YOU CAN BUY THEM ALL IN ANY FIRST CLASS DRUG STORE.

A Scientific Analysis of the Chemical Compounds of Which a Human Body Is Made-Man When Reduced to Water, Powders and Gas.

You can go to a drug store and buy all the materials to make a man. If the reader does not care to incur the expense of purchasing the materials with which to make a man it may at least be interesting to study the chemical composition of the human body as exhibited at the National museum, This will personally appeal to the man who is five feet eight inches high and weighs 154 pounds, as the exhibit at the museum represents the elements and their quantities in the body of an average healthy man of that height and weight. These compounds are placed in a glass case, the collection consisting of thirty-two bottles, jars and boxes, labeled and set on shelves.

Man does not show to advantage when reduced to water, powders and gas, but he is worth attention not only from a scientific viewpoint, but as a moral lesson. The chemical compounds of which our bodies are made up are shown by analysis to consist mainly of thirteen elements. Five of these when uncombined with other elements are the gases oxygen, hydrogen, nitrogen chlorine and fluorine. The remaining eight are solid substances, three of which are nonmetals-carbon, phosphate and sulphur-while the other five are metals-iron, calcium, magnesium, potassium and sodium. Besides these thirteen elements are minute quantitles of a few others, as silicon, manganese and copper. This scientific analysis differs radically from the nurse lore theory that boys-and presumably men -are made of "snaps and snails and puppy dog tails" and can be relied on as an official table of your contents, provided you are a man of 154 pounds.

The inspector of the museum's exhibit on man first takes note of a jar of reddish powder. The label tells one that it is phosphorus, of which a person contains a pound and a half The specimen owes its lurid hue to long exposure. In its natural state it is soft, waxy and so inflammable that to prevent spontaneous combustion it is preserved under water. United with phosphate of lime, is an important constituent of bone. . Phosphorus also occurs in the brain and nerves. Next It is found in various v. notably in the bones

It represents onece of iron, an important constituent of the red coloring matter of blood

includes three pounds and thirteen above it the stars and stripes.

A large jar is tabeled "gelatinoids." and you read that a man weighing 154 pounds contains about nine pounds and fourteen ounces, the amount shown. Gelatinoid compounds resemble in chemical composition and properties the gelatin used in cooking, and that

is precisely what it looks like. The thirteen pounds of albuminoids contained in a man who touches the scales at 154 resemble so much yellow cornmeal, well ground. As to the speck of ugly brown stuff near by, you would never guess what it stood for if the label did not explain that it was hemoglobin, the red coloring matter of blood, very difficult to obtain," and small specimen of which is shown, together with one pound and two ounces of dried blood to represent the probable quantity of hemoglobin in the blood of an ordinary man. Hemoglobin serves as the carrier of oxygen in the blood from the lungs to all parts of the body.

If you are a 154 pound man you contain forty-six quarts of water universally distributed in your body.

No chemical analysis of a human body has ever been made, but from analysis of the different parts the amounts of the more important compounds may be approximately esti-

When one has read the labels, counted the jars and looked the outlay over the conclusion is reached that man has as many ingredients as a mince pie. One will always know after this that when he dies it is because nature has gone on a coal strike or that hemoglobin is asleep at the switch.

Right before one's eyes are the pinch of this and the sprinkle of the other that make a brain-or an egg yolkand in another bottle is the nasty little smear of brown stuff that gives the heart's blood its crimson-the brain and the heart that have ruled this world since Adam.

The visitor says to himself as he leaves the case: "Science may have here all the materials for making a man, but there is only one chemist who can put them together. His name is God."-Washington Star.

A BIT OF HISTORY.

The Removal of the Obelisk From Egypt by the Americans.

"Nothing ever told to illustrate the friendship of Russians for Americans will strike a more responsive chord in oxegen it forms phosphoric acid, which this country than the story of the acin turn combined with calcium, as tion of a Russian admiral at Alexandria, in Egypt, when Lieutenant Commander Gorringe, U. S. N., was about to ship the obelisk (now in Centra to the far is a chunk of sulphur the park, New York city) to the United States," said an old diplomatic official. "The English and French in Egypt next bottle contains didn't want the western world to have be 5 cents' worth of an obelisk, and court intrigue soon persuaded the khedive to rescind his gift. Gorringe had only a few men with him, but he met the vacillation of the khedive by erecting a stockade The visitor next learns that his body around the monolith and raising high

How Dolphins Play. The waters of the gulf of California teem with other wealth than pearls.

Here are fish of every description. The tuna is abundant, and the gamy Spanish mackerel is everywhere. The dolphin seems monarch of all the gulf. In the vicinity of the great island of Carmen they are encountered by the thousand. One school, comprising many hundreds, were encountered by the steamer on which the writer was a passenger a short distance from the beautiful bay of Escondido. They were a half mile distant when they observed us going in the opposite direction. Suddealy the leaders, in a clearly evinced spirit of rollicking sea dog fun, turned every one of them and gave chase to the steamer. It was perfectly evident they enjoyed the performance as much as the spectators. For a little while the noise was deafening, as if a thousand gemins of the streets had been turned loose in a go-as-you-please bathhouse. Then, having proved their ability to catch up with the steamer, they as suddenly veered and sped south ward.-Sunset Magazine.

An Elder Brother.

In a case in the orphans' court of an eastern city one of the principal witnesses was asked if he had any brothers or sisters.

"I had a brother," he replied, "but he died 150 years ago." "What? A hundred and fifty years ago?" echoed the judge, with an im-

plied rebuke for a possible jest. "Yes. I am telling you the truth. My father was married at nineteen years of age. Within the year a son was born to him, who shortly afterward died. Becoming a widower before he was thirty, my father married again at the age of seventy-five. I was born next year. I am at present ninety-four years old. If you will make the necessary calculation by adding my age. ninety-four, to the number fifty-six. which is the difference between seventy-five and nineteen, the ages of my father at the time of his respective marriages, the result will be exactly 150. So it is just a century and a half since my brother died."

Let the Children Play.

It is too often true of the unhappy children who are forced to rise too early in their classes that they are conceited all the forenoon of life and stupid all its afternoon. The vigor and freshness which should have been stored up for the purposes of the hard struggle for existence in practical life have been washed out of them by precocious mental debauchery-by gluttow and lesson bibbing. Their facultie, are worn out by the strain put upon their callow brains, and they are lemoralized by worthless childish triumphs before the real work of life begins. I have no compassion for sloth, but youth has more need for intellectual rest than age, and the cheerfulness, the tenacity of purpose, the power of work, which make many a successful man what he is, must often be placed to the credit not of his hours of indusMEET ME AT TAPP'S

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On another jar one reads: "Potasslum a soft metal, easily cut with a knife and showing a silver white luster. When thrown on water it decomposes the water, combining with the oxygen with such avidity that the hydrogen, set free, takes fire. It is the basis of potash and occurs in the body principally as chloride and phosphate." Naturally you know this must all be so, but appearances are against it The specimen does not in the least look like "a soft metal with a silver white luster." It is the living image of two pounds of shop worn dates, the

appearance of it being due to exposure no doubt. In a 154 pound human body are nine ly-seven pounds of oxygen, which would if set free fill a space of nearly 1.000 cubic feet. The body also carrie fifteen pounds of hydrogen, which if allowed to escape would fill a corresponding area. One should be partie ularly glad to know about this gas, because it explains where spellbinders get their supplies. The specimens of these gases are compressed in big glass jars that look sweaty inside, but otherwise are apparently empty. Hydrogen, like carbon, is burned in the body by uniting with oxygen, thus serving as fuel. The water produced is given off in the respiration through the luags and as perspiration through

On the bottom shelf, along with other specimens, is a tin box containing thirty-one pounds of anthracite coal. It represents that amount of carbon in s human body. Carbon combines with York Press. oxygen. In this combination heat and force are generated and carbonic acid gas formed. The carbon taken in the body in food is burned in this way by the oxygen of the inhaled air, yielding heat to keep the body warm and force muscular strength for work. The carbonic acid gas is given out by the lungs and skin. Carbon thus serves as fuel for the body and is its most important fuel element.

Then there are the fats, twenty-two and one-fourth pounds out of 154. Human fat consists of stearin, palmitan and olein, with varying portions in different parts. On a card may be read: "The so called complex fats, protagon jecithin, cerebrin and others, resemble the neutral fats. The quantity is not definitely known, but is supposed to amount to about twelve ounces. These fats are very difficult to obtain, and only small specimens are shown, with special labels. They occur chiefly in the brain, spinal cord and nerves, though found in other parts." By way of illustration there are jars

packed with tallow that account very

naturally for the mutten headed peo deny her weight. Philadelphia Ledger. ple who oppose our views.

A small jar contains what looks to be a smear of black molasses. It is a of something is labeled "cerebrin," a those days." complex fat from the brain and spinal marrow. Glycogen, still another little mess, is an animal starch from the liver, and inosite is a kind of sugar obfained from the muscles. This is also gornd in plante

ment. As we all know, it was placed on trunnions like a cannon, turned over on its side and lowered to the ground, after which it was rolled on cannon balls to the water's edge and shoved into the hold of the Dessoug. the bow plates of which had been removed as she lay in dry dock.

"In the harbor was a Russian squadron. The admiral a few days before the time set for lowering the obelisk sent Commander Gorringe a polite note saying he was much interested in his novel engineering feat and would be pleased if he could be permitted to witness it. Gorringe returned a cour cous invitation to the admiral and his staff and thought nothing more about t. He was concerned rather about what the excited Egyptian mob might lo when it came face to face with the prospect of losing its historical treas-

"At daybreak on the appointed day oals containing 400 Russians put off oin the squadron of the white czar nd formed a hollow square about the belisk. Within were the Americans nd the admiral. Outside surged the hyptian toob, held back by the bris ling Russlan bayonets. When the obelisk was ready a corner of the quare opened and the huge stone start d seaward on its journey to the Unit ed States. Next day the Russian admiral sent another polite note to Comnander Gerringe thanking him for his courtesy in permitting him to view the lowering of the obelisk, which, he said, he had very much enjoyed."-New

messings or work. Thank God every morning when you get up that you have something to do that day which must be done, whether you like it or not. Being forced to work and forced to do your best wil breed in you temperance, self control diligence, strength of will, content and a hundred virtues which the idle will never know. Charles Kingsley,

Business Education, Nothing will stand you in better tead in the hard, cold, practical, everylay world than a good, sound business

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Nell-May doesn't seem so quick to deny her age now as she used to be. She's got very stout lately. Nell What has that got to do with It? Bell-It takes all her time now to

Olden Times.

"Why do you say olden times?" askspecimen of lecithin, which occurs in ed a little giri who had been listening one's brain and which is also found in to a Bible story. "Times are ever so the yolk of an egg. Another little dab much older now than they were in this climate.-Dr. Emil Reich.

> A man never shows his own character so plainly as by his manner of mind to the details as they present portraying another's. Richter,

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old and feeble. A manservant stood behind Rogers' chair and at appropriate intervals would thus admonish his master; "Tell Mr. Dickens, sir, the story of the Hon. Charles Townshend and the beautiful Miss Curzon." The eld poet would start in a slow chant: "The Hon. Charles Townshend became enam ored of Miss Curzon. She was bee yewtiful. He be-ribed her maid to con ceal him in her chee-amber and when the arrived to dress for a ball emerged from his hiding place. She looked at him fixedly, then said, 'Why don't you begin?' She took him for the 'air

Two Ways of Putting It.

Two groups of persons were seated in a railway station, according to Lippincott's Magazine. One consisted of a (ashionably attired pair, the other of a pair who looked as if they were from the country. They had been there only t few minutes when a girl came in whose complexion was as nearly perfect as anything in this world ever is While she was buying her ticket the roung man remarked to the ladies with

"Isn't Miss Cransford a beauty? Her complexion is as perfect as a rose. At the same time the other man lutched his wife's arm and whispered: "Lord, Nan, hasn't that gal got a ourty bide?"

Sterne and Garrick.

Sterne, who had the reputation of reating his wife very badly, was one lay talking to Garrick in a sentimental way in praise of conjugal fidelity and "The husband," he declared. who behaves unkindly to his wife deserves to have his house burned over his head."

"In that case," replied Garrick, "I hope your house is insured."

"Which is the first and most important sacrament?" asked a Sunday school teacher of a girl preparing for confirmation. "Marriage," was the prompt response. "No, baptism is the first and most important sacrament," the teacher corrected. "Not in our family," said the pupil haughtily. "We are respectable."

Precisely Located. "Where were the kings of England

crowned?" was the question on an examination paper. "On their heads," wrote a boy in the space left for the answer.

No gentleman ever finds it necessary to proclaim his character in the assertion that he is a gentleman.-Duluth News-Tribune.

How England Got the Gont. Strange effects have strange causes What gave most English families of the upper class the gout was the treaty that brought in the heavy wines of Portugal, much too heavy for use in

One of the secrets of successful achievement lies in giving one's whole themselves, never slighting one of them, even the smallest.

pains are curable. They are the sign of dangerous conditions of the female organs, which should be promptly attended to or dangerous results will follow.

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although, before taking CARDUI, two

doctors had done me no good. I can truthfully say I was cured by Cardui. want every suffering lady to know of this wenderful medicine."

Do not drift into careless habits of speech. Slang, which is slovenliness in speech, is as contemptible as slovenliness in dress. Many people use slang because they are too lazy to think of proper forms for the expression of thought. The clothing of our minds certainly ought to be regarded before

that of our bodies.

Quite a Stoic. "I had expected there would be a great splurge at Miss Fawtyfore's wedding, but it seems to have passed off

"Oh, yes. The young man submitted to the operation without a murmur."-Chicago Tribune.

Breaking It Gently. Mr. De Club-My dear, a great German physician says women require more sleep than men. Mrs. De C.-Does he? Mr. De C.-Yes, my dearme tonight.

Easy Enough.

Insurance Superintendent (suspiciousy)-How did your husband happen to die so soon after getting insured for large amount? Widow-He worked himself to death trying to pay the premiums.

They Come In Flocks. One way to gain lots of relatives is to die rich and leave no will.-Balti-

Bridegroom (who is receiving his bride's dowry)-Ten dollars is still my daughter swallowed that \$10 when she was a child.-Fliegende Blatter,

Exact.

Essential Requirements "A man must know a great deal to be a good diplomat." "Yes, and be able not to tell it."

The Mine tar the Chienuar The figure 9, which came into the calendar on Jan. 1, 1889, will stay with us 111 years from that date, or until Dec. 31, 1999. No other figure has ever had such a long consecutive run, and the 9 itself has only once before been in a race which lasted over a centurythat in which it continuously figured from Jan. 1, 889, until Dec. 31, 999, a period of 111 years. The figures 3 and 7 occasionally fall into odd combinations, but neither of them has ever yet served for a longer period than 100 consecutive years in our calendar since the present mode of calculating time was established. It is also clear that from their relative positions among the numerals it is an impossibility for either of them to appear in date reckonings continuously for a longer period than a century.

Business Methods.

Great numbers of vast fortunes in um-er-you'd better not walt up for this country have been and are being built up on the very ignorance of the masses in regard to business methods. The schemers bank on it that it is easy to swindle people who do not know how to protect their property They thrive on the ignorance of their fellows. They know that a shrewd advertisement, a cunningly worded circular, a hypnotic appeal, will bring the hard earnings of these unsuspecting people out of hiding places into their own coffers. Success Magazine

Her Dilemma.

Young Matron-Why so pensive dear? Angelina-I'm desperate! Will adores me in pale pink, while Max says wanting. Father-in-law-What? Oh, | I'm an angel in blue. I can't have but one gown, so you see my whole future depends on the color I select. It is sending me crazy-London Tit-Bits.

> Courage is resistance to fear, mastery of fear-not absence of fear.