CORPULENCE.

they were thinner, while not a few spare people wish for in supporting life, and only the residue unconsumed could more adipose tissue. Much of this arises from man's nature be laid up as reserve. But if farinaceous food and sugar not to be satisfied with things as they are; but some of this (carbohydrates) be taken with the albumen, the former procomplaint rests on better grounds. There are certain disad- tect the latter from burning up, and thus favor the formavantages connected with carrying around an excessive quan- tion of fat, although we have no proof that they can themtity of useless fat. It is evident that the labor expended in selves be converted into fat. To make a familiar comparicarrying three hundred pounds of human flesh about from son, a person who receives a very small salary and board ing that a man who toils with his hands has an equitable place to place, or lifting it up a flight of stairs, is twice that will be able to put more money in the savings bank than claim to the product, and, if he has special skill, may rightly required to handle 150 pounds. The exertion being greater, 'one who receives a larger compensation for his services, but have the advantage of it, also hold that if a man toils with the muscles should be stronger, but, unfortunately, they has to pay his own board. The food which the former reare usually weaker. All this weight must be borne by the ceives from his employer cannot be deposited in the bank, same pair of feet, which frequently suffer from the strain, but it enables him to preserve intact whatever cash he may or are crushed by the superincumbent weight. An accu-|get. This protecting influence of the carbohydrates led mulation of fat about the trunk impedes respiration, and early chemists to mistake them for fat producers. makes exercise almost impossible. For these and similar Both the quality and quantity of food taken are of imreasons that will readily occur to the reader, corpulent portance in the treatment of corpulence. Starvation will people are generally anxious to get rid of the excess. This reduce the flesh, but it should never be resorted to, as it pro- nized property in mental products. Beyond question, in is particularly the case with ladies of fashion, for "too duces weakness in every organ, and leads to the worst remuch fat spoils the figure."

within our own control to say whether they shall be fat or of the natural appetite. As regards the kind of food, the cal, and racial problems in process of evolution in the thin. Every farmer knows how to fatten his cattle, and a following should only be taken in small quantities: Bread, fat horse is considered an index to the liberality of his milk, eggs, potatoes, carrots, rice, buckwheat, sweet soups, feeder. Leaving out of account a few unhealthy indivi- sugar, mutton in any form, beef steak, salads with oil, desduals, most animals fatten when allowed to eat their fill and sert dishes, and wine jelly. The following should be almost numerous, too vast, too far beyond measure in their quantitake their ease, but soon lose flesh when the feed is limited entirely avoided: Butter, cream, fats, sauces, pork, sweet ties and intensities. The world has never before seen social or bad.

In the human species, the rule fails as often as it holds For beverages tea and coffee may be taken with little or no good. Most lean men are notoriously large eaters, and milk and sugar, but chocolate and cocoa are to be avoided. while still preserving its political continuity, is a new thing. some are, in addition, excessively lazy. Apparently all the Beer and strong alcoholic liquors must be given up, but This progressive incorporation of vast bodies of immigrants conditions favorable to fattening are present, yet the indi- sour wines diluted with water are permissible. vidual remains spare and thin. Others attain great size on | The first person who ever followed out for a year the Large empires composed of different peoples have, in prea limited diet of the poorest food. Nothing is more com-strict dietary laid down by his physician was William Bant-vious cases, been formed by conquest and annexation. Then mon than to see two individuals, a husband and wife, two, ing, who reduced his weight 46 pounds (from 202 pounds to your immense plexus of railways and telegraphs tends to brothers, or two sisters, living and working side by side, 156 pounds), and his circumference by 121/4 inches in that consolidate this vast aggregate of States in a way that no eating the same food, and drinking the same beverages, time. This treatment, which was invented by Harvey, has such aggregate has ever before been consolidated. And apparently taking an equal amount of exercise, yet one since been known as "Bantingism." The details of his there are many minor co-operating causes unlike those hithwill weigh nearly twice as much as the other. The only menu may be found in most medical books. Although fre- erto known. No one can say how it is all going to work explanation that has been offered for such cases, if both quently attempted, it has rarely been found so successful in out. That there will come hereafter troubles of various are in health, is that one is predisposed to embonpoint, the other cases. There is no doubt, however, that any intelli-kinds, and very grave ones, seems highly probable; but all other not. No doubt the natural disposition, too, has a gent person who is willing to impose some restraint on his nations have had, and will have, their troubles. Already great influence; worry, rather than work, consumes the appetite, and avoid the forbidden foods and drinks men- you have triumphed over one great trouble, and may reaflesh, so that men who take the world easy frequently stay tioned above and take regular exercise, may materially re- sonably hope to triumph over others. It may, I think, be fat on the most limited diet.

Immermann, are as follows: 1. Heredity, although it may a cathartic nature, are sometimes employed with good re- long time in evolving its ultimate form; but that its ultinot show itself until middle life. 2. Period of life. Nursing sults. It is generally more successful if taken at the spring, mate form will be high. One great result is, I think, tolbabies and persons over forty are most inclined to be fat. where the customs of the place favor exercise and plain erably clear. From biological truths it is to be inferred 3. Sex; the female is more inclined to be stout than the diet. Waters that contain iodides are also recommended, that the eventual mixture of the allied varieties of the male. 4. Physiological constitution; full-blooded people but are of doubtful efficiency. throw up more fat than most thin-blooded ones, but there | Another remedy, which seems less rational than any of powerful type of man than has hitherto existed, and a type of is a sort of anæmic condition that also favors corpulence. the above, is recommended in the London journals, namely, man more plastic, more adaptable, more capable of under-5. Temperament. 6. Genital anomalies; we know that the application of external pressure, whereby the dimensions going the modifications needful for complete social life. I wethers, oxen, and capons, as well as eunuchs, are usually of the body are gradually reduced to normal proportions. think that whatever difficulties they may have to surmount, fat. Although the above mentioned causes, which are be- Several correspondents of these papers report that they have and whatever tribulations they may have to pass through, yond the control of the individual, favor corpulence, they tried it with success, while no failures have yet been re- the Americans may reasonably look forward to a time do not produce it.

exchange their estate is shown by the large sale that "anti- result. Another gentleman reports that by the use of an fat" nostrums have, although their dangerous character is ordinary lady's corset he reduced his circumference 8 evident from the fact that at least one death has been inches (from 42 to 34 inches), with great improvement in traced to their use. It is not stated whether the victim, bodily health. It is probable that tight lacing has a good by E. Dieterich, in regard to the method he employs for who had taken eighteen bottles of the medicine, had ac- effect on immoderate eaters, and thus favors leanness and making the copying paper which has obtained so good a quired the desired degree of tenuity before her death, but (as some claim) cures dyspepsia, but we are unable to see reputation in Germany. The manufacture may be divided we infer that she had not, as she is spoken of as being how it can have any other good effect. Another remarkable into two parts, viz., the production of the color and the "very stout." We conclude that "anti-fat" is not what it fact is that men were the first to make the discovery that application of the same to the paper. For blue paper, pretends to be, notwithstanding its dangerous character, tight lacing will cure corpulence, while the other sex, who Dieterich uses exclusively the blue color known as "Paris vesiculosus, or tangle, a kind of seaweed, also used in some sets, never found it out. While we do not wish to discredit kilogrammes of this color are coarsely powdered, and mixed which is exceedingly doubtful, it is due to the iodine which tight lacing is a universal cure for corpulence, since it is of glycerine is then added. This mixture is, for a week, exit contains.

sired end.

In early Greece gymnastic exercises had for their express the excess of carbon, whatever prevents free breathing brush, and afterward evenly divided and polished with a object the prevention of corpulence. A huge padding of should tend to increase corpulence; hence the corsets must badger's hair brush. The sheets are then dried on a table fat not only shocked the highly developed æsthetic sensi- not be worn too tight at first. With this restriction, the heated by steam. This is done in a few minutes, and the bility of this richly gifted people, but was most justly re- remedy is safe and worthy of a trial, when other means paper is then ready for shipment. The quantities mentioned garded by them as a hinderance to corporeal robustness. have failed, or wherever circumstances prevent the obser- will be sufficient for about 1,000 sheets of 50 by 90 centime-It is well known that work horses are seldom fat, and per- vance of Banting's rules. It is certainly safer than anti-fat ters, being a day's work for two girls. For black paper sons of active habits avoid excess of flesh. But not only does nostrums. aniline black is used in the same proportion. The operaa quiet life favor corpulence, but corpulence favors quiet, Whatever course of treatment the man of Falstaffian tion must be carried on in well ventilated rooms protected for the fat man finds it impossible to take much exercise. proportions would adopt, failure is sure to result unless from fire, on account of the combustibility of the material and the narcotic effects of the ligroine. The paper is used Before considering the diet most favorable to the cure of patience and perseverance are abundantly supplied. corpulence, we must ask whence comes human fat. The ! In the case of anæmic corpulence, where the number of between two sheets of paper, the upper one receiving the views of physiological chemists have undergone much red blood corpuscles is insufficient to oxidize the elements original, the lower one the copy. change since the days of Liebig, who considered the carbo- of the food, the person will have a white, pasty, or doughy ----The Mirror Telegraph. hydrates (sugar and starch) to be the fat producers. The look. The cause being different, none of the above modes more recent physiological view regards the greater portion of treatment are applicable. The general health must be An interesting experiment in heliography, or signaling of the fat store as probably a product of the decomposition attended to, ferruginous tonics can be tried, and every means by sunshine, was successfully made in Egypt during the reof the albumen in the food, but some of the fat eaten is should be resorted to for oxygenating the blood. It is pro- cent campaign. Colonel Keyser ascended one of the pyradeposited in the tissues directly. The magnitude of this bable, even, that exposure to increased atmospheric pres- mids near Cairo, and by means of a heliographic mirror restore is primarily determined by the amount of food taken, sure, as the workmen are in the Hudson River Tunnel, might flected a ray of sunlight to Alexandria, 120 miles away. At because the store of fat at any time laid up in the animal be beneficial in such cases. Exercise, properly taken, is that great distance the signals, appearing like pin points of body is derived from the nutriment assimilated by the likewise beneficial. In general, however, such cases had brightness, were easily ascertained to be a message from Sir Garnet Wolseley to the Khedive. organism. It does not follow from our first statement that better be referred to a competent physician.

if a man lived entirely on albumen he would get fat, be-Nothing is more common than to hear stout people wish cause a large portion of the albumen would be consumed

sults. On the other hand, the quantity of food eaten should In the case of our domestic animals, we have it largely be as small as consistent with health and with satisfaction

duce his own weight and bulk.

ported. One man, who had tried Bantingism without suc-That a large number of corpulent persons are anxious to cess, reports that "tight lacing" accomplished the desired any the world has known."

Some of Herbert Spencer's Impressions,

Discussing the conditions and causes of the immense developments of material civilization, which he has observed in this country, developments of which his previous studies had given him no adequate idea, Mr. Herbert Spencer properly gives a prominent place to the inventiveness which has been "so wisely fostered." "Among us in England," he said, "there are many foolish people who, while thinkhis brain, perhaps for years, and, uniting genius with perseverance, evolves some valuable invention, the public may rightly claim the benefit. The Americans have been more far-seeing. The enormous museum of patents which I saw at Washington is significant of the attention paid to inventors' claims; and the nation profits immensely from having, in this direction (though not in all others), recogrespect of mechanical appliances, the Americans are ahead of all nations."

Touching the probable issue of the gigantic social, politi-United States, Mr. Spencer said:

"No one can form anything more than vague and general conclusions respecting your future. The factors are too pastry, confitures, creams, ices, chestnuts and other nuts. phenomena at all comparable with those presented in the United States. A society spreading over enormous tracts, of various bloods has never occurred on such a scale before. reasonably held that both because of its size and the hetero-The predisposing causes of corpulency, according to The waters of certain mineral springs, especially those of geneity of its components, the American nation will be a Aryan race forming the population will produce a more when they will have produced a civilization grander than

Copying Paper.

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The following is communicated to the Polytech. Notizblatt and some authorities say that its chief ingredient is *fucus* are supposed to have had more experience in the use of cor-blue," as covering better than any other mineral color. Ten places to fatten hogs. If it really possesses any virtue, the statements of so many witnesses, we cannot believe that with 20 kilogrammes of ordinary olive oil; 0.25 kilogramme well known that most corpulent women lace, some few of posed in a drying room to a temperature of 40° to 50° C., and Many of the persons who complain of their flesh could them excessively, and yet they are not cured of their chief then ground as fine as possible in a paint mill. The glycerine relieve themselves of part of it by two simple expedients, infirmity thereby. Perhaps the effect is different on men, softens the hard paint, and tends to make it more easily difviz, eating less and taking more exercise. This, however, for, being unused to tight clothing, the corset proves a con-fusible. Then Dieterich melted 0.5 kilogramme of yellow requires too great a sacrifice on their part; they are like the stant reminder of the necessity of exercising moderation in wax with 7.5 kilogrammes of ligroine, and added to this 3 people who want to get rich or learned without exercising eating and drinking, while even the temporary reduction in kilogrammes of the blue mixture, mixing slowly at a temthe amount of self-denial necessary to accomplish the de-1 size makes them more capable of taking active exercise. perature of 30° or 40° C. The mass is now of the consist-Since oxygen in the blood is essential to the consumption of ence of honey. It is applied to the paper with a coarse