THE GREATEST MACHINE

SEARCHLIGHT OF SCIENCE DEFIED BY THE BRAIN.

Many Theories are Advanced to Explain Its Secret Workings.

In this age it would seem to be a difficult task to pick out which one of the mechanical wonders would be the most marvelous. From the gigantic steam shovel digging the Panama Canal, down to the compact adding machine, of inestimable use to accountants, we find many ingenious devices, any one of which might claim the honor of being the most wonderful machine.

But there is one machine which surpasses them all. Indeed, it created them all, and in the future will undoubtedly create many far more wonderful machines. Its invention is not recorded in the patent offices, for it existed long before these.

No one can do more than guess at the beginning of this wonderful machine. Its origin is shrouded in the dim past, long before the prehistoric era. The early arts of all the earliest people bear its marks. It is recorded in the Pyramids, and even the Sphinx speaks plainly of it. The beautiful sculptures and the deep philosophy of the Greeks show its high development, and the marvels of our own day tell us that the most wonderful machine of all is that which created them—the human brain.

Spirit in Control.

True, it is far more than a mere machine, for there is a spirit which controls it and directs its workings, but it is only of the mechanical part that we would speak at present.

To learn more of the inner workings of that organ, which thinks and carries out ideas, has long attracted the earnest study of scientists. It is, however, so intricate, so difficult to approach, and so closely tangled with spirit, that it has eluded the searchlights of science, and still remains a mystery unsolved.

Many ingenious and wonderful guesses have been made, and some things found out about the brain. It has been found that the brain is divided into many departments, all under the control of the spirit. From their respective centres go forth the nerves to the eyes, ears, fingers, etc., and these nerves keep the brain informed of what is going on in the world. Just consider for a moment that everything that any one knows, or ever will know, on this earth has come, and will come, to them through the medium of their senses.

For example, let us consider the eye. We have learned in our studies of physiology that the eye is like a camera; that the lens in front focuses the image on the retina, which is a dense network of tiny nerves, gathered together so as to form the optic nerve, and this nerve goes back to the optical section of the brain. But how does the image, focused on the retina, go back to the brain?

More Wonderful Still,

how does the brain interpret this nerve stimulation into an impression of the image, perfect in every detail, and glowing with every color? That is the great puzzle.

Attempts have been made to liken the optic nerve to an electric wire, and to consider an electric current as being the carrier of the sensations. For many reasons this view seems improbable.

Another theory, which is at least interesting, and may prove to be correct, is that the nerves are composed of chemicals of such a constitution that they may be easily changed. A familiar example of a similar change is gunpowder. This is an unstable chemical mixture, and the application of a little heat is sufficient to cause an explosion, resulting in a new condition of chemicals.

In the same way, our theory supposes the nerves to contain chemicals, which are far more unstable than gunpowder, so much so that, in the example given, the nerves of the eye, a ray of light is sufficient to change the chemical nature of the compound at the end of the nerve instantly. This compound is also so sensitive that no two things make the same change. The violence with which each particle of the chemicals of the nerve changes causes the next one to also "explode," or change, and so on, throughout the length of the nerve, so that the impression travels

From the Retina to the Brain.

To counterbalance this breaking down nature has provided a process of instantaneously rebuilding, which restores each part of the nerve to its original state. Sometimes the shocks of the breaking down come in such quick succession that the rebuilding process fails to counterbalance, and then there is a temporary paralysis of that nerve. An example of this is in being blinded by the light of the sun.

The rapidity of these changes will be understood if one will move the eyes quickly from one view to another. Immediately the one view vanishes and the image of another is imprinted on the brain. In the most minute fraction of a second conceivable the nerve has carried this message to the brain, by the chemicals faithfully performing their functions, and the nerve is immediately ready for the next impression.

Whether this theory is correct or not, one cannot help but be most deeply impressed with the workings of this most wonderful of all machines—the human brain.

Dr. Maria Montessori.

She is now on this side of the Atlantic lecturing on her famous method of school teaching.

CHILDHOOD AILMENTS.

Ailments such as constipation, colic, colds, vomiting, etc., seize children of all ages, and the mother should be on her guard against these troubles by keeping a box of Baby's Own Tablets in the house. If any of these troubles come on suddenly the Tablets will cure them, or if the little one is given an occasional dose of the Tablets he will escape these troubles. The Tablets are sold by medicine dealers or by mail at 25c a box from The Dr. Williams' Medicine Co., Brockville, Ont.

WINDS AND PLANT GROWTH.

Experiments of Prof. Bernbeck Show Interesting Facts.

A rather surprising degree of influence of the wind upon plant growth and crops has been shown by the experiments of Dr. Oscar Bernbeck, a German professor of agriculture. Severe gales tended to produce deformity, giving a twisted and knotty shape to twigs, and ordinary winds diminished the energy of growth of sprouts through the increase of transpirations and alteration of circulatory conditions, and had a drying effect that in some cases caused serious injury to both soil and plants.

Under a wind of thirty-three feet per second, the ground lost three or four times as much water as on protected land. On ground sufficiently moist, strong sprouts were but little affected, but on some soils the growth with no wind was three times as great as with a wind of thirty-three feet per second.

It was evident that the usual moderate wind of Germany—ten to twenty-five feet per second—may lessen the yield of exposed land more than half.

Protection is to be sought by various kinds of wind shields, such as walls and hedges, and especially by planting forests on neighboring hills.

Death Nearly Claimed New Brunswick Lady

Was Restored to Her Anxious Family When Hope Had Gone.

St. John, N.B., Dec. 15th.—At one time it was feared that Mrs. J. Grant, of 23 White St., would succumb to the deadly ravages of advanced kidney trouble. "My first attacks of backache and kidney trouble began years ago. For six years that dull gnawing pain has been present. When I exerted myself it was terribly intensified. If I caught cold the pain was unendurable. I used most everything, but nothing gave that certain grateful relief that came from Dr. Hamilton's Pills of Mandrake and Butternut. Instead of being bowed down with pain, to-day I am strong, enjoy splendid appetite, sleep soundly. Lost properties have been instilled into my blood—cheeks are rosy with color, and I thank the day that I heard of so grand a medicine as Dr. Hamilton's Pills."

Every woman should use these pills regularly because good health pays, and it's good, vigorous health that comes to all who use Dr. Hamilton's Mandrake and Butternut Pills.

The average man needs all the patience he has and then some.

No Wonder!—Mistress (to new servant)—"Why did you leave your last place?" Mary Anne—"Well, mum, when a bullock died we got beef till it was finished. When a sheep died we got mutton till it was finished, and when the cat died—I left."

An Agreeable Cure For Catarrh & Bronchitis

Prevents Return of These Troubles.

Every sufferer from coughs, colds bronchitis and all throat and chest ailments needs a soothing, healing medicine which goes direct to the breathing organs in the chest and lungs, attacks the trouble at the source, disperses the germs of disease, and cures the ailment thoroughly. And this medicine is "Catarrhozone."

"I have been a chronic cufferer from Catarrh in the nose and throat for over eight years. I think I have spent four hundred dollars trying to get relief. I have spent but six dollars on Catarrhozone, and have been completely cured, and, in fact, have been well for some time. Catarrhozone is the only medicine I have been able to find that would not only give temporary relief, but will always cure permanently. Yours sincerely (Signed), WILLIAM RAGAN, Brockville, Ont."

For absolute, permanent cure use Catarrhozone. Two months' outfit costs $1.00; smaller size, 50c., at all dealers, or the Catarrhozone Co., Buffalo, N. Y., and Kingston, Canada.

Her Discovery.

"Oh, George, I've got splendid news for you."

"That so?"

"Yes, something that will save you a lot of money."

"What is it?"

"I've discovered that your last winter's overcoat will do again this year."

Liquid Sulphur

is proving its value as a home remedy every day. Mothers who have children going to school in the congested districts of Toronto gargle their throats every morning with LIQUID SULPHUR. Prevention of disease is better than a cure. Price 50 Cents a bottle. All druggists or SULPHUR PRODUCTS LIMITED, 158 Bay Street, Toronto.

Night was approaching and it was raining hard. The traveller dismounted from his horse and rapped at the door of the one farmhouse he had struck in a five miles stretch of travelling. No one came to the door. As he stood on the doorstep the water from the eaves trickled down his collar. He rapped again. Still no answer. He could feel the stream of water coursing down his back. Another spell of pounds, and finally the head of a lad of twelve was stuck out of the second-story window. "Watcher want?" it asked. "I want to know if I can stay here over-night," the traveller answered testily. The red-headed lad watched the man for a minute or two before answering: "Ye kin fer all of me," he finally answered, and then closed the window.

A WARM WINTER COMING.

June weather will prevail in California, the land of eternal flowers, the ideal Wintering place, reached comfortably and conveniently by the Chicago Union Pacific & North Western Line, via the fastest and most direct routes, amidst the luxurious surroundings of the compartment, club and observation parlor, or the more moderate priced and homelike Tourist car. Three splendid trains daily—The Overland Limited, fastest train to San Francisco—The Los Angeles Limited, three days to the Magic City of the Land of Sunshine, via Salt Lake City—and the San Francisco Limited Double track, electric block signal protection, rock ballasting, finest dining car service. Rates, illustrated matter and full particulars on application. E. H. Bennett, General Agent, 46 Yonge Street, Toronto, Ont.

Mr. Lloyd George, British Chancellor of the Exchequer, has been telling some stories bearing on his own unpopularity with his political opponents. One of them is about a man who was presented with a testimonial for saving someone from drowning. The hero modestly deprecated the praises showered upon him. "Really I have done very little to deserve this reward," he said. "I saw the man struggling in the water, and as no one else was by I knew he would be drowned if I didn't save him. So I jumped in, swam out to him, turned him over to make sure that he wasn't Lloyd George, and then pulled him out!"

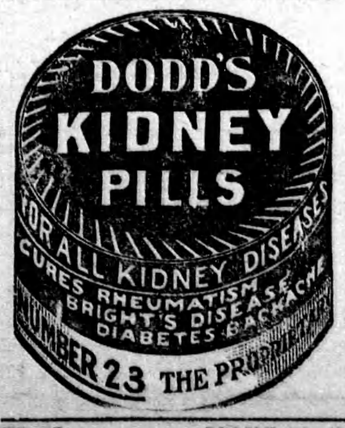
Minard's Liniment Cures Garget in Cows.

Just One Point.

"Nora, me darlin', will yez marry me whin I come back from Ireland?"

"It's meself that's not prepared to give me answer now, but I'll have it ready when you're comin' back, Mike."

"Well, that's not quite so bad, but jest tell me th' one thing now, darlin'—will it be yis or no?"



PIMPLES NEARLY COVERED FACE

Especially on Forehead and Chin. Ashamed to Go Out. Cuticura Soap and Ointment Cured in Month and a Half.

McMillian St., Oil City, Ont.—"My face was nearly covered with pimples, especially on my forehead and chin. The trouble began with pimples and blackheads and there were times I felt ashamed to go out. They were little red lumps and then festered and I squeezed the matter out.

"I rubbed on different remedies, ——— Salve and ——— Cream but they did no good. Then I saw the advertisement of Cuticura Soap and Ointment and sent for a sample. I got it and began using them and in a week's time I noticed a change. I used the sample of Cuticura Soap and Ointment and one box of Cuticura Ointment from the drug store with the Cuticura Soap. In a month and a half the pimples and blackheads were gone and I am completely cured." (Signed) Miss Lydia McIlwain, May 23, '13.

A generation of mothers has found no soap so well suited for cleansing and purifying the skin and hair of infants and children as Cuticura Soap. Its absolute purity and refreshing fragrance alone are enough to recommend it above ordinary skin soaps, but there are added to these qualities delicate yet effective emollient properties, derived from Cuticura Ointment, which render it most valuable in overcoming a tendency to distressing eruptions and promoting a normal condition of skin and hair health. A single cake of Cuticura Soap and box of Cuticura Ointment are often sufficient when all else has failed. Sold by druggists and dealers everywhere. Liberal sample of each mailed free, with 32-p. Skin Book. Address post-card Potter Drug & Chem. Corp., Dept. D, Boston, U. S. A.

WASPS ARE THRIFTY.

Division of Labor Clearly Seen In Their Operations.

It is declared by those who have made a careful study of the habits of wasps that these insects are fully as industrious as ants or bees.

Division of labor is clearly seen in the wasps' nest. Some of the workers, states a writer in The New York Press, seem to be specially employed as foragers and soldiers; others appear to be told off as nurses and guardians, while yet others are engaged as paperhangers and masons.

Wasps are at all times particularly fond of honey. Toward the end of the summer, as all beekeepers know, they will force their way into beehives and carry off by force as much as they can gorge of their winged neighbors' honey.

The drones of the wasp world, instead of being idle and luxurious, are sober, industrious and well-behaved members of the community. They clean the streets of their town with exemplary diligence, acting as public scavengers or sanitary officers. And they have their reward, for, unlike the bee drones, they live their allotted life in peace and quietness until winter involves both them and their maiden sisters in one common cataclysm of death and destruction.

Is Britain Tired of Canada?

We don't think so, but we are sure no man has any chance of curing corns unless he uses Putnam's Corn Extractor. It takes out root, stem, and branch, cures painlessly in 24 hours. Use only Putnam's, 25c. at all dealers.

Paw Knows Everything.

Willie—Paw, are all men born free and equal?

Paw—Yes, my son. But some of them get married.

Minard's Liniment Cures Distemper.

Laid or Lied.

Son—Dad, when you put a hen on eggs to hatch them, do you say she is "sitting" or "setting"? A hen can't really sit, can she?

Dad—Don't bother about little things like that. What concerns me most is to know when she cackles whether she has laid or lied!

Minard's Liniment Cures Colds, &c.

Did You Know

That your father's uncle's brother's wife is your great-aunt?

That your aunt's mother's father's wife is your great-grandmother?

That your mother's nephew's daughter's son is your third cousin?

That your brother's son's sister's mother is your sister-in-law?

That your sister-in-law's father-in-law's grandson is your nephew?

That your sister's father's stepson's mother is your stepmother?

That your uncle's father's only granddaughter is yourself?

That your brother-in-law's wife's grandmother's husband is your grandfather?

That your father's father's daughter's daughter is your first cousin?

That the granddaughter of the only son of your mother's mother-in-law is your niece?

Jimson—"Oh, yes. I knew old Simson. He was a good sort. He did a very kind action once for me when the clouds were dark and threatening and the whole world looked so black." Pimson—"What did he do?" Jimson—"He lent me an umbrella."

EARLIER DAYS AT OXFORD.

Student Life of Fifteenth Century Had Many Odd Sides.

The undergraduate at Oxford University in 1413 in order to obtain his B.A. degree studied the high logic of Porphyry and Boethius, something of Aristotle and enough of arithmetic to enable him to find muster, says a writer in Harper's Weekly. Three years more were usually spent in studying geometry, astronomy and astrology.

He lived in college. His allowance of money was a shilling a week. His breakfast was a piece of bread and a pot of beer at dawn. His dinner was eaten at ten in the morning. He was given one suit of clothes yearly. Three times a year each student was required secretly to tell the masters of the misbehavior of his fellows, who then received "competent castigation."

The rules of the university prohibited visits to taverns or spectacles," the keeping of dogs, the playing of chess and other "noxious and illicit sports, shooting with arrows or other missiles, dancing, running, wrestling, or other incautious and inordinate amusements."

The only recreation permitted was the assembling round the fire on winter nights to indulge in "singing or the reading of poems and chronicles of the realm and of the wonders of the world."

The college was summoned to dinner by two poor scholars, who ran round the quadrangles shouting in bad Latin and French: "Tempus est vocadi a manger, O seigneurs!" The "seigneurs" were obliged to eat in absolute silence.

Best Thing Known For Croupy Children

A Mother Tells Her Experience.

"Bringing up young children has its responsibilities under the best of circumstances," writes Mrs. E. G. Fagan, of Holmes' Corners, "but croupy colds add considerable to the worry. My little family of four all went through the croupy era, but I always had Nerviline on hand and never felt nervous. I just followed the directions, and I can tell you that nothing I know of is surer to cure croupy colds than Nerviline.

"In our home we use Nerviline frequently. For cold in the chest, pleurisy, hoarseness, etc., it is simply wonderful. My husband uses it for rheumatism, and I often employ it for neuralgia and sick headache. Nerviline has so many uses that no mother can afford to be without it."

The large family size bottle, which sells at 50c., is the most economical; trial size, 25c. Your storekeeper or druggist sells Nerviline, which is prepared by The Catarrhozone Co., Buffalo, N.Y.

Willie Was Generous.

"Here is an apple, Willie. Divide it generously with your sister."

"How shall I divide it generously, mamma?"

"Why, always give the larger part to the other person, my child."

Willie reflected for a moment; then he handed the apple to his little sister, saying, "Here, Ethel, you divide it."

I was cured of Rheumatic Gout by MINARD'S LINIMENT.
Halifax. ANDREW KING.

I was cured of Acute Bronchitis by MINARD'S LINIMENT
LT.-COL. C. CREWE READ.
Sussex.

I was cured of Acute Rheumatism by MINARD'S LINIMENT.
Markham, Ont. C. S. BILLING.
Lakefield, Que., Oct. 9, 1907.

Always In It.

Mr. Fuss (furiously)—It's mighty strange you can't look after things a little better! Here I want to shave, and there isn't a drop of hot water here.

Mrs. Fuss (icily)—It is strange! Why, that is one of the things I've never been out of since I married you!

EDUCATION.

ELLIOTT'S BUSINESS COLLEGE, Toronto, Canada's Popular Commercial School. Magnificent Catalogue free.

FARMS FOR SALE

H. W. DAWSON, Ninety Colborne Street, Toronto.

IF YOU WANT TO BUY OR SELL A Fruit, Stock, Grain, or Dairy Farm, write H. W. Dawson, Brampton, or 90 Colborne St., Toronto.

H. W. DAWSON, Colborne St., Toronto

NEWSPAPER FOR SALE.

NEWSPAPER AND JOB OFFICE IN Gravenhurst. Proprietor being a druggist, is unable to give the printing office the attention necessary, and offers it for sale at a sacrifice. No opposition. One of the best newspaper openings in the Province for a practical man. Apply Wilson Publishing Company, Toronto.

WANTED.

LIVE FOXES AND LIVE MINK. QUOTE price when writing. Reid Bros., Bothwell, Ont.

EIGHT FOOT CEDAR POSTS FIVE inch tops. Quote delivered Bothwell. Reid Bros., Bothwell, Ont.

LIVE UNINJURED MINK, MARTEN and Fisher. W. D. Bates, Ridgetown, Ont.

MISCELLANEOUS.

CANCER, TUMORS, LUMPS, ETC., internal and external, cured without pain by our home treatment. Write us before too late. Dr. Bellman Medical Co., Limited, Collingwood, Ont.

GALL STONES, KIDNEY AND BLADder Stones, Kidney trouble, Gravel, Lumbago and kindred ailments positively cured with the new German remedy, "Sanol," price $1.50. Another new remedy for Diabetes-Mellitus, and sure cure, is "Sanol's Anti-Diabetes." Price $2.00 from druggists or direct. The Sanol Manufacturing Company of Canada, Limited, Winnipeg, Man.

DO YOUR STOCKINGS SHRINK from washing and hurt you? Do the children complain? The IDEAL STOCKING STRETCHERS make old stockings feel and wear like new, relieve tired feet, ease corns and save darning. Two sizes, adult and children's. 50c. a pair by mail. I. E. YORK & CO., Waterford, Ont.

No Extra Charge.

Lady of the House—Half the things you wash are torn to pieces.

Washerwoman—Yes, mum; but when a thing is torn in two or more pieces, mum, I only charge for them as one piece, mum.

Try Murine Eye Remedy

If you have Red, Weak, Watery Eyes or Granulated Eyelids. Doesn't Smart—Soothes Eye Pain. Druggists Sell Murine Eye Remedy, Liquid, 25c, 50c. Murine Eye Salve in Aseptic Tubes, 25c, 50c. Eye Books Free by Mail.

An Eye Tonic Good for All Eyes that Need Care

Murine Eye Remedy Co., Chicago

Sure.

Gabe—There goes a fellow who enjoys ill health.

Steve—Enjoys it? What is he, a hypochondriac?

Gabe—No, he's a physician.

Minard's Liniment Cures Diphtheria.

Do not spend half your time in the making of promises unless you want to give up the other half to the making of excuses.

It was his marriage day, and the best man was doing his best to make the groom brace up. "Where's your nerve, old man?" he asked. "Why, you're shaking like a leaf." "I know I am," chattered the groom. "But this is a nerve-wrecking time for me. I've got some excuse to be frightened, haven't I? I've never been married before." "Of course you haven't," soothed the prospective father-in-law. "If you had you'd be a great deal more scared than you are."

Whether
For Yourself
or as a
Gift to your Friend

PERRIN'S GLOVES

The well known Perrin trademark as shown in cuts should be on every glove you get, as this assures you perfection of

Style, Fit and Finish.

Best dealers the world over sell the genuine PERRIN'S GLOVES.

6-11-13