Foods Necessary to the Body Nutrition.

Health and Happiness. Number 40.

Medicine and Mystery .-- Medicine has cast off the veil of mystery which once covered her face and walks among men uncovered and unashamed. The days of "divine healers," Indian medicine fakers, and of Mrs. Winslow and Lydia Pinkham, are passing away. Some may say that these statements are contradicted by the wide prevalence of Christian Science, osteopathy and other cults. These are only the vagaries which have taken form in the delirium-racked brain of a fast dying superstition .-- V. C. Vaughan, M. D., Science, Dec. 8, 1916.

Food is fuel but there is one con-stituent, protein, which while it can be used as fuel is especially fitted to build tissue, that is, to serve for the protein for children and anemic people than meat. Also, an excess of protein is not so likely to be derived growth and repair of the body. Protein contains nitrogen as the essential element in tissue-building. The proteins are so named because, on actein. count of the elements in their compo- THE AMOUNT OF FATS AND CARBO sition, they stand first or foremost HYDRATES REQUIRED. among the foods necessary to the It has been already stated that 10 calories of protein out of every 100 calories of food are considered suffi-cient. The remainder of the diet, say growth and maintenance of the body

tissues. The two other chief constituents in food are fat and carbohydrate, the last term embracing what are familiarly known as starch and sugar. Fats and carbohydrates are only for fuel and contain carbon as the essential element.

Nitrogen forms about 16 percentage of the protein molecule. After this material is metabolized in the body, the nitrogen is eliminated in various forms, chiefly in the urine, but to a smaller extent in the feces and sweat.

NITROGEN EQUILIBRIUM. If the body is receiving in the food as much nitrogen (or protein) as it is metabolizing and eliminating in the excreta it is said to be in nitrogen equilibrium. If there is a plus bal- properly support life. Another quominus, the body must be losing protein. During the period of growth, convalescence, etc., the body does store protein, and under these conditions the balance is in favor of the food nitrogen. But throughout adult drate. life under normal conditions our diet is so regulated by the appetite that a nitrogen equilibrium is maintained through long periods.

CARBON EQUILIBRIUM.

The term carbon equilibrium is feature of a hygienic diet. Hard sometimes used to describe the condi- foods require chewing. This exercistion in which the total carbon of the es the jaws and improves the condiexcreta (in the carbon diox, urea, etc)., is balanced by the carbon of the food. It is possible that an individual may be in nitrogen equilibrium and yet be losing or gaining in weight, since, although the consumption of and rolls on which so many people inproteins may just be covered by the sist. The Igorots of the Philippines proteins of the food, the consumption have perfect teeth so long as they live of non-protein material, particularly on hard, coarse foods. But civilizathe fats of the body, may be greater than the supply furnished by or manufactured from the food.

An adult under normal conditions lives so as to maintain a general body equilibrium: his ingesta of all kinds equilibrium: his ingesta of all kinds are balanced by the corresponding ex-cretions, and the individual maintains daily, at the very least, an ounce of cellulose, or "woody fiber." This is contained in largest measure in fiba practically constant body weight.

Raw meat, fish, milk, cheese, eggs, celery, spinach, asparagus, cabbage,

OUT FISHIN'

By Edgar A. Guest. A feller isn't thinkin'-out fishin'; His thoughts are mostly good and clean-out fishin'; He doesn't knock his fellow man, Or harbor any grudges then; A feller's at his finest when-out fishin'.

The rich are comrades of the poor-out fishin'; All brothers of a common lure-out fishin'; The urchin with the pin an' string Can chum with millionaire an' king: Vain pride is a forgotten thing-out fishin'.

A feller gets a chance to dream-out fishin'; He learns the beauties of a stream-out fishin'; An' he can wash his soul in air That ain't foul with selfish care, An' relish plain an' simple fare-out fishin'.

A feller has no time for hate-out fishin'; He ain't eager to be great-out fishin'; He ain't thinkin' thoughts of pelf, Or goods stacked high upon a shelf, But he's always just himself-out fishin'.

A feller's glad to be a friend-out fishin'; A helping hand he'll always lend-out fishin'; The brotherhood of rod and line An' sky an' stream is always fine; Men come real close to God's design-out fishin'.

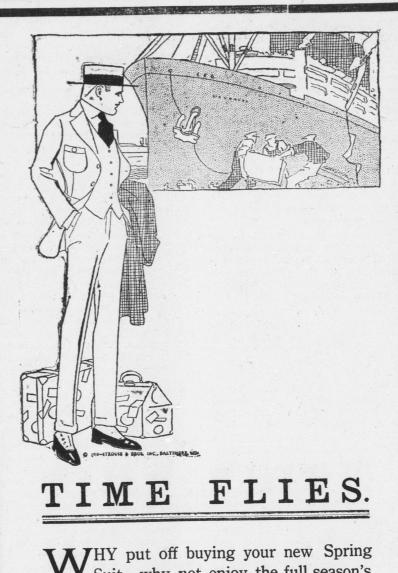
A feller isn't plottin' schemes-out fishin'; He's mostly busy with his dreams-out fishin'; His livery's a coat of tan, His creed? To do the best he can. A feller's always mostly man-out fishin'.

-The Germans are predicting of the German offensive. But Gerthat the body is laying on or storing protein tissue, while if the balance is minus the body must be leave and Fisk, page 40) will explain other factors that must be considered: repair and rehabilitation possible. Moreover, the American cities will, without doubt, stand by their adoptbe laid low by conquest in the great German drive. Some of them like Nayon, the adopted child of Wash-ington, D. C., Tilloloy, the protege of ed civic children so long as the need remains .- Christian Science Monitor. the Daughters of the American Rev-olution, and Soissons, specially cared for by Detroit, lie directly in the line -Subscribe for the "Watchman."

> CASTORIA. CASTORIA. sures the flow of saliva and gastric juice. If the food is not only hard, Net Contents 15 Fluid Drach but also dry, it still further invites the flow of saliva. Stale and crusty bread For Infants and Children. 900 DROPS **Mothers Know That** tion ruins their teeth when they change to our soft foods. **Genuine Castoria** Most of the ordinary foods lack bulk; they are too concentrated. For this purpose it is found that we need ALGOHOL-3 PER GENT. Alwavs AVegetable Preparation for As similating the Food by Regulating the Stomachs and Bowels of Bears the INFANTS . CHILDREN rous fruits and vegetables-lettuce, Signature Thereby Promoting Digestion Cheerfulness and Rest. Contains

neither Opium, Morphine nor

Mineral, NOT NARGOTIC



WHY put off buying your new Spring Suit—why not enjoy the full season's service which your new Spring Suit will give you?

Men are prone to delay replenishing their wardrobe each season, losing the opportunity to select from widest assortments, foregoing the pleasure of appearing in new clothes when even Spring appears freshly garbed.

Made by Strouse & Brothers, Inc., Baltimore, Md. simplify the process of selection. We show

them at prices from \$20.00 to \$35.00.



legumes (peas, beans, lentils), nuts, and to some extent cereals, are illustrations of protein-containing material. In fact, most ordinary foods contain more or less protein .. The carbohydrates include the starches and sugars. THE PROTEIN RATION.

give to the ration the right amount of but what Tommy Atkins needs is bulk "Foods should be so selected as to protein, or repair-foods, on the one in his inside." hand, and of fats and carbohydrates, RAW FOOD or fuel-foods, on the other. A certain amount of protein is absolutely essential. While, for a few days, protein may be reduced to little or nothing without harm, if the body be long deprived of the needed protein it will waste away and ultimately death will result.

The right proportion of protein has been the subject of much controversy. On the average, 100-120 grams of pro-tein are used daily by the adult man. Voit gives 118 grams of protein as the average daily consumption. Experi-ments show, however, that a man may exist in good health upon a much exist in good health upon a much smaller amount, per day, as little as 20 to 40 grams provided the non-pro-tein portion of the diet is increased. According to what are now regard-ed as the best investigations, the right

proportion of protein is generally about 10 per cent. of the total number of heat-units consumed. This does not mean 10 per cent. of the total weight nor 10 per cent. of the to-

portion of protein is usually due to the extensive use of meat and eggs although it may occur also from ex-cessive use of other high-protein foods such as fish, shell-fish, fowl, cheese, peas and beans. To quote one of the world's foremost students of hygiene: "It is a fact that the diet of the wellto-do is not in itself physiologically justified; it is not even healthful. For, on account of false notions of the strengthening effect of meat, too much meat is used by young and old, and by children, and this is harmful. But this meat is publicly sanctioned; it is found in all hotels; it has become international and has supplanted, almost everywhere, the characteristic

most everywhere, the characteristic local culinary art." When protein is taken in great ex-cess of the body's needs, as is usually the case in the diet of Americans, added work is given the liver and kid-neys, and their "factor of safety" may be exceeded be exceeded.

Flesh-food—fish, shell-fish, meat, fowl—when used in great abundance, are subject to additional objections. They tend to produce an excess of acids, are very prone to putrefaction, and contain "purins" which lead to the production of uric acid. Some of the vegetable foods, rich in protein, such as peas and beans, are likewise not free from objection. Their protein is not always easily digested and

is, therefore, liable to putrefaction. Unlike most vegetable foods, they

caulif er, corn. beets, on ns. pars nips, squash, pumpkins, tomatoes, cucumbers, berries, etc.

BULKY FOODS.

90 per cent. of the calories, may be

divided according to personal prefer-ence between fats and carbohydrates

in almost any proportion, provided some of each is used; as each serves

much the same purpose in the body, any small excess can be easily stored. A good proportion is 30 per cent. fat

and 60 per cent. carbohydrate. Com-

and to be tend. Carbonyarter of ca-lories, or food units, yielded by fats is a little more than twice that yield-ed by carbohydrates."

While proteins, carbohydrates and

fats are called the chief constituents

of foods, it must be understood that a

ration balanced even properly in these

food constituents would yet not alone

tation from "How To Live" (Fisher

HARD, BULKY, AND UNCOOKED

FOODS.

consist entirely in balancing the ra-tion as to protein, fat and carbohy-

HARD FOODS. Hard foods, that is, foods that re-sist the pressure of the teeth, like

crusts, toast, hard biscuits or crack-

ers, hard fruits, fibrous vegetables

and nuts, are an extremely important

tion of tooth sockets and teeth and in-

"The wise choice of foods does not

Until recently would-be food reformers have made the mistake of seeking to secure concentrated dietaries, especially for army rations. It was this tendency that caused Kip-ling to say," compressed vegetables and meat biscuits may be nourishing,

RAW FOODS AND VITAMINS.

Cooking is an important art but some foods when cooked lose certain small components called vitamins, which are also found in the skin or coating of grains, especially rice, also in yolk of egg, raw milk, fresh fruit, and fresh vegetables, especially peas and beans. These vitamins are very important to the well-being of the body. Their absence is probably responsible for certain diseases, such as beriberi, scurvy and possibly pellagra, as well as much ill health of a less definite sort. Some raw or uncooked foods, therefore, such as lettuce or tomatoes, celery, fruit, nuts, and milk, should be used in order to supply these minute and as yet not well-understood substances which are de-stroyed by the prolonged cooking at the temperature which is employed in order to sterilize canned foods. They are also diminished and often destroy ed by ordinary cooking, except in acid fruits and acid vegetables.

tal weight nor 10 per cent. of the to-tal bulk, but 10 per cent. of the total nutriment, that is, 10 calories of pro-tein out of every 100 calories of food. Most persons in America eat much more protein than this. Instead of 10 calories out of every 100, many peo-ple use 20 to 30. This excessive pro-marting of protein is usually due to It is true that only very clean milk always be given to infants over one month old who are fed pasteurized milk. Raw foods have dangers of their own in carrying germs and par-asites, and it is extremely advisable that all raw foods should be very thoroughly washed before eating.

ACIDS AND INORGANIC SALTS. In addition to protein, fat, carbohydrate, and vitamins, there are other elements which the body requires to maintain chemical equilibrium and for the proper maintenance of organic functions. These are the fruit and vegetable acids and inorganic salts, vegetable acids and morganic saits, especially lime, phosphorous, and iron. These substances are usually supplied, in ample amounts, in a mixed diet, containing a variety of fruits and veg-etables and an adequate amount of mills and aream Pototoes forced by milk and cream. Potatoes feared by some in acid condition (such as gout), are actually valuable because of their alkalinity."

April 26—"The Daily Ration— The Amount of Food Required Each Twenty-Four Hours."

The Truth of the Matter.

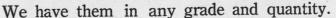
Bood-Most things that are bought

go to the buyer. Simp—Yeah, all except coal, and that goes to the cellar.—Awgwan. DUNLOP STREET

----They are all good enough, but the "Watchman" is always the best.

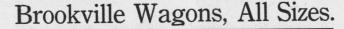


of



Wiard Plows (Walking and Riding) Disc Harrows Perry Spring Tooth Harrows Spike Tooth Harrows

Cultivators (Riding and Walking) Hand Cultivators



Seed Potatoes. Tested Seed Corn. FIELD SEEDS OF EVERY DESCRIPTION. Garden and Flower Seeds, 9 Cents the Package. LET US KNOW YOUR WANTS We Can Save You Money.

~~~~~~ Dubbs' Implement and Seed Store, BELLEFONTE, PA. 62-47

#### FINE GROCEKIES

LL GOODS in our line are thirty to sixty days late this sea-son. Prices are somewhat, but not strongly above the lev-el at this time last season. It is not safe to predict, but it A does seem that prices are just now "passing over the top" and may be somewhat more reasonable in the near future.

## We Have Received

New Evaporated Apricots at 25c and 30c a lb. Fancy Peaches 20c and 22c lb. Very Fancy Evaporated Corn at 35c a lb. or 3 cans for \$1.00. Fancy Selected Sweet Potatoes 5c a lb.—some grades at 3c to 4c a lb. Very Fancy Cranberries at 18c per quart or pound. to 4c a lb. Very Fancy Cranberries at 18c per quart or pound. Almerin White Grapes, Celery, New Paper-shell Almonds, California Walnuts, Finest Quality Cheese.

INCLUDE OYSTERS IN YOUR ORDERS We will deliver fresh opened, solid measure at cost with other goods.

WE MAKE OUR OWN MINCE MEAT.

No item is cut our or cut short on account of cost—it is just THE BEST WE CAN MAKE and is highly recommended by all those who have tried it. If you have used it you already know—or try it just now

SECHLER & COMPANY, - - Bellefonte, Pa. Bush House Block, 57-1



Tomorrow-this very day-a few hundred dollars might give you a chance in business, in real estate, that would start you on the road to wealth.

HAVE YOU THE FEW HUNDRED? If you haven't, make up your mind to accumulate that sum, for there's no telling when such an opportunity will present itself.

Start a Bank Account Today THE CENTRE COUNTY BANK, BELLEFONTE