten for years, if at all.

Wefers held the record for the 100 yards dash with 9 3-5 seconds, and for the 220 yards dash with 21 1-5 seconds. Fabius Julius Haywood, of the University of North Carolina, has tied the first, and Cadet R. W. Henderson, of the United States Naval Academy, has tied the second. Both these men are promising all-round athletes.

Haywood was born in Raleigh, N. C., on November 14, 1876, and is from one of the most distinguished families in the South. He was prepared for college at the preparatory school of Morson and Denson, in Raleigh, and during his school days was considered the best boy sprinter in the academy. He also took honors on the academy football eleven, playing left half-back.

Haywood entered the class of '97 in the University of North Carolina at the age of sixteen, and during his sophomore year came into prominence as the left half-back of his class football eleven. In 1895 he was substitute half-back on the varsity, but in '96 he became a star-back, taking his position at left half and making many phenomenal runs during the season.

The trial on university field day on May 8, when he made his record, was his first contest against time, as his speed had only been noticed on the athletic field in the football games. In his physical measurements, taken November 23, 1896, Haywood has 35 points above the average shown by Yale anthropometric table compiled from the measures of twenty-three hundred Yale students.

Haywood takes the degree of A. B., with honors, this Spring at the University of North Carolina, but will attend some college in the North.

Haywood's measurements are:

| | |
|---|---|
| Weight | 150 pounds |
| Height | 5 feet 9.4 inches |
| Girth of neck | 14.9 inches |
| Girth of chest (normal) | 36 inches |
| Girth of chest (inflated) | 38 inches |
| Girth of waist | 31 inches |
| Girth of hips | 36.8 inches |
| Girth of thigh | 22 inches |
| Girth of knee | 14.1 inches |
| Girth of calf | 14.5 inches |
| Girth of instep | 9.1 inches |

He says he verily believes he can by careful training better his record. He attributes his good condition to the advice given him by Dr. H. E. Meehling, gymnasium instructor in the university.

College Student F. J. Haywood, who has tied Champion Wefers' wonderful record of a 100-yard dash in 9 3-5 seconds.

Three Brilliant Stars of the American Amateur Athletic Field.

Naval Cadet R. W. Henderson, an all-round amateur athlete, who has equalled Champion Wefers' record of 21 1-5 seconds in the 220-yard dash.

The most popular cadet at the United States Naval Academy is R. W. Henderson, of this year's graduating class.

At the sixth Spring athletic meeting of the Naval Auxiliary Athletic Association last week Henderson broke several records, and won prizes in nearly all events in which he had entered.

He holds the academy records for 100 yards dash, time, 10 seconds; 220 yards dash, time, 21 1-5 seconds; 440 yards dash, time, 53 seconds.

For running broad jump he holds a record of 20 feet 2 inches; running high jump, 5 feet 5 inches; for kicking football (punt), 152 feet 6 inches.

During the season of 1896 Henderson played full-back on the Navy's football eleven, and was captain of the baseball team.

This promising young athlete entered the navy as a cadet in 1893, from Ohio, when but sixteen years of age. Prior to this he was a student at the Ohio State University, where he took an active part in athletic sports.

Wefers, whose supremacy is threatened by these two young rivals, is a student at Georgetown University. He is twenty-one years old, six feet tall and weighs from 160 to 170 pounds. He is finely built.

On August 10, 1895, in his first race for the New York Athletic Club, he won the 220 yards in 23 1-5 seconds. On September 13 he ran the 100 yards in 10 seconds, and the 220 yards in 21 4-5 seconds. Then he defeated Bradley, the English champion, in 9 4-5 seconds, and Downs in the 220 in 21 3-5 seconds.

On May 30, 1896, he made the world's record for the 220 yards in 21 1-5 seconds. On November 7 he made the world's record for the 100 yards in 9 3-5 seconds.

His rivals are only at the beginning of their careers and may reasonably expect to progress as he has done. A lively time in college sports is awaited.

# NATURAL HOT WATER.

## The Denizens of Boise City, Idaho, Are Now Revelling in It.

Nature now supplies the inhabitants of Boise City, Idaho, with hot water, and thereby helps them materially to be clean and healthy.

The hot water comes to the surface of the plain at the base of the mountains two miles above the city and rises through a sandstone and porous eruptive formation.

Seven years ago capitalists sunk three six-inch tubes 455 feet, obtaining a steady flow under a strong subterranean pressure of about 1,800,000 gallons daily. The wells are connected with mains, by which the hot water is led to the city, and to which service pipes are connected leading the water into the building, where it is made to pass through the coils similar to steam heaters.

The natural pressure in the city is forty pounds per square inch, and the heat is regulated by waste cocks, increase of flow increasing heat. Rates are charged on the basis of the size of waste, and are but little higher than coal.

Two large schools, three banks, nearly all large buildings, an immense natatorium and many dwellings use it exclusively for heating. No pumping is necessary.

The water leaves the wells at 170 degrees and loses only five degrees travelling two miles, as the mains are substantially non-conductors of heat. Eighteen large school rooms are heated with a waste pipe of three-fourths of an inch diameter.

A promising well is now being driven one mile from the city, in the same formation, to supply the military post and add to the city supply, and shows an increase of temperature and flow, as depth is obtained. The waters are highly mineralized, but are unfit for table purposes, though excellent for skin diseases and bathing.

### THE WATER BEAR.

One of the common curiosities revealed by the microscope in water is a little animal that looks like a bear.

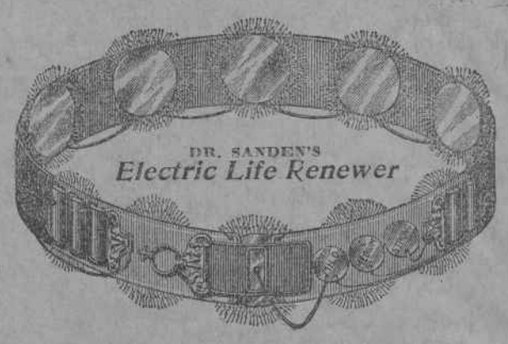
An extraordinary thing about this tiny creature is that he is found in the gutters of houses, where he is at one time dry as dust and scorched by the blazing sun, at another active and full of life under a refreshing shower of rain.

The water bear has the scientific name of tardigrada, because he takes life so easily. He is always fat and plump, and spends his waking periods in constantly grubbing with his four pairs of legs among whatever rubbish comes in his way. Having eyes, brain and a nervous system, he is much ahead of most of his tribe, and he is altogether one of the most interesting and amusing little animals known to science.


# What Makes Men Strong?

*ELECTRICITY*—The Fountain of Youth, the perpetual energy which sustains all animal life. It is the source from which springs the bubbling spirit of joy in young manhood. It is the vital element which keeps up the nerve force in old men to a good old age. When the body is charged with it the vital powers are strong. Confidence flashes from the eye and the step is firm. Without it—well, how is it with you? Are you weak, gloomy, wanting physical and brain force? If you are weak you should begin at once using this famous appliance for weak men.

Why Not Be Strong?




This Gives Strength.

This appliance is the result of twenty years of close study, and contains all the recent improvements known to science. It is, in fact, a perfect battery made in the form of a belt, to be worn on the body while the patient rests.

## ARE YOU NOT TIRED OF USELESS DRUGGING?

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## IT CURES YOU WHILE YOU SLEEP.

The electric current from this belt is felt as soon as it touches the body. This is warranted under a forfeit of $5,000. It can be regulated to any power required, while the belt is on the body, and is worn while you sleep without the slightest trouble.

## "Three Classes of Men"

is the title of a neat illustrated pocket volume I have just issued, exclusively for men. It gives in plain language the effects following youthful indiscretion and later excesses, as Seminal Weakness, Impotency, Drains and Losses, Varicocele and Atrophy or undevelopment, also Rheumatism, Lumbago, Lame Back, Kidney Troubles, etc., and points out an easy and sure cure at home WITHOUT DRUGS OR MEDICINES. It also gives a truthful resume of my thirty years' wonderful success with my Electric Belts in these cases, and every young, middle-aged or old man suffering the slightest weakness should read it and know exactly where he stands. It is sent free, sealed, by mail, upon request.

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Office Hours, 9—6; Sunday, 11—1.

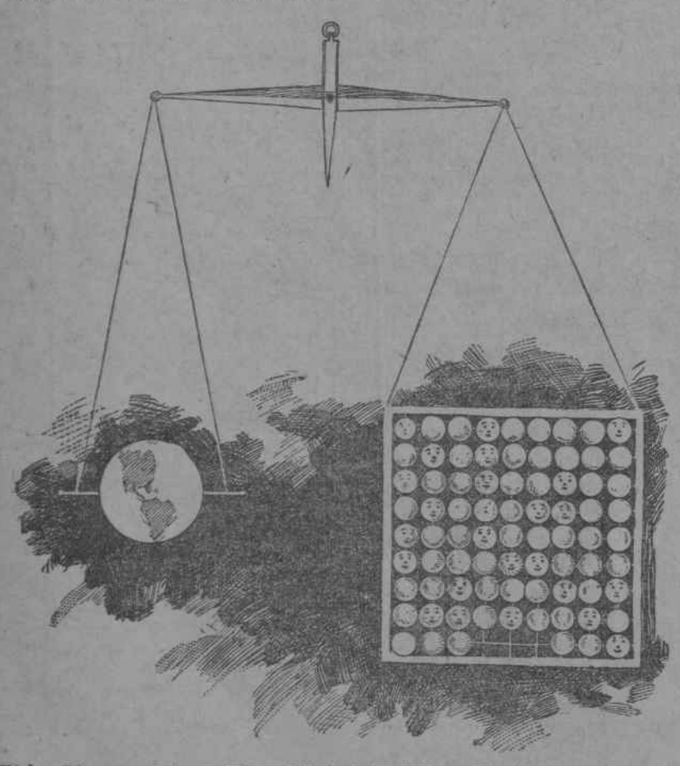

# THE WEIGHT OF THE EARTH.

## Various Ways in Which It Might Be Scattered Into Space.

The calculations of astronomers extending over many years have fixed the weight of the earth at 6,069,000,000,000,000,000,000, or six thousand and sixty-nine trillion, tons.

A well known stastistician, J. Holt Schooling, endeavors to make the meaning of the figures clearer by various devices, such as shoveling the earth off into space, weighing it with the moon and so forth.

In the cut shown here the earth is compared with the moon. It may thus be seen that our planet weighs as much as seventy-eight moons.



This Shows That The Weight of the Earth Is Equal to the Weight of Seventy-Eight Moons.

The seventy-eight moons are each a shade smaller than the true size, in order to allow for the weight of the steel frame. Each side of this measures more than 20,000 miles in length, and is made of square steel strips that 720 miles thick. The round rods that serve to fix the moons in this frame are each 115 miles in diameter.

It is interesting to compare the weight of the United Kingdom of Great Britain and Ireland, which considers itself a very important place, with that of the whole earth. If the United Kingdom be allowed to extend downward to the centre of the earth—a distance of 3,963 miles—its weight would be 3,733,000,000,000,000,000 tons. That means that the earth weighs 1,625 times as much as the United Kingdom, which is only another way of showing how geographically insignificant a place the latter is.

Extending the comparison to other divisions of the earth, it is found that the entire globe weighs fifty-two and a half times as much as Europe, eleven and a half times as much as Asia, seventeen and a half times as much as Africa, and thirteen and a third times as much as the two Americas. The citizens of the United States may well swell with pride when they reflect that they control the destinies of one thirteenth of the entire weight of the globe. If, as is not improbable, science should before long make it possible to penetrate to great depths into the earth, England would doubtless make unwarranted claims to underground territory and the United States would have to give the Monroe doctrine a new application.

The physical labor of counting the weight of the earth in tons is stupendous. Mr. Schooling imagines that the Colosseum at Rome is haunted by the ghosts of the 87,000 persons who once found room in it, and that they have been counting since A. D. 79 at the rate of a hundred tons a minute. They would not have made a perceptible impression on the total. But if the inhabitants of a hundred million stars, each with a population of 1,500 millions, were to undertake the task, they could get through with it in seven hours.

The statistician also considers the labor of carting the earth away. Supposing the occupants of greater planets found it desirable to do this. A million trains of ten thousand wagons each are loaded with the earth and discharge it into space at the rate of 15,000 tons per wagon. If they had started the work about 4,615 years ago they would be about through with it now.

Such a disposal of the earth as this would be no disturbance of the universe.

### THE STRANGEST DINNER.

Perhaps the most remarkable dinner on record was that given by an antiquary named Goebel, in the city of Brussels.

At the dinner were apples that ripened more than 1,800 years ago, bread made from wheat grown before the children of Israel passed through the Red Sea, and spread with butter that was made when Elizabeth was Queen of England. The repast was washed down with wine that was old when Columbus was playing with the boys of Genoa.

The apples were from an earthen jar taken from the ruins of Pompeii. The wheat was taken from a chamber in one of the pyramids, the butter from a stone shelf in an old well in Scotland, where for several centuries it had lain in an earthern crock in icy water, and the wine was recovered from an old vault in the city of Corinth.

There were six guests at the table, and each had a mouthful of the bread and a teaspoonful of the wine, but was permitted to help himself bountifully to the butter, there being several pounds of it. The apple jar held about two-thirds of a gallon. The fruit was sweet, and as finely flavored as if it had been preserved but a few months.

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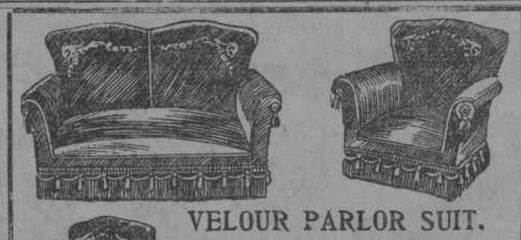

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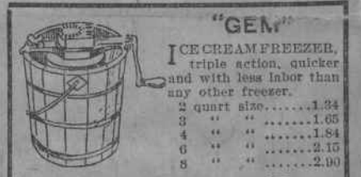

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| 3 " " | 1.65 |
| 4 " " | 1.84 |
| 6 " " | 2.15 |
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| 1 quart size | 08 |
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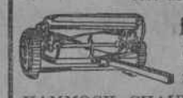
| 12 " " | 34 |
| 16 " " | 42 |



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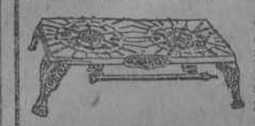

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