## E KNOW ABOUT CANCERS

It Causes More Than One in Every Thirty Deaths and Carries Off More Victims Than All the Contagious

Diseases Put Together—Is Not Fatal if Treated in Time and Is Not on the Increase 1912, by the New York Herald Co. All skin surface, though practically never seen HERE is naturally very great in other people in the same situations.

in thirty deaths, it is said, and cer develop on portions of the skin sur- of the pipe offen being rough and itself a brane meet-that is, where one form of abdominal region, with carries off more victims than typhoid feve:, face subjected to constant irritation from smallpox, scarlet fever, measles, whooping these products. Apparently all that is cough and all the contagious diseases put needed in certain persons is the constant together. There are very few people one presence of an irritant, and then cancer may meet in our time who have not lost is likely to develop. It does not develop some friends by cancer. Information with in all of the workers in a particular trade, of the oral mucous membranes smoking, cancer. Sores on the lips that refuse to scars that develop in the regard to it has been looked for anxiously nor even in a large proportion of them, and the supply from many sources has but it is seen only in those who work at liquors, especially undiluted, and the like, always suspicious and must not be albeen almost equal to the demand. Some such trades, and the origin of it, particuof the information, however, has proved larly in parts of the body where irritants but they produce conditions in which without consulting a physician. If they set up over probabled trieds to be merely hasty jumping to concluse are constantly present in workers, though those who are predisposed to malignant are somewhat indurated, then this warn-develop cancerous ten sions not justified by real knowledge, cancer almost never occurs in other per- disease develop it. Only a comparatively ling is particularly important. Some spots, for instance, are Much more of it has turned out to be sons in such localities, makes it evident, sensational seeking after notoriety for that the disease is due to the prolonge one reason or another, either on the part local irritation. of scientific investigators, or much oftener | Any form of chronic irritation, however, on the part of those whose only idea is may prove the basis for the developmen the their supposed dis- of cancer. Sailors, who handle ropes and

Scarcely a month passes without the to the inclemencies of the weather, de

announcement of a new and wonderful velop certain chronic skin diseases, in the discovery with regard to the cause and midst of which cancer has been known to cure of cancer, yet the cancer deaths con- develop, which by German authorities has timue and very little that is practical been spoken of as sailor's cancer. seems to have been accomplished. Every The customs of many nations furnish now and then the high character of the the basis of chronic irritation in which source of the news seems to indicate that cancer develops. For instance, in Ceylon the mystery has surely been solved, but and India the people have the habit of we find after a time that it is just as chewing a preparation of betel nut. This great a mystery as ever, and cancer con- consists of the nut of the betel tree tinues to be one of the most serious fac- wrapped in the leaves of the betel pepper tors in the human death rate. In spite plant. It is very hot and rather acric. of all the accumulation of medical scien- and it is not a little difficult to understand tific knowledge in recent years there just why the custom of chewing the have even been declarations, apparently preparation became so common. Apfounded on reliable statistics, that can- parently any strong sensation can after cer was increasing rather than decreas a time become a source of pleasure being. This, of course, is mainly due to cause of the attention that it arouses, the fact that with better knowledge can- The gum chewing habit, after all, is her is now more frequently and surely founded on the same principle, a certain diagnosed. Many a patient died from low grade pleasure being derived from doscure internal aliments in the past an occupation of the jaws and tongue and whose death was set down to some con- teeth. Apparently such occupation lestitutional disease of a general character sens worries in some people and keepa or to some complication or even to old such mind as they have from being a age that now is definitely recognized as burden to them. a death from cancer. Population is so Betel Nut Chewing. much more crowded and news better re- Some years ago it was noted that speported that we hear much more fre cial forms of cancer of the tongue were quently of deaths from cancer, but the much more frequent in Ceylon and India

tain number of them in this form.

Cause Not Known.

certain conditions that favor its appear ance in people who are predisposed to

disease were actually developing.

only real increase has come from the than elsewhere, and eventually the orifact that our better hygienic conditions gin of these cancers was traced to the are keeping people alive longer than a chronic irritation set up during the procfew generations ago, and cancer is a dis- ess of betel nut chewing. The inhabiease particularly of the time after mid- tants recognize the danger now, but as dle life. More people live to the cancer only a small proportion of those who have age and death inevitably comes to a cer- the habit develop cancer, the habit continues to be popular and doubtless will remain for many years. There is no doubt about the connection between the In spite of the scarcity of such definite irritant and the subsequent cancer, but information as would enable us to prevent or cure cancer in general, we now know people seem quite willing to face the risk enough about it to be able to point out so long as the danger is not inevitable

whose hands and arms-are much exposed

In China the people in many of the so as to be able to suggest general procountry districts have acquired the habit phylaxis and, still more important, to be of eating rice very hot. This is some regard to cancer which make some sensitive people almost as miserable as if the possible for one unused to it to hold the

nowledge of the disease as may be help. rice and the cancer development. A very curious custom prevails in Kash mir, a district in the Himalaya Moun cancer, as has been said, there are many tains, which gives origin to a specially ateresting conditions that have been dis- localized cancer. The cold is often ex overed in which it develops very fre- treme in the mountains and the variacently. It is particularly likely to orig. tions of temperature very marked. As nate in areas of chronic irritation; that consequence of this many of the peop s, portions of the body where some irri- in this district are in the habit during ant has been producing that tendency to the cold weather of wearing under their orgestion in the midst of which nerves rather loose dress a small portable charre more aepaltive and vital processes coal stove. This is usually fastened ere more active than they are anywhere round the waist by a girdle and is apelse. Many of these chronic irritations plied directly to the abdomen in front re due to occupations or popular habits. As a consequence of the intense irritation f cancer in connection with certain develops in these persons rather frequent rades that this peculiarity of cancer was ly just beneath where the little stove is worn. Cancer in this location in the skin mnoy sweep's cancer. The soot except in Kashmir, though it is not at all macra cleaned by these work- infrequent there. There can be no doubt,

orers seldom take much trouble to secure . Cancer of the Tongue. outplere cleanings. As a consequence, Some similar causalive conditions have take resource, caronic conference manifestly, of the chronic irritation set up been studied among our own people. Over the like need to be watched carefully if occasion for cancer development. Any instance, because the site of cancer freby the presence of this sire it was noted and over again it has been noted that they have continued to exist for a conthat cancer was particularly likely to de men who smoke short pipes, which they siderable period in spite of reasonable instance, that s up by radium, will do attention to them. Deep ulcers that have with them has proved a disappointment. The disease to make its mortality must

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drawing hot smoke directly against the of sores on the eyelids and the lips. It the vest pocket has been it end oreside of thestongue, the mouthpiece is at points where skin and mucous mem- produced a burn of the sky second source of irritation, develop can covering of the surface, the dry skin, opment of cancer. Any austic, however, occur at the points most subject to irritation, develop can covering of the surface, the dry skin, opment of cancer. Any cer at the in itated point. Nearly all of passes over into the moist, softer mucous might, if its the mouth cancers seen in this country membrane-that there is particular like duce a similar effect. develop in men; only rarely are they seen lihood of the development of these dis- acids produce scars in in women. Men indulge in many irritants turbances of cell growth that we call develops. This is partie chewing tobacco, the use of alcoholic heal in spite of ordinary treatment are sequence of swallowing

Danger of Pignented Spots.

cer occurs particularly just where the the worst, until often the cancer reacher swallowing tube is narrowesters it passes such a stage that it cannot be removed through the diaphragm. In the stomach completely, and then death is practically it occurs with the greatest frequency at linevitable. The report of the Commisthe pylorus, or gateway; that is, the place sion on Cancer of the State of Fennsyla accident some of exit for food from the stomach. It is vania for last year covers the statistics here that unchewed portions of food with of four hundred patients from various rough edges or pieces of bone or other parts of the State. When the cases of hard materials are likely to produce fre- external cancers presented themselves where irritation from rough magerials in the patients had been aware of the prescancer occurs with greatest frequency. more than a year before they applied to Practically all the structures of the the surgeon for relief. Delay probably

> as cancer. dency for certain kinds of cells to over- take place in other parts of the body. grow. There are two kinds of smalignant disease, or cancer, as it is popularly called. One of these is sarcoma, which develops cure to bravely facing the danger, rein the connective tissues and is seen par-fusing to put off in cowardly fashlen ticularly during the younger years before the knowledge of the worst, and then full growth has been attained. The other having the operation performed promptly. is carcinoma, which develops in the epi- Some of the external cancers can be thelial or glandular tissues; that is, those treated successfully by plasters and

> and the glandular tissues. are much less important than the glandu- treatment of cancer without the use of the lar tissues, for they only support and senife. Any one who knows cancer well help to move the body, while the glands must recognize that the cleanest, best perform, the wonderful chemical work medicine we have for it is the knife. with its fine adjustments on which hu- Those who pretend to any other opinman nutrition depends. During the ion are likely to use their various appligrowing period the connective tissues are cations under circumstances where they very important and receive an abundant cannot do good, and unfortunately death nutritive supply, and consequently some- is the penalty for a mistake of this kind, times overgrow locally with the product and the wasting of precious time means tion of malignant tumor, the so-called an inevitable fatal termination. Some sarcoma. Later in life the glands get external cancers must be treated by the

> > The Fatal Delay.

should have been described as a sort of Even the man who is too ready to use rebellion or revolution in the tissues. the knife may make mistakes, and he When the supporting cells, which may should be willing to employ other means well be compared with the working where they may do good. As a rule, surclasses, receive their due amount of nu- gery is the least painful, the quickest. trition and carry on their work, without the surest, the most satisfactory form of wishing to absorb more than their share treatment of cancer, and it leaves the of the nutrition of the body, then all is least scar. well. When the glands, the aristocracy, as it were, of the body, the chemists and glandular cells may make a similar mis- significance of the condition, b share, may produce like serious effects,

generation to another, and this represents later. Whenever such spots are very dently must be present before the malig

An English imperial research commi sure now that without these habits can permit a sore that proves to be cancer- if it is adherent to the underlying tissues, the commission says:—"For the first time judging or whose personal interest diecer of the mouth—that is, the lips, the ous to run on for mouths without giving or begins to be, or if it shows any tenous to make statements of a disquieting matter. Many of these people after "the

Pigmented warts in older people are imilarly dangerous. Warts in young peo- Cancer in some parts of the body, as compensated this it is often practically impossible to gerous, unless for any reason they should parently increasing, but the editor of the that cannot be temporized with, and that report ventures to doubt the significance if its treatment is put off will surely In very recent times certain special in- bleed often, when sometimes they take of the figures and thinks that they require have a fatal termination. Just as soon on malignancy that has a cancerous ten-further study and elucidation. A signifi- as that fact is brought home to the great tract, but this is evidently due to the fact that there are no simple, palaless cares for In general, wherever cancer may be ob- edly had cancer, who were operated upon more than might be expected from the other adequate method, who are alive rowth of population and the fact that from ten to twenty years after their canlives and pass more years in the higher There are many who died after operation cancer ages. Every year after thirty that under ten years, but whose deaths were

the tissues in the midst of which they tion very little can be said as to the cure a word, cancer is by no means the hope any burn, and it is this that proves the are situated. The sears after a burn, for of cancer. A few cures are supposed less condition it is sometimes declared to

hen breaking down again, are oftensites been found to the knife. That seems of cancers. Cancer of the stomach very rather rough way of putting it, but it i frequently develops on the site of an old the only true way. And since cancer i ulcer. The presence of gall stones sets an affair of life and death we must not up a chronic irritation in the gall bladder mince matters. External cancer can I surely be cured by the knife completely Cancers in the digestive tract ansnally lif it only be taken in time. Unfortu-

tion. For instance, in the esophagus can-porize in various ways and fear to know sent areas of irritation. All through the for treatment less than seven out of ten the food is likely to be most noted that ence of the condition for considerably human body that are especially liable to leads to the fatal termination of at least cancer have a history of frequently re- one-half of all cancer cases. Even when peated irritations, and these seem to form the condition is suitable for operation, a basis of that change which comes over often it has been allowed to progress so the tissues and produces what we know far that infection has taken place deep in the tissues, so that, though the exter-The essence of that change is a ten- nal tumor can be removed, recurrences

> Best Medicine Is Knife. Many a cured cancer patient owes his

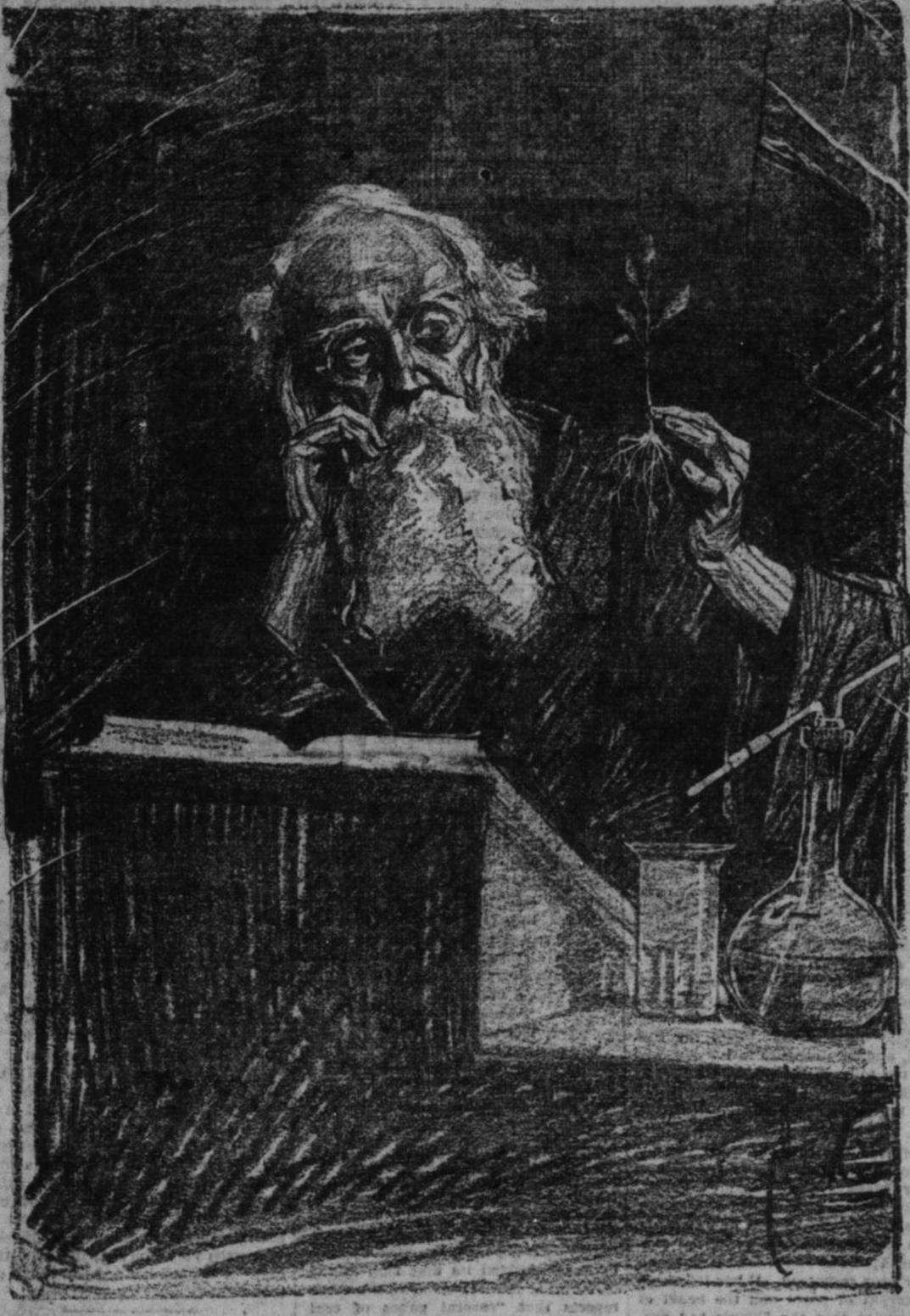
structures which produce various sub- pastes and caustic applications of vastances for the use of the body. Health rious kinds. Indeed, some good authoriconsists to a great extent in a state of ties prefer these modes of treatment peace and co-operation between these two for forms of external cancer. It is exkinds of tissues, the connective tissues tremely important, however, to have these applications made by expert hands. Whenever either of them overgrows at It is always suspicious when the applithe expense of the other the whole or cations are made by those who insist on ganism suffers. The connective tissues how much can be accomplished for the

most of the nutrition and then they may knife. The physician who takes up their overgrow, with the production of true treatment then had better be one who is ready, judiciously and judicially, to select that mode of treatment which is likely to do most good. He must not be It is not surprising, then, that cancer wedded to any one form of treatment.

The Death Rate. other professional men, the directors and The most serious factor in the death administrators of various functions, are rate from cancer at the present time is willing to take their proper share, but no undoubtedly delay in the proper treatment. more, then the body is healthy. In the Probably three-fourths of all cancers younger years sometimes the connective could be radically cured if treated in tissues claim more than their share, over- time. Nine-tenths of all external cancers grow at the expense of the neighboring could surely be eradicated. Most of the delay is due to the fear to know the which they belong. Later in life the worst and the failure to realize the awful take, and, insisting on more than their little is due to the use of fraudulent socalled cancer cures, advertised as such, We know that heredity has a certain promising results without pain and withvery definite but limited place in pre- out operation. These frauds are allowed disposition to cancer. It is evident that by our laws to appeal through the various the equilibrium between the various tis- advertising mediums, and those who are sues in the body which represents health afflicted with cancer, or fear that they are of easy cure, and by the time they have equilibrium may be transmitted from one radical operation done. Not a few people who are not sufferers from true cancer. swelling or chronic sore, apply to these cancer curers and in the course of time their condition passes away. These are the so-called cured cases so much adver-

cure" is over go around for years with

erved locally the increase in cases is no or properly treated by some caustic or le are generally now living longer cerous condition was first diagnosed.



we have a surplus, but to such actuar chronic irritation produced by the hot amount of danger for all who become better attitude of mind than neglect.

Watch Irritations. tations that may prove the origin of can-

perial Cancer Research Fund of England very glad to have even the change of men have this ten- times long continued sores are due to be the seat of external cancer. Someunder the direction of the Royal College sensation that is induced by the intense dency to cancer, less than one in twenty, deep sinuses that lead down to the root times these are congenital moles or birthof Physicians of London and the Royal stimulation of very hot food. Cancer of and as a consequence most men may of a tooth, and these do not readily de marks, as they are called, and sometimes College of Surgeons of England. Their the tongue and of the mouth structures continue to indulge in these britants with generate into cancer, but on the edge of later which evifourth scientific report published not long is common in regions where such hot impunity. No one can tell beforehand, the lips, and especially in the middle dark in color and show any tendency to nant process is set up. since makes another valuable contribu- materials are eaten, and there is no doubt however, just who has or has not a cancer of at either angle of the month, or at the spread they should be promptly removed. tion, not to the theory of cancer, of which of the direct connection between the predisposition, so that there is a certain angle of the eyelids, suspicion is a much This is particularly important advice for sion has dwelt particularly on the quesdelderly people. A pigmented spot that is

It is surprising how many people will the skin need not give any solicitude, but torgue and the tonsils and the Jarynx it proper attention. To do so is nearly dency to extend its borders, these are danwould be much less frequent than it is always fatal, because the glands be ger signals. Whether this lessening of cancer in the tissues become affected, and after ple have no significance and are not dan-

vantage of a broken tooth in order to ac- development of cances. At first when the to degenerate mali-antly. commodate it, gets cancer of the tongue X-rays, which had been hailed as a cure more intensely irritant then the scar of

t clop in certain folds and creases of the keep almost constantly in their mouths, care of them. This is particularly true the same thir Even radium carried in existed for a good while, healing and The only care of them. This is particularly true the same thir Even radium carried in existed for a good while, healing and

brings about the development of the can- about, as a rule, only in sears that have a person lives increases the liability of due to something quite different from canfore, are constantly a source of irritation Unfortunately, after all the investiga- shortened by their malignant disease. In