

HIS PRICE



"Yes, my dear fellow every man has his price—
"Oh, indeed! And what do you think is mine?"
"Oh, you just give yours—away."

NEW WONDERS OF SCIENCE INGENUITY OF HUMAN BRAIN

Every day seems to provide some fresh instance of the perpetual ingenuity of the human brain and hand. Here are some facts which show it.

But against these must be set the dominant fact that the men who can do these things so often fail in the greater task of ordering their own lives and the social life of the community. The same constant ingenuity is not applied to both tasks.

Sorting Postal Orders by Machines.
"A machine for the sorting of paid postal orders is now being tried in the money order department of the British general post office, Manor Gardens, Holloway, its object being to assist or replace the operations which have hitherto been carried out by hand," says the "Times" engineering supplement.

"The machine is the invention of Mr. F. R. Frost, a member of the staff of the department, and of Mr. Justus Rubardt, and it is stated that, according to the patent office records, it forms the first attempt to solve the problem of sorting small pieces of paper mechanically.

"The machine is designed to sort the postal orders numerically into hundreds of thousands, tens of thousands, and hundreds, and for this purpose the orders are provided before they are issued to the public with four perforations, two along the upper edge and two along the lower one, each perforation being placed in a certain position according to the figure it represents. In the sorting operation the orders, already sorted according to their money value, are impressed against the periphery of a rotating drum provided with metallic prickers or spikes, which pick up the orders according to the position of the perforations and place them in a chain of boxes working in synchronism with the drum.

"At present the experiment is being made with a million orders of 20 shillings' value. It is expected that one

A WOMAN'S HELPLESSNESS

CURED THROUGH THE RICH, RED
BLOOD DR. WILLIAMS' PINK
PILLS ACTUALLY MAKE.

Thousands of women suffer from headaches, backaches, dizziness, languor and nervousness. Few realize that their misery all comes from the bad state of their blood. They take one thing for the head, another for their stomach, and a third for their nerves. And yet all the while it is simply their blood that is the cause of all the trouble. Dr. Williams' Pink Pills will cure because they actually make new, rich, red blood, which reaches every organ and every nerve in the body, carrying with it a new health and new strength. Mrs. Wm. Acorn, Charlottetown, P. E. I., says: "Before I began the use of Dr. Williams' Pink Pills I was one of the most miserable women living. For more than three years I lived a life of constant dread. I was taking weak spells so that I could not be left alone. If I walked from one room to another my heart would palpitate so violently that I feared I would die. I was continually sending for the doctor, who told me I had no blood and that my nerves were shattered. Notwithstanding his treatment I did not get any better. I could not keep anything on my stomach, and the least thing would make me sick. Then my trouble was complicated with rheumatism, which became so bad that I had to be lifted like a child, and the pain was almost unbearable. I was in this deplorable condition when my husband read of Dr. Williams' Pink Pills, and got me a supply. When I had taken half a dozen boxes I felt much better, and could go about the house. I kept on taking the pills until I had used twelve boxes, and I can truly say they made me a well woman. Indeed, I do not think I would be living now but for Dr. Williams' Pink Pills. I wish I could persuade every woman who is sick to follow my example, for I have proved they will cure the most desperate cases, and I consider myself a living witness of this fact."

You can get these pills through any medicine dealer or by mail postpaid, at 50 cents a box, or six boxes for \$2.50, from Dr. Williams' Medicine Company, Brockville, Ont.

sel, with a member of the Russian Duma and the Russian Secretary to the Norwegian Ambassador, in a motor-boat placed at their disposal by the Russian Government. The intention of Dr. Nansen, it is stated, is to travel in China, where the Yenisei River rises, and back to Europe.

Four Miles Through the Alps.
"The Mont Cenis tunnel between France and Switzerland, on which boring operations began nearly three years ago, has just been completed," says the Mail.

"The tunnel, which is three and three-quarter miles long, bored through the Vallorbe, thus obviating an eleven miles detour by Pontarlier, and should have been pierced two months ago. The work, however, was delayed by the tapping of a number of unsuspected springs, which had to be pumped dry. The line, by shortening the journey from Paris to Lausanne, will bring the winter resorts of the Jura mountains many hours nearer London."

Wireless Developments.
"Important developments in the direction of extension of the Marconi Company's operations are impending," says the Chronicle. "Two new long-distance stations are to be erected, one at Sheffield, in Great Britain, and the

40 Years' Search For Sun-Spots
Mr. Maunder and His Work at Greenwich—Mystery Which Is Still Unsolved.

Nov. 8 was the 40th anniversary of the entrance of Mr. E. Walter Maunder, the well-known astronomer, into Greenwich Observatory. It was also Mr. Maunder's first day in his new position as secretary of the Victoria Scientific and Philosophical Institute, for he has now retired from Greenwich.

Mr. Maunder entered the observatory to start the solar department, and with that department, of which he was director, he remained identified to the end. His work consisted of photographing the sun, day by day. The object was to get a daily record of the sun, and more especially of the "sun-spots." There is very little about these mysterious "spots" that Mr. Maunder does not know.

Dullest Year for a Century.
With a Daily News representative yesterday he talked on the subject which he has made his own. "The present year," he said, "has been the dullest year for sun-spots that we have had for more than a century. The last year which was so completely free from them was 1810. Altogether this year we have had ten small groups of spots. What produces them and what is their effect still remain unsolved, although the solar department at Greenwich, which was set up in order to assist in the study of the sun, has accumulated a great deal of valuable material."

"One school holds that more sun-spots mean heat, and another that they mean less heat," Prof. Abbott, of the Smithsonian Institution, at Washington, considers that he has definite evidence of a slightly greater radiation of heat during years when the sun is spotted. "I discovered a curious set of broad, dark lines in the green region of the spectrum of a sun-spot. Fifteen years later these lines were photographed by Prof. Hale, in America, and still more recently Prof. Fowler, of South Kensington, discovered their origin. They were due, he found, to a compound

of hydrogen and magnesium—showing that the temperature at which the compounds were formed was lower than that of the general disc of the sun. To that extent, at least, it is proved that the temperature of the sun is lowered in the region of a sun-spot."

**SIR BEERBOHM TREE
ON WORLD HUMBUG**
[Edwin Markham in the New York American.]

[From Edwin Markham.]
Sir Herbert Beerbohm Tree, known to two continents as an actor of power and passion, as well as a superb stage manager, now adds another leaf to his laurels as an essayist and critic of independence and imagination.
"Thoughts and After-Thoughts" (sent me by the Funk & Wagnalls Company) is a volume of essays, a thinker and a humorist. He beats up many a covey of bright ideas for us to admire in flight or to bring down with the arrows of our protest. Here are a few paragraphs taken at random from his fine chapter on "Our Betters":
"The world is undergoing a sea-change; the old landmarks are being swept away; the barbed wire fences which separated the classes are being relegated to the limbo of the human scrap heap. As in our time science has progressed with giant strides—I mean the sciences appertaining to tangible things, the science of bodies—so I believe we are on the threshold of the spiritual science, the science of a higher sociology. It premonitory vibrations are felt all over the world. Wherever we put our ears to the ground we hear a tiny springing of a new social creed; it is the call of a new religion; it is the intellectual enfranchisement of mankind."

Radium as the Burning Bush.
"It is a haunting picture, that of the tiny treasure in the Institute's strong-room—the whole 'stock' weighs less than one-seventh of an ounce—maintaining its ceaseless output of energy for the relief of human suffering," says the Pall Mall.

"Sir Frederick Treves describes the minute treasure which is conserved at the Institute as the only reproduction of the burning bush of Moses—constantly giving off heat and never consumed. It seems to realize the potency of other miracles—the widow's cruse which did not fail, and the dreams of many poets and idealists of a beneficent virtue that should flow perennially from an inexhaustible fountain. Radium is one of those things that 'tease us out of thought' as doth eternity. It seems one of the gates to that hinterland of science and philosophy through which we are only able as yet to cast a fugitive and dazzled vision."

Dr. Nansen's Remarkable Voyage.
"The arrival at Immingham of the Siberian steamer Correct concludes a remarkable voyage which has not only opened up a new Siberian trade route, but resulted in much scientific research," says the Telegraph. "The outward voyage occupied four years, and the expedition, organized by Mr. Jonas Lied, cost £250,000. The round trip was from Tromsø, Norway, to Yenisei River, Siberia, and back, and the Correct brought to Immingham 1,500 tons of Siberian produce, comprising timber, hemp, flax, goat skins, horse hides, bear skins, pig's bristles, and dead calves, together with two live camels, two young bears, a wolf, and two deer."

"On board on the outward journey Dr. Nansen, as expert, together with other distinguished passengers. Dr. Nansen left the vessel on September 3 to go further up the River Yenisei."

other at Buenos Ayres, South America. In connection with these, and with the new long-distance wireless service they are to provide, eighteen enormous steel masts are to be erected, each of which will be six hundred feet in height."

Diesel's Wonderful Engine.

The presumed tragic death of Dr. Diesel at sea calls attention once more to the marvel of his oil engine. "The form of motor with which Dr. Diesel's name is associated is one in which the fuel is its original and natural form, without having previously undergone any transforming process, is directly converted into work in the cylinder of the engine," says the Times. "Air alone is drawn into the cylinder on the charging stroke, and on the return stroke is compressed to a high pressure, over four hundred pounds per square inch, whereby its temperature is raised to incandescence."

"Then by means of air still more highly compressed a charge of fuel oil is immediately ignited. Properly speaking, there is no explosion; the oil merely burns, and in so doing gives the power impulse, without producing pressure in excess of those of the air and air injection. Dr. Diesel claimed that his engine secures better heat utilization than any other known kind of heat engine."

Story of An Expedition.
Mr. Maunder's expedition include six expeditions for the observation of solar eclipses, and one of them—that to Labrador in 1905—if it did not yield good scientific results, furnished a queer story which has been the source of much amusement to the press.

"We went," said Mr. Maunder, "to the very furthest outpost of the Hudson Bay Company in those regions. There was a solitary English trapper on one side of the Northwest River and a French trapper on the other. Each had two or three halfbreeds working under him, and just before we came these halfbreeds had come across footmarks in the neighboring forest which they thought to be those of human beings, but had failed to trace the tracks."

"The father brought his family down to the Northwest River, and then the two white men, with the captain of a small schooner, went away up country to discover the mystery of the footprints. They did not succeed, however, and it was thought that what the girl had seen was a bear."

Mrs. Maunder's Work.
Mrs. Maunder is also an astronomer of some eminence. It was as co-workers in the solar department that Mr. and Mrs. Maunder met and were married. Mr. Maunder accompanied his husband on five of his expeditions, and her photographs of the eclipse of 1888 and 1901 were very valuable. One piece of astronomical work to her credit is her demonstration of the apparent influence exercised upon sun spots by the earth. Her statements were somewhat remarkable, but have gradually won acceptance."

its train which have to be counteracted by a yet higher education. So also have the efforts of science in her battles with nature to be eked out by a yet deeper science. Take the most recent scientific development—that of eugenics. In former days nature killed off the weaklings in the most drastic and practical manner by consumption and by various diseases; man had to stand the test put upon him by the assaults of an army of unseen and unknown microbes; the unfit were rooted out by the brutal laws of nature—only the strong survived.

Today when Nature says to man, "Thou shalt die," Science steps in and says, "No, thou mayest live." Then comes Nature's retort, "If thou causest the unfit to survive, then I will afflict their offspring with infirmity even to the third and fourth generation. To which Science replies, 'Very well, Nature, we will strike a compromise—I will see that the weakly shall not be born into this world.' And there we stand at present—hesitant as to how to carry out our side of the contract. Science is once more Nature's slave."

Gold Thicker Than Blood.
"A general disarmament is the ideal toward which humanity is striving all over the world. But pride and prejudice and greed are still mighty forces, and it is only by the spread of the higher education that the spiritual development of mankind can be insured by the auspices of Christ's doctrine, which, alas! go to the wall in all Christian countries at the bidding of expediency. Blood is thicker than water, but gold is thicker than blood. As Shakespeare is the most modern of writers, so is Christ the most modern of reformers. Indeed, he is a little in advance of our time; his principles are still taboo, and if uttered by a modern statesman would be denounced as 'bad form.' Is not every reformer regarded as 'no gentleman' until his propaganda has become the law of the land?"

Gratitude to the Jews.
"We often hear it said that a war is a necessary evil; that war will not cease while human nature lasts. But is this so? What about the Jews? Have they not been the dominant race in the world today? Have they needed a war to keep them strong? Have they needed a modern statesman to stimulate of bloodshed? Have their acquisitive vices needed it? Has the flower of the Jewish race been destroyed on the battlefield? The Jews have devoted themselves for many centuries to commerce and the arts of peace, and certainly we artists have reason to be grateful to the Jews; for I dread to think what would become of the art of this country were it not for the encouragement and support it receives at the hands of the Jewish community."

Lord Ballyrot in Slangland



A quaint sort of chap insisted that I accompany him to his boarding-house for dinner, don't you know. The first course served was soup, which, to confess the truth, was a bit tasteless. This elicited the following comments from mine host:

"Say, this soup tastes so flat you've got to gargle it in B flat. Lemme season your pannikin, Ballyrot, with some cayenne tonic and a dash of Hungarian sneeze powder. There! You've got a dish of ripples that will 'pear your tongue on both sides and page the plaster off the roof of your beak. That's the only way you can doctor the soup they throw at you in this joint, cause they only drown one about in every gallon of it!"

MY WORD!

TOO LATE.

A certain legal luminary, though a good administrator of the law in other respects, was noted for the way he got mixed in his charges to the jury. On one

"We no longer think and feel for ourselves; we cease to be inhabitants, we are swallowed up in and become part of a system; we adopt the machine-made social laws of our betters. It is to our advantage. We are on the make. 'Take what you can—give what you must,' is the motto of the utilitarian."

"The worldly wisdom is forced upon us in many ways; by the pinch of poverty, by the greater ease with which it enables us to climb the greasy pole of fame, by the avoidance of friction in our relations with our fellow-men, and by that sympathetic and unconscious sympathy of the good form. We are creatures of habit inwardly and outwardly."

Dangers of Education.

"Education brings certain dangers in

Beauty of the Skin

Cleanliness the Essential—Cheap
Soaps and Powders to
be Avoided

Cheap, inferior soaps and pore-clogging powders are the greatest enemies to the health and beauty of the skin. Skin powders are in reality only white dirt. They absorb the perspiration and form a sort of paste, which seals up the pores and positively stops the natural eliminating action of the skin.

To have a beautiful skin, you should use only the best of soap, and when roughness or irritation of the skin arises the application of Dr. Chase's Ointment will soon restore the natural smoothness and beauty of the skin.

The almost magical effect this ointment has in the cure of eczema, salt rheum, blackheads, pimples and all forms of itching skin eruptions is the wonder of all who use it. It acts as a food for the skin, and is consequently a beautifier of most remarkable effectiveness.

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Dr. Chase's Ointment

occasion a case was tried before him, the points of which may be briefly stated thus:

Smith brought a suit against Jones upon a promissory note given for a horse. Jones's defence was failure of consideration, he averring that at the time of the purchase the horse had the glanders, of which he died, and that Smith knew it. Smith replied that the horse did not have the glanders, but the distemper, and that Jones knew it when he bought it.

The judge thus charged the jury: "Gentlemen of the jury—Pay attention to the charge of the court. You have already made one mistrial of this case because you did not pay attention, and I do not want you to do it again. I intend to make it so clear to you this time that you cannot possibly make any mistake. This suit is upon a note given for a promissory horse. I hope you understand that. Now, if you find that at the time of the sale Smith had the glanders and Jones knew it, Jones cannot recover. That is clear, gentlemen. I will state it again. If you find that at the time of the sale Jones had the distemper and Smith knew it, then Smith cannot possibly recover."

But, gentlemen, I will state it a third time, so that you cannot possibly make a mistake. If at the time of the sale, Smith had the glanders and Jones the distemper, and the horse knew it, then Jones cannot recover. The jury disagreed.

While records of all sorts are being broken daily, this one should have consideration: A man recently operated on in a Brooklyn hospital had carried a needle in his right leg since he was 5 years old. At the age of 35 his leg had begun to swell and on going to the hospital the badly-corroded piece of needle was extracted, having passed through his body from his right knee to left in its penetration of half a century.

There is a surplus of labor even in a new industry like automobile truck driving. A strike of the drivers of motor mail trucks in New York city recently resulted in applications from 1,600 men to fill the places of 31 strikers.

MINARD'S LINIMENT CURES DANDRUFF.

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