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Honey Bee's Restless Life, t Begins Work When Only Three Days Old and Life Ends After Forty-Five.

G. W. Reynolds, of Los Angeles, Cal., one of the oldest traveling men in the United States, is 71 years of age. Mr. Reynolds has a ranch, of which he enjoys Reynolds has a ranch, of which he enjoys telling even more than he does of the ex-periences through which he has passed during his half century upon the road. The ranch is near San Diego, Cal. The chief product is honey. This product is gained from two apiaries, which Mr. Rey-nolds visits every time his business permits him to go to Southern California states him to go to Southern California, states

the Denver Republican. "In my apiaries, which are cared for by my son," said he, "there are 140 stands of bees. The honey season lasts from April to July. This season my bees yielded 40,-000 pounds of honey, which sells in that country in bulk lots at four cents a pound. Two of the hives gave over 500 pounds each. For ten years I have been interest-ed in bees in a small way, and I take greater interest in them every year. A hive or stand of bees is worth \$250. In it equipment. 10. MENTAL, MORAL AND POLITICAL SCIENCE; Constitutional Law and History, Politi-are the queen, the drones and the workers, a total population of from 20,000 to 25'000

> "This very good sized colony," he con-tinued, "resides in a hive or wooden box. In the hive are a dozen frames 13x7 inches. In these the bees make and deposit the honey, a foundation of wax having been first placed in each frame by the beekeeper, so that the bees may have something to build upon. The honey is taken out of the frames every other week during the honey season. While doing so there is little need of protecting the hands. The bees seem to be most inclined to sting on the face. So, as a precaution the man who is removing the honey from the hives wears a straw hat, from which is hung a silk veil, like they have to do up in the Klondike country to ward off the summer

mosquitoes. "The queen is an absolute monarch" She is the undiswithin her dominions. She is the undis-puted boss of the job, An ordinary bee lives during the working season only 45 days. Young ones are being hatched out all the time. A bee goes to work at the tender age of three days, and hustles like a veteran 42 days. Then it is just naturally all tired out, I suppose, for it dies. The queen lives longer, and when a young queen comes into existence in the hive she drives the old queen out. Her loyal subjects follow her in her banishment, and that is what makes the swarm "In Southern California the bees make

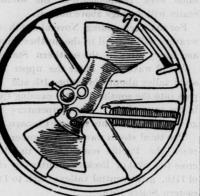
water-white honey when the black sage is in blossom. When the white sage is flowering the honey has an amber tinge. In winter the bees make no honey. Seventyfive carloads of the article are shipped out of San Diego county in good years."

Absentee Landlordism

Harper's Weekly is recognized as one of the most conservative of American journals. It is never knowingly radical. When, therefore, it endorses indirectly an economic doctrine of the most radical character, everyone will rejoice at the aid to progress though inadvertently given. In discussing the famine in India, in a late issue Harper's Weekly says:

An Improved Governor. Preserves Uniform Speed Under Widely Varying Loads and Changing Pressures.

Recent developments in connection with electric lighting in office buildings insist on such exacting service as to allow only the minutest variation of speed under widely varying loads and changing pressures. Not only must the speed be uniform, but it must remain so during the period of the change. To meet these new and rigid requirements a governor has been devised which in



THE NEW GOVERNOR. an extraordinary rapid adjustment and

without the slightest instability or surg-Technically stated the centrifugal element upon which the degree of the refinement of regulation of all governors depends is combined with an inertia element relatively so great that instant

and extreme changes of load are immediately provided for without waiting for the otherwise necessary manifesta-tion of centrifugal force. The entire governor consists of but a single moving piece, suspended upon one pivotal point, thereby reducing the friction to a minimum, and with no joints to interfere with the best action of the governor. The suspension pin or pivotal point is made of hardened crucible steel. The suspension pin eye is lined with phosphor bronze, and the little lubrication that is required is accomplished by forcing grease, by means of a compression grease cup, into a number of recesses arranged around the bore of the

A Commercial Laboratory.

bushings.

There has been established at the Philadelphia Commercial museums an important and valuable acquisition to the already large collection of valuable exhibits. This will be the addition of a laboratory of tests and technology as an adjunct to the scientific department. It will not be an exhibit in the ordinary sense of the term, but a department that will have for its object the examination and analysis of raw and manufactured products which may be sent to it from any of the countries already represented in its collections or from private individuals who wish to determine, through chemical and other tests, the commercial value of the materials presented. The services of this important department will be at the disposal of any person or firm desiring tests or analysis, providing they comply with the a foot long. The tip of one prong is held requirements of the department relative to the manner of sending samples and eight or ten inches apart. The elbows more particularly to the injunction are usually in contact with one's sides, stated, that no certificate given shall be used in any way for advertising purposes.-American Machinist.

MAGIC HAZEL TWIG.

A Scientist Makes a Study of the Divining Rcc. Interesting Investigations by Professor W. F. Ban-rett of the Royal College of Science For Ireland gue may be furred from local causes or -Psychic Phanomeda Connected With Dowsing. -

The notion that you could detect the existence and position of a stream of existence and position of a stream of water flowing underground at a depth of it is most discolored and yellowish 100 feet or more by the peculiar behav-ior of a hazel twig held in your fingers ton. Dry and brown indicate a has been looked upon in modern times as a ridiculous superstition. Scientific people, and particularly the geologists, gastric or intestinal. When the papilae on have discredited all stories of this sort the end of the tongue are raised and very so long and so decidedly that other folk that means scalled a strawberry tongue, and that means scallet fever. Sharp pointed

theory, has been led to change his mind that it can be visible to the uttermost point by an extended investigation. His name is W. F. Barrett, and the subtitle of the treatise in which is embodied the result is "A scientific and historical research as to the existence and practical value of a peculiar human faculty, unrecognized by science, locally known as dowsing."

In time Professor Barrett was con-

fronted with an amazing quantity of evidence. Scores, if not hundreds, of these tales are given in his treatise. Here are three samples: A sanitarium

was to be built on high ground in Somersetshire, England. The site was ap-love them. All efforts thus far to induce parently a dry one. Three professional "dowsers" were sent for separately, each unknown to the others and each working under the conviction that he alone was employed. All three pointed to the same spot. A well was sunk there and abundant water was found. William Ward Spink, a justice in British Columbia, walked about over his Every time the wand dipped an attend-This man declared that if he stood over a garden hose with a divining rod in

when the water was turned on and off. At Newport, Monmouthshire, a well was sunk to a depth of 51 feet without bottle. success. Local experts, noting the character of the soil, then pronounced the quest hopeless. A Cornishman who was present advocated a trial of the divining rod, with which his boy, aged 11, had had some successful experience. The lad was sent for. In his hands the twig gave distinct signs. But the people who would have to pay for the excavation were skeptical and hesitated.

ed toward the operator's body, but in a

so held that it could move freely, it

would perhaps revolve on an imaginary

How to Read the Tongae.

The perfect tongue is clean, moist, lies loosely in the mouth, is round at the edge from sympathy with the stomach, intestines or liver. The dry tongue occurs most frequently in fever and indicates a nervous prostration or depression. A white tongue is diagnostic simply of the feverish condi-

have discretified all southand to evince faith in have been ashamed to evince faith in them. Now, however, a professor of physics in the Royal College of Science For Ire-land approaching the subject with a

in the throat. OLD PEOPLE.—Old people who require medicine to regulate the bowels and kid-

neys will find the true remedy in Electric Bitters. This medicine does not stimulate and contains no whiskey nor other intoxicant. but acts as a tonic and alterative. It acts mildly on the stomach and bowels, add The first great step in this work wat to collect all available narratives in re-gard to the use of the divining rod. ing strength and giving tone to the or-gans, thereby aiding Nature in the perfor-mance of the functions. Electric Bitters is an excellent-appetizer and aids digestion. Old People find it just exactly what they need. Price fifty cents and \$1.00 per bottle at F. Potts Green's Drug Store.

"The only way to protect the birds is to teach the children to know and

women to give up the use of plumage for their personal adornment have failed, but if they had any real love for birds they could not wear their stuffed skins on their bonnets."

grounds for an hour, blindfolded and dial. This is the only certain way of being poisons. If so take Shaker Digestive Corcarrying a divining rod in his fingers. permanently cured, because it is the only way that gets rid of the poisons. You ant drove a peg into the earth. In many know that fermented food is poisonous. cases the justice would pass over a spot where the rod had moved before, and it Shaker Digestive Cordial clears the stomwould invariably give the same sign again. He dug wells at only two of the places indicated, but got water in both. Headache, dizzinesss, nausea, stomach ache, weakness, flatulence, constipation, loss of J. C. WEAVER. his fingers he could tell by its conduct of the symptons, caused by indigestive poisons, cured by Shaker Digestive Cordial. At druggists, price 10 cents to \$1.00 per

> A milliom dollars loss in the grape crop in Northern California on account of the premature rains is pretty serious for the raisin and wine growers of that sec-tion. Heavy rains are not expected as early as October in California. Represent the best companies, and write policies in Mutual and Stock Companies at reasonable rates. Office in Furst's building, opp. the Court House. 22 5

-The best way to cure disease is to establish health. Pure, rich blood means The Cornishman offered to take the con- good health. Hood's Sarsaparilla is the tract himself and stipulated that he One True Blood Purifier. It tones up the CENTRAL HOTEL, would demand no nay if no water was whole system, gives appetite and strength would demand no pay if no water was whole system, gives appetite and strength found. The job proceeded on that basis. and causes weakness, nervousness to disap-At a depth of 48 feet the diggers struck pear. No other medicine has such a rec-

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late issue Harper's Weekly says: "The cause, planly stated, for the terrible condition of the Indian people is absentee landlordism, with its consequent drain of the resources of the country to maintain a foreign domination. As an instance, taking the financial year 1889-90, the net amount of the land revenues of India was \$97,500,000, while the amount expended through the Indian office in London, in England only, on account of India was \$117,250,000. These figures are official. From this it will be seen that not only was the whole land rent of India taken to be spent in England, but over \$2,000,000 more that had to be taken from other sources. This may make it understood

other sources. This may make it understood how it is that the India people are insuffi-ciently fed and clothed, and consequently short-lived."

Absentee landlordism is the curse of Ireland also. It is what ails the West and South in this country.

If absentee landlordism is condemned, it can only be done on the ground that the

rent of a land belongs to the people of the land, the people who create the rent by their presence. From the condemnation of

absentee landlordism to the condemnation of any and all landlordism is a logical and necessary step. Is Harper's Weekly pre-pared to make it? That such a journal should give an explanation of the Indian famine which by implication concedes the wrongfulness of

laud monopoly shows the wonderful spread of reform ideas and proves the vital importance of the land question.

Owns Fabulous Wealth.

Senora de Cousino is the Richest Woman in the World.

The richest woman in the world is said to be the Senora de Cousino, of Chili and Peru, who is a widow on the other side of 50. Her wealth sounds like that of the princesses of the fairy tales beloved of our childhood, as report states that the senora owns three palaces, a fleet of ships, silver mines in Chile, vineyards and a stock farm near Santiago, potteries which supply all South America with earthenware, coal mines of immense value, all the land, houses and public works at Lota and nearly all the copper mines in Chile and Peru, and she is supposed to supply three-fourths of Europe with copper. Her immense wealth is doubtless largely owing to her shrewdness, as, though she inherited the greater part of it, she has doubled the original amount f her inheritance. The Senora de Cousino is tall, dark and handse

so it is within the bounds of probability that she remains a widow from choice Her annual income is no less than \$8,000,-000

A Parson's Story.

An itinerant parson tells that way out "in the backwoods" he came, one day, to a settler's house, and entered to have a talk with its inmates. The old woman of the house became much interested in the preacher's discourse, and requested that he conduct family worship. She also insisted FINEST ORANGES, LEMONS, BA- upon hunting up her family Bible, to be

used upon the occasion. She left the room to look up the Bible, but seemed to have hard work finding it. The minutes passed, and she came not. The preacher had time to grow impatient before the old woman reappeared with a few tattered leaves in her hand. She handed them over with an apologetic air. "I'm awful sorry," parson, she explained, "but the fact is I didn't know

I was so near out of Bibles !''--Harper's Magazine.

-Subscribe for the WATCHMAN.

To Revolutionize Microsco

Professor Elmer Gates of Washington says he has worked out a process by which objects can be magnified to a size 300 times greater than by any of the microscopes now in use. His invention, he claims, will revolutionize microscopy and will advance science to a point hitherto undreamed of. His discovery, he says, will be of special value in bacteriology and the study of the cellular tissues. The professor declares that he has succeeded where all other scientists have failed-in discovering a way by which the magnified image projected on a lens can be magnified by a second as latter's behavior. if it were the original object. To do this has been the aim of scientific photographers and microscopists for many years. Professor Gates does not divulge the details of his invention.-Indianapolis Journal.

Electrical Safe Breaking.

In recent experiments an arc of 40 to 50 volts, with a current of 300 to 500 amperes, is said to have penetrated in three to ten minutes safe walls from 3 to 6 inches thick. A rough steel ingot, perhaps 6 by 7 by 10 inches, was penetrated with a diagonal, jagged hole from 11/2 to 31/2 inches in diameter, the thickness of metal pierced being about 8 or 9 inches. Who will now warrant a burglar proof safe?

Scraps of Science

Men on an average weigh 20 pounds more than women. Weak and inflamed eyes are relieved

by bathing them in salt water. Severe ivy poisoning is quickly relieved by bathing with sodium hyposulphide solution.

Wine of colchicum root relieves obstinate sciatica in five to ten minim doses three times daily.

Boiled potatoes are much slower to digest than roasted or baked, the former requiring 3½ hours and the latter from 2 to 21/2.

In a case of twins their photographs and measurements were closely alike, but the minutiæ of their finger prints were quite different.

The lake of Uramia, in Persia, contains more salt than the Dead sea, which holds 26 per cent, or eight times as much as the ocean.

Cases are reported of eyes that became seriously inflamed by looking at an electrical drill working-one of them at a distance of 10 to 12 yards.

ord of wonderful cures of Hood's Sarsapaa gushing vein and were obliged to flee rilla. for their lives.

Hood's Pills are the best after-dinner The typical divining rod is shaped pill ; assist digestion, prevent constipation. somewhat like a wishbone and is about in each hand, and the hands are kept

Why She Didn't Come. Horatio—"Why didn' yer come ter de vinder when I whistled yestiddy ?" Gladys—"Cuz me mudder's cross-eyed and the forearms extend straight for-

ward horizontally. The twig itself an' I couldn't tell whedder she wuz watchstands almost vertically in front of the in' me er no.' dowser's chest. In the majority of cases

reported the upper part of the rod sway-Medical. few instances it moved in the other di-

rection-namely, downward toward the WHAT IS CATARRH? earth. The violence of the movement seemed to vary greatly. If the twig was

DANGEROUS DISEASE AFFECTING THOUSANDS OF PEOPLE.

axis extending from one hand to the Catarrh is an inflammation of the mucous me other. It is related that on some occabranes and may affect the head, throat, stomach sions, when the twig could not revolve, bowels or bladder. But catarrh in the head is most common, often coming on so gradually that it would be badly twisted and bent and would even be broken. Much variety is It has a firm hold before the nature of the trouble is suspected. Catarrh is caused by a cold or suc discernible in the accounts, both as to cession of colds, combined with impure blood the way of grasping the rod and the When chronic it is liable to develop into consump tion. It is therefore Although Professor Barrett doesn't

VERY DANGEROUS.

attempt fully to explain these phenome- The one true remedy for catarrh is Hood's Sarsa na, he has clear convictions on one point. He is confident that it is the op-erator, not the rod, that discovers the water. The movement is not due in i. It reaches the delicate passages of the mugenuine cases, he believes, to any at- cous membrane, soothes and rebuilds the tissues, traction or repulsion exerted upon the giving them a tendency to health and ultimately curing the affection. . twig (or the substitute therefor) by the

hidden stream, but to muscular action CATARBH AND HEADACHE. "I had catarrh and sick headache and my face exerted unconsciously in response to was one mass of pimples. I began to take Hood's some inward inspiration. Some psychol-Sursaparilla and I have been greatly benefited ogists have been accustomed of late by it. I have now no more headache or catarrh, years to assign many human sensibiliand the pimples are nearly all gone from my face." ties and activities to a part of the spir-ALEXANDER SIMPSON, 1436 South 8th St, Philadelitual nature that lies below the level of phia, Pa.

consciousness and which they call the "subconscious self." "Subliminal" is SARSAPARILLA another common name for it. Professor Is the best-in fact the One True Blood Purifier

Barrett is inclined to think it possible Sold by all druggists. \$1; six for \$5. Get only that the faculty which some people Hood's seem to possess of finding water and metals in the manner described resides

and liver medicine. Gentle reliable, sure. down in the "subliminal," but further

to establish that theory.-New York

Twinkling of the Stars.

Tribune.

A discovery of much interest to as tronomers has been made by Dr. L. L. J. See, who is in charge of Lowell observatory at Flagstaff, A. T. The cause of the twinkling of the stars has always been a mystery, none of the theories advanced having stood the test of thorough investigation. Dr. See has found the cause to be the presence in the at-mosphere of innumerable little air currents or waves, which dart through the air and cause a break in the light from the star. The result is that to a beholder on the earth the star has the familiar appearance of twinkling. These little air currents can be distinguished through the 24 inch telescope very

plainly on nights when this twinkling is observed most by removing the eyepiece of the instrument.

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