

P O R K

OR THE

DANGERS OF PORK-EATING EXPOSED.

IN this country, pork-raising is one of the great industries, and one of the most prolific sources of wealth. And since the supply is wholly regulated by the demand, it may be taken as a proper index of the prodigious quantities of swine's flesh which are daily required to satisfy the gustatory demands of the American people. No other kind of animal food is so largely used as is pork in its various forms of preparation. The Yankee makes his Sunday breakfast of pork and beans, besides making the same article a prominent constituent of at least two meals each day during the rest of the week. Pork and hominy is almost the sole aliment of the Texan farmer; while in the Western States pork and potatoes constitute the most substantial portion of the farmer's bill of fare. The accompanying dish may be hominy, beans, or potatoes, but the main reliance is pork in each case.

In the case of no other animal is so large a portion of the dead carcass utilized as food. Pork seems to be considered such a delicacy that not a particle should be wasted. The fat and lean portions are eaten fresh, or carefully preserved by salting or smoking, or both. The tail is roasted, the snout, ears, and feet are pickled and eaten as souse; the intestines and lungs are eaten as tripe or made into sausages; black pudding is made of the blood; the liver, spleen, and kidneys are also prized; the pancreas and other glands are considered great delicacies; while even the skin is made into jelly. In fact, nothing is left of the beast but the bristles, which the shoemaker claims. Surely, it must be quite an important matter, and one well deserving attention, if it can be shown that an animal which is thus lit-

erally devoured, and that in such immense quantities, is not only unfit for food, but one of the prime causes of many loathsome and painful maladies. Let us examine the hog a little, and see what can be determined respecting his real nature, and his office in the economy of nature, if he has any.

A LIVE HOG EXAMINED.

Look at that object in a filthy mud-hole by the roadside. At first you distinguish nothing but a pile of black, slimy mud. The dirty mass moves! You think of a reptile, a turtle, some uncouth monster reveling in his Stygian filth. A grunt! The mystery is solved. The sound betrays a hog. You hasten by, avert your face, and sicken with disgust. Stop, friend, admire your savory ham, your souse, your tripe, your toothsome sausage, in its native element. A dainty beast, is n't he?

Gaze over into that sty, our pork-eating friend. Have you done so before? and would you prefer to be excused? Quite likely; but we will show you a dozen things you did not observe before. See that contented brute quietly reposing in the augmented filth of his own ordure! He seems to feel quite at home, does n't he? Look a little sharper, and scrutinize his skin. Is it smooth and healthy? Not exactly so. So obscured is it with tetter, and scurf, and mange, that you almost expect to see the rotten mass drop off, as the grunting creature rubs it against any projecting corner which may furnish him a convenient scratching-place. As you glance around the pen, you observe that all such conveniences have been utilized until they are worn so smooth as to be almost inefficient.

Stir up the beast and make him show his gait. See how he rolls along, a mountain of fat. If he were human, he would be advised to chew tobacco for his obesity, and would be expected to drop off any day of heart disease. And so he *will* do, unless the butcher forestalls nature by a day or two. Indeed, not long ago, a stout neighbor of his was quietly taking his breakfast from his trough, and grunting his infinite satisfaction, when, without a moment's warning, or a single premonitory symptom, his swinish heart ceased

to beat, and he instantly expired without finishing his meal, much to the disappointment of the butcher who was anticipating the pleasure of quietly executing him a few hours later and serving him up to his pork-loving patrons. Suppose his death had been delayed a few hours, or rather, suppose the butcher had got the start of nature a *little*, as he generally contrives to do!

But we have not half examined our hog yet. If you can possibly prevail upon yourself to sacrifice your taste in the cause of science, pork-loving friend, just clamber over into the reeking sty and take a nearer view of the animal that is destined to delight the palates of some of your friends, perhaps your own. Make him straighten out his fore leg. Now observe closely. Do you see an open sore or issue, a few inches above his foot, on the inner side? and do you say it is a mere accidental abrasion? Find the same on the other leg; it is a wise and wonderful provision of nature. Grasp the leg high up and press downward. Now you see its utility, as a mass of corruption pours out. That opening is the outlet of a sewer. Yes, a scrofulous sewer; and hence the offensive, ichorous matter which discharges from it. Should you fill a syringe with mercury, or some colored injecting-fluid, and drive the contents into this same opening, you would be able to trace all through the body of the animal little pipes communicating with it.

What must be the condition of the body of an animal so foul as to require a regular system of drainage to convey away its teeming filth? Sometimes the outlets get closed by the accumulation of external filth. Then the scrofulous, ichorous stream ceases to flow, and the animal quickly sickens and dies unless the owner speedily cleanses the parts, and so opens anew the feculent fountain, and allows the festering poison to escape.

What dainty morsels those same feet and legs make! What a delicate flavor they have, as every epicure asserts! Do you suppose the corruption with which they are saturated has any influence upon their taste or healthfulness?

Perhaps you are thoroughly disgusted now, and would like to leave the scene. Pause a moment. Now let us look at the inside of this wonderfully delicious beast!

A DEAD HOG EXAMINED.

Do you imagine that the repulsiveness of this loathsome creature is only on the outside? that within everything is pure and wholesome? Vain delusion. Sickening, disgusting, as is the exterior, it is, in comparison with what it covers, a fair cloak, hiding a mass of disease and rottenness which grows more superlatively filthy as we penetrate deeper and deeper beneath the skin.

What Is Lard?

Just under the foul and putrid skin we find a mass of fat from two to six inches in thickness, covering a large portion of the body. Now what is this? Lard, says one; animal oil; an excellent thing for consumptives; a very necessary kind of food in cold weather. Lard, animal oil, very truly; and, we will add, as synonyms, disease, scrofula, torpid liver.

Where did all that fat come from? or how happened it to be heaped up around that poor hog so prodigiously? Surely, it is not natural; for fat is only deposited in large quantities for the purpose of keeping the body warm in winter. This fat is much more than is necessary for such a purpose, and is much greater in amount than ever exists upon the animal in a state of nature. It is evidently the result of disease. So gross have been the habits of the animal, so great has been the foulness of its body, that its excretory organs—its liver, lungs, kidneys, skin, and intestines—have been entirely unable to carry away the impurities which the animal has been all its life accumulating. And even the extensive system of sewerage, with its constant stream, which we have already described, was insufficient to the task of purging so vile a body of the *debris* which abounded in every organ, and saturated every tissue. Consequently, this great flood of disease, which made the blood a black, turbid current, was crowded out of the veins and arteries into the tissues, and there accumulated as fat! Delectable morsel, a slice of fat pork, is n't it? Concentrated, consolidated filth!

Then the fatter a hog, the more diseased he is? Certainly.

A few years ago, there were on exhibition at the great cattle-show in England a couple of hogs which had been stuffed with oil-cake until they were the greatest monsters of obesity ever exhibited. Of course they took the first premium; and if a premium had been awarded for those animals capable of producing the most disease, it is quite probable they would have headed the list still.

Lard, then, obtained from the flesh of the hog by heating, is nothing more than *extract of a diseased carcass!* Who that knows its character will dare to defile himself with this "broth of abominable things"?

Disgusting Developments.

Now let us take a little deeper glance, prepared to find disease and corruption more abundant the deeper we go. Observe the glands which lie about the neck. Instead of being of their ordinary size, and composed of ordinary gland structure, we find them enlarged masses of scrofulous tissue. Perhaps tuberculous degeneration has already taken place. If so, the soft, cheesy, infectuous mass is ready to sow broadcast the seeds of consumption and premature death. For, according to some excellent medical authorities, tuberculous disease is capable of communication by means of tubercles. If the animal is of sufficient age, the further process of ulceration will have occurred.

Now take a deeper look still, and examine the lungs of this much-prized animal. If he is more than a few months old, you will be likely to find large numbers of tubercles if you make a careful examination. If he is much more than a year of age, you will more than likely as not find a portion of the lung completely consolidated. Yet all of this filthy, diseased mass is cooked as a delicious morsel, and served up to satisfy fastidious tastes. If the animal had escaped the butcher's knife a few years he would have died of tuberculous consumption.

But what kind of a liver would you expect such an animal to have? Is not excessive fatness one of the surest evidences of a diseased and inactive liver? Infallible. Then a fat hog must have a dreadfully diseased bile manu-

factory. Make a cut into its substance. In seventy-five cases out of a hundred you will find it filled with abscesses. In a larger percentage still will be found the same diseased products which seem to infest every organ, every tissue, and every structure of the animal. Yet these same rotten, diseased, scrofulous livers are eaten and relished by thousands of people who cannot express their contempt for the Frenchman who eats a horse, or the Chinaman who dines upon fricasseed puppy.

Now just glance at the remaining contents of the abdomen. In every part you notice evidences, unmistakable, of scrofula, fatty degeneration, and tuberculous accumulations.

Where Scrofula Comes From.

The word *scrofula* is derived from the Latin *scrofa*, which means, a sow. The ancient Romans evidently believed that scrofula originated with the hog, and hence they attached the name of the beast to the disease. Saying that a man has scrofula, then, is equivalent to saying that he has the hog disease. After we have seen that the hog is the very embodiment of scrofulous disease, can any one doubt the accuracy of the conclusion of the Romans who named the disease?

Origin of the Tape-Worm.

We shall not attempt to trace the history of this horrid animal, which frequently attains the length of thirty to one hundred feet in the intestines of human beings, only so far as concerns its introduction into the human system.

With this end in view, let us glance again at that diseased liver. Upon closer inspection, it will be no uncommon thing if we discover numberless little sacs, or cysts, about the size of a hemp seed. These do not present a very formidable appearance, certainly; but as soon as they are taken into the stomach by eating the flesh containing them, the gastric juice dissolves off the membranous sac, and liberates a minute animal, which had been lurking there for months, perhaps, awaiting this very opportunity. This creature, although quite minute, is furnished with a head

and four suckers. With the latter it attaches itself firmly to the wall of the intestine, and begins to grow. In a short time it produces an addition to its body, which is attached like a joint behind. Soon a duplicate of this is produced, and then another and another, until a body three or four rods in length is formed.

Under some circumstances, the eggs of the tape-worm may find entrance into the body, when the disease is developed in another form. The embryonic worms consist of a pair of hooklets so shaped that a twisting motion will cause them to penetrate the tissues after the fashion of a corkscrew. Countless numbers of these may be taken into the system, since a single tape-worm has been found to contain more than 2,000,000 eggs. By the boring motion referred to, which seems to be spontaneous in the young worm, the parasites penetrate into every part of the body. Penetrating the walls of the blood-vessels, they are swept along in the life-current, thus finding their way even to the most delicate structures of the human system. They have been found in all the organs of the body, even the brain and the delicate organs of vision not escaping the depredations of this destructive parasite.

When this lively migrating germ gets finally settled in the tissues, it soon becomes enveloped in a little cell, and remains quiet until taken into the stomach of some other animal, when it is liberated, and speedily develops into a full-grown tape-worm, as already described. But although quiet, the imprisoned parasite is by no means harmless. The cysts which are formed often attain such a size as to endanger life. When developed in the eye, they of course occasion blindness. When occurring in the lungs or other organs, they interfere with their proper function. In the liver, which is the most frequent rendezvous of these destructive creatures, a most serious and commonly fatal disease known as hydatids is occasioned by the extraordinary development of the cysts, which are ordinarily not larger than a pea, but by excessive growth assume enormous proportions. The same disease may occur in any other part of the body in which the germs undergo development.

In Iceland this disease has become extremely common ; and it is not very uncommon in this country. We have in our microscopical cabinet specimens of the embryonic worms taken from hydatid tumors of the liver of a patient who died of the disease in Bellevue Hospital, New York.

The poor victim who is forced to entertain this unwelcome guest suffers untold agonies, and finally dies if he cannot succeed in dislodging the parasite.

The germs of these dreadful animals are found *not only* in the liver, but in the *other organs* as well. Pork containing them is said to be measly. Sometimes it is discovered ; but that such is by no means always the case is evidenced by the fact that tape-worm is every year becoming more and more frequent in this country. It has long been common in Germany.

Some time since, we received from a friend in the South a specimen of pork which was so densely peopled with the germs of this dreadful parasite that every cubic inch of flesh contained more than a score of them.

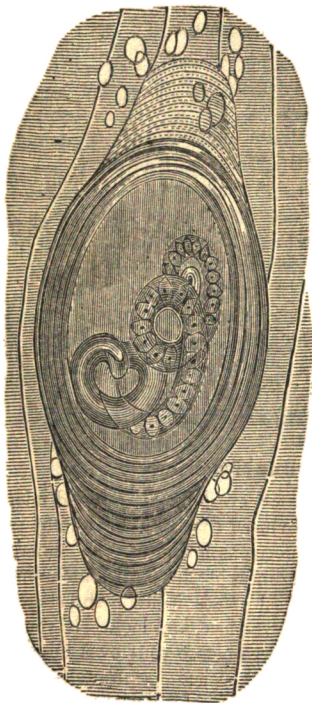
In Abyssinia the occurrence of the worm has become so frequent, owing to the bad dietetic habits of the people, that it has been said that every Abyssinian has a tape-worm. In this country the parasite is most common in pork-butchers and cooks.

The Terrible Trichinæ.

Now, my friend, assist your eyesight by a good microscope, and you will be convinced that you have only just caught a glimpse of the enormous filthiness, the inherent badness, and the intrinsic ugliness of this loathsome animal. Take a thin slice of lean flesh, place it upon the stage of your microscope, adjust the eye-piece, and look. If you are fortunate, you will find displayed before your eyes hundreds of voracious little animals, each coiled up in its little cell waiting for an opportunity to escape from its prison walls and begin its destined work of devastation. A gentleman of eminence in Louisville has made very extensive researches upon the subject, and asserts that in at least one hog out of every ten these creatures may be found. A committee appointed by the Chicago Academy of Medicine to investi-

gate this subject reported that they found in their examinations at the various packing houses in the city at least one hog in fifty infested with trichinæ. Other investigations have shown a still greater frequency of the disease.

A few years ago we obtained a small portion of the flesh of an individual that had died from trichinæ poisoning.



TRICHINA SPIRALIS.

Upon subjecting it to a careful microscopical examination with a good instrument, we discovered multitudes of the worms. Each individual presented the appearance represented in the accompanying accurate engraving. The animal is there seen inclosed in a little cyst, or sac, which is dissolved by the gastric juice when taken into the stomach of any animal. The parasite, being then set at liberty, immediately penetrates the thin, muscular walls of the stomach, and gradually works its way throughout the whole muscular system. It possesses the power of propagating its species with wonderful rapidity; and a person once infected is almost certain to die a lingering death of excruciating agony.

In Helstadt, Prussia, one hundred and three persons were poisoned, and twenty of them died within a month.

It is doubtless not known how many deaths are really

due to this cause ; for many persons die of strange, unknown diseases, which baffle the doctors' skill both as to cure and diagnosis. Trichinosis also very much resembles some other diseases in some of its stages, and may be attributed to other than its true cause. It is thought by many medical men of considerable eminence that hundreds of people die of the disease without its true nature being suspected.

Pork Unclean.

Have we not seen that a hog is nothing better than an animated mass of physical defilement? Few that have seen the animal will dispute that his filthiness is a most patent fact. How wise and sanitary, then, was the command of God to the ancient Jews: "It is unclean unto you. Ye shall not eat of their flesh nor touch their dead carcass."

Although it may not be said that this law still exists, and is binding upon all mankind as a moral obligation, it is quite plain that the physical basis upon which the law is founded is as good to-day as at any previous period. Could it be proved that the hog had kept pace with advancing civilization, and had improved his habits, we might possibly find more tolerance for him ; but he is evidently just as unclean as ever, and just as unfit for food.

Adam Clarke, when once requested to give thanks at a repast of which pork constituted a conspicuous part, used the following words: "Lord, bless this bread, these vegetables, and this fruit ; and if thou canst bless under the gospel what thou didst curse under the law, bless this swine's flesh."

The Mohammedans, as well as the Jews, abstain entirely from the use of pork. Such is also the case with some other tribes of Asia and Africa.

Evil Effects of Pork-Eating.

At the head of the list we place SCROFULA. How almost universally it abounds ! How few are untainted by this ugly disease ! The chronic sore eyes, glandular enlargements, obstinate ulcers, disfigured countenances, unsightly eruptions, including a long list of skin diseases, all

proclaim the defilement of the blood with this vile humor. So, too, do the vast army of dwarfed, strumous, precocious children tell the same story. Erysipelas, too, a dreadful scourge, owes more to pork than to any other predisposing cause. That terrible disease, leprosy, so common in Eastern countries, and now beginning to show itself upon our own shores, is thought by many to be largely attributable to pork-eating.

"**BILIOUSNESS**," a name which covers nearly every bad condition for which no other appropriate name can be found, is notoriously the result of pork-eating. This is the main reason why so many people complain of "biliousness" in the spring, after gorging themselves with fat pork all winter. The liver is overworked in attempting to remove from the system such a mass of impurity as is received in the eating of pork. It consequently becomes clogged, congested, torpid. Then follow all the ills consequent upon the irritating effects of biliary matters in the blood. The skin becomes tawny—jaundiced. The kidneys are overworked. Perhaps a fever results. A partial clearing out then occurs, which enables the individual to pass along for a time again, until some epidemic or contagious disease claims him as a lawful victim.

CONSUMPTION is another disease which is not easily separable from pork-eating. In fact, scrofula is its great predisposing cause. The narrow chests, projecting shoulders, thin features, and lank limbs of so many young boys and girls are evidence of a consumptive tendency, of which a scrofulous diathesis is the predisposing cause.

DYSPEPSIA, that malady of many forms, is a frequent result from the use of pork. Especially when fat, and salted or smoked, pork is one of the most indigestible of foods, requiring between five and six hours for its digestion, when wholesome food will digest in half that time. This is the reason for the notion that salt pork is an excellent thing to "stick by the rib."

TAPE-WORM we have already mentioned as the result of eating measly pork. It is a very difficult disease to cure, and often baffles the best medical skill for many years.

Few ever detect the cysts in the flesh of the hog unless their attention has been directed to the matter.

TRICHINÆ produce in man an incurable disease. No remedy can stay the ravages of the parasite. All pork-eaters are in constant danger; for the worm is too small to be seen without the aid of the microscope. However, this disease is not nearly so formidable as the others named; for it is not so common, neither does it entail any weight of suffering upon posterity.

APOLOGIES FOR PORK-EATING EXAMINED.

On every hand we are met by all sorts of excuses for continuing to make swine's flesh an article of diet in spite of the striking evidences of its dangerous character. Let us examine a few of the most common of these apologies, and test their value.

Pork is Necessary as a Heat-Forming Food in Winter.

Are there not plenty of more healthy animals than hogs to supply all the animal fat necessary? Certainly there are. And, better still, we have the various grains and farinaceous vegetables, which are abundantly sufficient to furnish all the heat required by man in any latitude.

Our Fathers and Grandfathers Ate Pork, and yet Lived to Very Old Age.

Ah! yes, my good friend, and you are suffering the penalty of their transgressions. You may not be well aware of it as yet; but more than likely as not, your old age will not be so free from ills as was theirs. And quite as probably you may even now see in your children the results of your own, as well as your father's disregard of the dictates of sound sense in feasting upon the hog. Their frequent sore eyes, sore mouths, tetter, erysipelas, and other eruptions, are all evidences of the scrofula which they have inherited.

Neither can you urge the plea, "Pork does not hurt

me." No man ever became a drunkard who did not make the same excuse for liquor. You may not feel it now; but the future will expose your delusion.

The Hog is Cleanly if you Give him a Chance to Be So.

It is surprising to us that any person who knows anything of the real nature of a hog can make such an assertion. Who has not seen many a hog wallowing in the foulest mire right in the middle of a green, fragrant clover pasture? The dirty creature will turn away from the nicest bed of straw to revel in a stagnant, seething mud-hole. If one of his companions dies in the lot or pen, he will wait until putrefaction occurs, and then greedily devour the stinking carcass. The filthy brute will even devour his own excrement, and that when not unusually pressed by hunger.

The hog is by nature a scavenger, and is especially adapted for that purpose. Let him pursue his natural calling.

Sufficient Heat Will Kill the Trichinæ and Incipient Tape-Worms.

Surely, dead worms cannot kill any one; but it must be delightful for the pork-eater to contemplate his ham or sausage with the reflection that he will find it a *diet of worms*. The Frenchman sometimes eats earth-worms; the African relishes lizards; and one philosopher so far overcame his natural prejudices as to eat spiders. "How disgusting!" you say, and yet shut your eyes and swallow a million monsters at a meal, because they are *cooked*, and so cannot bite. The louse-eating Patagonian cannot equal that. But it should be remembered that in order that the parasites shall be killed, every part of the meat must be subjected to a heat of at least 212°, which is quite difficult to do, and is seldom accomplished. A whole family were poisoned by eating pork chops which were well cooked upon the outside.

WHAT SHALL WE DO WITH THE HOG?

Stop raising him. Turn him loose. He will soon find his place, like the five thousand which ran down into the sea in the days of Christ. If he must be raised, use him for illuminating our halls and houses. Lubricate our car and wagon axles with his abundant fat. Do anything with him but eat him. It would be dangerous to adopt the principle that we must devour everything which is in the way, or which cannot be otherwise utilized. Adam Clarke thought of one appropriate use to make of him. He said that if he was going to make an offering to the devil he would employ a hog stuffed with tobacco.

Reader, what will you do? Can you continue to use as food such an abominable article as pork, and in so doing run so many risks as you must do? And if you decide that the animal is unfit to claim a place upon your own table, can you conscientiously raise and sell him, to your neighbor's injury?

CASES OF TRICHINÆ POISONING.

The reported cases of death from this terrible cause have become so frequent that we are no longer startled by them. Ten years ago, the description of the death of a person, literally infested with worms, and tortured to death by their inroads upon the system, would have excited feelings of the deepest horror; but now these accounts have become so common that little interest is shown in them, and death from this cause is one of the regular causes of additions to the mortuary list. Nevertheless, the disease is divested of none of its real horrors by its common occurrence. No one is safe; any one who uses swine's flesh as food in any form is liable to the disease. Salting, smoking, and the other ordinary means of curing pork, do not destroy the parasite.

A few years ago, Dr. Germer, health officer of Erie, Pa., was sent for in haste to see a patient who was supposed to be suffering from the cholera. He hastened to the bedside and found a whole family sick with symptoms much resem-

bling those of cholera, though the season was then midwinter. Suspecting the possible cause, he secured a specimen from the pork barrel and hastened to his office. Upon making a careful microscopic examination, he found myriads of the loathsome parasites in every part of the flesh examined. We prepared numerous microscopic specimens of the worm in various aspects from a portion of the infected meat kindly sent us by the Doctor, and have shown them to hundreds of persons who were skeptical respecting the existence of such a pest, so terrible are the effects attributed to it.

In this case the hog had been fattened on the premises, having been purchased when quite young by the owner, a German, from a drove of hogs which passed through the city. It was known that, previous to the purchase of the hog, two of the drove had died on the road, and had been devoured by their scavenger companions. No doubt the deaths were the result of trichinosis; and by devouring the victims the whole herd became infected. It would be difficult to estimate what an amount of suffering and death was entailed by the consumption of this great herd of trichinous hogs. Several members of the German family died, together with several of the neighbors. Those who survived the acute stages of the disease, only escaped to linger out a painful existence in the chronic and incurable state of the malady.

Some three years later we received a specimen of pork from a gentleman in Wisconsin who requested an examination of the same, stating that he procured it from the pork barrel of a neighbor whose family were suffering from a disease which the doctors called cholera infantum. Several of the children had died, and other members of the family were still dangerously ill. The pork had been suspected and examined, but no trichinæ were found by the observers, though several physicians had inspected it. Upon making a careful microscopical inspection of the specimen, we found it alive with young trichinæ.

Many cases of poisoning from this source are never detected. The symptoms of the disease resemble those of several others so closely that most of the cases are treated for other diseases.

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