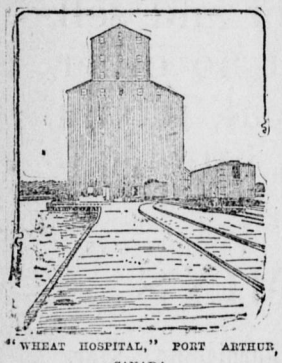
Hospital For Sick Wheat

Great Cereal Infirmary at Port Arthur on Lake Superior—Wonderful Cures Effected.

The latest thing in the hospital line is an infirmary for sick wheat, where various ailments of the kernel are treated and in many cases a perfect cure is effected.

There is an immense annual loss resulting from wet or diseased wheat. The loss from loose smut alone is at least $18,000,000 a year. The Department of Agriculture has disseminated a great deal of information among the farmers in regard to the diseases of wheat and the means for bringing about a cure, but not much benefit has resulted from the information. In the large wheat sections of Manitoba and the Northwest the same conditions prevail, and it was with the object of reducing the loss to a minimum that the wheat hospital has been established at Port Arthur, at the northwest end of Lake Superior. Here an elaborate system is in use for restoring diseased wheat to a healthy state. The building is in the form of a large elevator, very similar to the common grain elevators of the United States and Canada. It is supported out in the lake upon crib work, so that vessels may come alongside and carry the cured wheat directly to the East or foreign ports. About 2,000,000 bushels of wheat are treated in the hospital every year.

Where the disease of the wheat is of a very virulent type, it is impossible to improve it in health. Diseases known as "stinking smut" or "bunt"



"WHEAT HOSPITAL," PORT ARTHUR, CANADA.

are beyond all help. In the advanced stages of those diseases the whole kernel is infected with the germ and becomes a mass of spores, which have consumed all the nutritive parts of the kernel, leaving only a thin shell on the outside. When this breaks there is a countless number of germs released, which have a fetid odor and are ruinous to flour with which they come in contact. Kernels that are intact inside the brown skin can be successfully treated, even though they are so black with smut as to be irrecognizable as wheat. In addition to this unsanitary or dirty wheat, there are kernels that get the dropsy; that is, they become saturated with water, and are unfit for anything except stock fodder. Sometimes an entire crop will be affected in this way, and it usually proves to be a total loss.

The drying plant of the hospital is capable of treating 6500 bushels per hour. The plant includes a series of frames of perforated metal, through which hot air is forced until the wet wheat is completely dried. The wheat is divided into three classes, depending upon the amount of water it contains, and this condition corresponds to the stage of the disease. "Tough" wheat contains about five per cent. of water, "damp" wheat about eight per cent., and "wet" wheat about fifteen per cent. Normal wheat contains about four per cent. of water. After wheat in any of the stages of the disease receives the treatment given at the hospital, it comes out in a normal condition and ready for the market as first class wheat.

Scouring is the treatment given for smut. The dirty wheat is passed through rapidly revolving machines of metal and the dirt is removed by friction. In one stage of the treatment the wheat is thrown from the top of the elevator to the bottom floor, and the erosion is such that in a few months pine planks, two and a half inches in thickness, will be completely worn out. As a great amount of dust is thrown off from the smutty wheat in this treatment, the employes in the hospitals are compelled to wear face masks. These are made of hard white

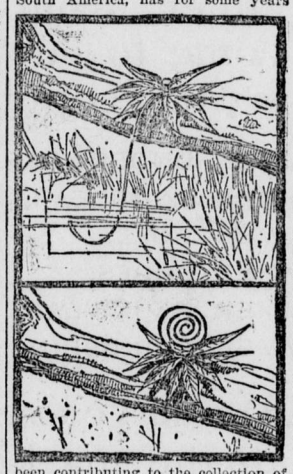
ATTENDANT IN A WHEAT HOSPITAL, SHOWING FACE PROTECTOR.

rubber, with holes in the sides, in which are placed small pieces of dampened sponge that absorb the dust as the workmen inhale the air. Over their eyes are worn a large pair of close-fitting glasses. With this head dress they look almost like divers.

It is said that wheat passing through this treatment is better for milling purposes than the normal wheat, from the fact that a part of the coat, which has to be removed in milling, is removed by the treatment. There is none of it used in the flour mills of this country, however, most of it being shipped to Europe and Eastern Canada.

Discovery of Extraordinary Plant.

What is probably the most extraordinary plant ever discovered has now been found by E. A. Suverkrop, of Philadelphia, who, during trips to South America, has for some years



been contributing to the collection of his friend, Professor N. E. Brown, of the Herbarium, Kew Gardens, London. The amazing plant which Mr. Suverkrop has now found is an orchid that takes a drink whenever it feels thirsty by letting down a tube into the water, the tube, when not in use, being coiled up on top of the plant.

"One hot afternoon," says Mr. Suverkrop, "I sat down under some brush wood at the side of a lagoon on the Rio de la Plata. Near at hand was a forest of dead shorn trees, which had actually been choked to death by orchids and climbing cacti. In front of me, and stretching over the water of the lagoon and about a foot above it, was a branch of one of these dead trees. Here and there clusters of common 'planta del ayre' grew on it, and a network of green cacti twined around it.

"Among the orchids I noted one different from the rest, the leaves, sharp lanceshead shaped, growing all round the root and radiating from it. From the centre or axis of the plant hung a long slender stem about one-eighth of an inch thick by one-fourth inch wide, the lower end of which was in the water to a depth of about four inches.

"I at once went over to examine my discovery. Imagine my surprise when I touched the plant to see this centre stem gradually contract and convulsively roll itself up in a spiral like a roll of tape.

"But more surprising yet was the object and construction of this stem. I found on close examination and dissection that it was a long slender flat tube, the walls about 1-32 of an inch thick, cellular in construction, open at the outer end and connected at the inner end to the roots by a series of hair like tubes.

"By subsequent observation I found that when the plant was in want of water this tube would gradually unwind till it dipped into the water. Then it would slowly coil round and wind up, carrying with it the amount of water that that part of the tube which had been immersed contained, until when the final coil was taken the water was dumped, as it were, direct into the roots of the plant. The coil remained in this position until the plant required more water. Should the plant, however, be touched while the tube is extended, the orchid acts like the sensitive plant (mimosa) and the coiling action is much more rapid.

"I found many of these plants, all directly over the water or over where the water had been. In the latter case it was almost pitiful to see how this tube would work its way over the ground in search of the water that was not."

Little Known About Morocco.

Nobody knows what the population of Morocco is. Estimates place it all the way from 2,500,000 to 9,400,000, says a correspondent of the New York Press. A large part of the country is totally unexplored. The French lately have gone in behind Morocco and extended the boundaries of Algiers, so as to take in the Tuat region, a chain of fertile oases through which run the caravan rotes. The Sultan has expostulated and is still expostulating, but with no effect so far as can be seen. Morocco is sometimes called the "sick man of the West," but those best informed believe that it is a pretty lively sick man.

England Fears Timber Famine.

If it were not for the foreign supplies England receives a timber famine would have overtaken the country long ago, because the home-grown supply has not been able to meet a tithe of the demand for long enough, and that only of inferior kinds of timber, says a British agricultural journal. If the foreign supply of fir alone was to fall off sensibly now the whole building trade of the country would come to a partial standstill and the wagon companies would be next to idle.

The steeple of the Cathedral of Antwerp, Belgium, is 476 feet in height, which makes it the highest church steeple in the world.

SOME STARTLING FACTS ABOUT THE VICE OF INTEMPERANCE.

The Worst Drink of All is Absinthe—It Will Produce the Same Evils as Alcohol and in Addition Will Kill Man's Conscience.

It is a great folly which induces man today to be indifferent to the healthy drinks which nature supplies. He turns his attention to manufacturing alcoholic drinks. He has thought to find alcohol a source of joy, a source of vigor. He has only found in it unhappiness, ruin, decreptitude and illness. It is not enough for man to lose his reason through alcohol. He wanted still further to do something to satisfy his worst instincts. He must have a sovereign liquor that would not only produce all the above results, but would also deprive him of his conscience. So he invented absinthe. Working people in the great towns, women of the people, the idle peasantry, are duped by this dreadful liquor. They are not aware what a Satanic poison they are imposing on their delicate brains. The moment they create such an appetite is a dark hour.

Who could possibly remember the acts of barbarism, the acts of fury created by the magic green liquor, which is filling the asylums? See, there, a man whose body is in a perpetual trembling condition. He has a good foot, a good eye, and he is enraged that he can no longer work. He is a drinker of absinthe.

See, again, another! Suddenly his face pales, he is covered with perspiration, he wears a frightened look. He has had a momentary unconsciousness and a sudden dizziness. In a moment he has lost consciousness of his surroundings. That man is an absinthe drinker. See a poor bricklayer lying on a stretcher. They are taking him to the hospital, where he quickly will die, leaving forever his wife and children. He has fallen from a scaffolding. A sudden unconsciousness caused him to lose his equilibrium. He is killed, caused through absinthe drinking.

Another instance! The people are terrified to see an unhappy man beating the earth, a victim of a violent attack. His tongue is bitten by his teeth. A bloody foam runs out of his mouth. His features are all distorted. He is an epileptic, and it is the work of absinthe.

See below in the court where there are a number of insensible persons. A man is seized with an indescribable despair. One Saturday in his holiday hour he had drunk frequent little sips of absinthe. On returning to his lodgings he was suddenly seized with a violent rage. He killed his wife and two children without having the least consciousness of what he was doing. He energetically denies that he did the deed to persons who know him. He knows nothing about it. The absinthe drinking made of this man a dangerous automaton.

See, again, this woman! She rocks the child in the cradle. Suddenly she is seized by the most terrible convulsions and ill treats the child. Ask the cause of this cruel treatment and we shall point to the fatal absinthe! It is a murderer. Dante in supposing the terrors he described did not know anything more terrible than this —Banner of Gold.

Are You Using Allen's Foot-Ease?
It is the only cure for Swollen, Smarting, Tired, Aching, Hot, Sweating Feet, Corns and Bunions. Ask for Allen's Foot-Ease, a powder to be shaken into the shoes. Cures while you walk. At all Druggists and Shoe Stores, 25c. Sample sent FREE. Address, Allen S. Olmsted, LeRoy, N. Y.

We pay in the neighborhood of $50,000,000 a year in taxes on sugar.

Headaches! Headaches!
There is no excuse for a headache; the Garfield Headache Powders cure them quickly and surely, and make one feel well; they never harm. Try them.

By the game laws of New Hampshire no individual is allowed to kill more than fifteen partridges in one day.

"Just What We Thought."

An exchange devoted to the liquor business quotes a prohibition paper as saying: "We are opposed to the free and unlimited coinage of drunkards," and adds: "So are we. And so is every decent, self-respecting liquor dealer." As every liquor dealer gives his whole time and energy to the making of drunkards it must follow that there is not a "decent, self-respecting" man among them. Well, that is just what we thought.—Pittsburg Christian Advocate.

Very Significant.

The London Daily Mail, in a recent article on the beer poisoning at Manchester, relating to a party of workmen in Nottinghamshire who were supplied with beer from the Manchester district, says: "The only man who escaped was a total abstainer."

King Bacchus and His Prime Minister.

Sir Wilfrid Lawson at a Band of Hope meeting said "Bacchus was the king of this country (Great Britain) and the brewer was his Prime Minister, and they had a lot of fellows going up and down the streets roaring 'Britons never shall be slaves,' though they are the slaves of the liquor power and send to Parliament anybody whom the liquor power tells them to send there. Well, after all these years of temperance work it was rather depressing, no doubt, but they all knew it was hard to twist and turn people who had grown up on one line. There was a saying that there was no fool like an old fool; he felt the truth of that as he got on. (Laughter.) But what did the Band of Hope do? It realized the difficulty, and it left the older people to be looked after by other organizations, and said it would do what it could to train up the children so that when they grew up they would set themselves and their country free from this curse. He remembered reading that in the days of the French Revolution in one of the French towns a lot of children used to go about waving a revolutionary banner and saying, 'Tremble, tyrants; we are growing up!' That was what they wanted the children to say, 'Tremble, brewers. We are growing up!' Ah, ah! they were trembling already. What did one of their great men say at a meeting not long since? Speaking of the bill to prevent children being served with liquor in the public houses he said: 'This will never do. They are destroying our future customers.' Ah! he often thought how much better the liquor men understood the temperance question than we do. The liquor men were right, for the Band of Hope wanted to teach the children to boycott the publicans. They must do something of that sort, for the publicans would not go on strike on their own accord. They heard of all kinds of strikes, but they never heard of a strike of the liquor men. If they would only go on strike for a month there would be a sort of temporary millennium."

Up to 1880 France had only private high schools for girls. Now there are 40 lyceums, supported by the state, and 28 by cities.

How He Scared the Tiger.

If not interfered with the tiger will generally run from rather than attack a man. A writer from India tells a story of how, having sent his guns and luncheon on before him, his attention was arrested by a rustle in the jungle, and, looking that way, he saw a tiger crouching low coming rapidly toward him. He says: "My first feeling was one of horror, for it seemed all up with me, the tiger being very close and in a rush. Of course, it was not me, but the pony that he wanted, but had he knocked out the latter his own fears at finding a man under him would have made him maul me, too. There was but one thing to be done, namely, to put a bold front on it and try to frighten him, and I, therefore, instantly wheeled the pony's head toward him, shouting at the same moment. The tiger stopped short and stared at me, but he did not offer to retreat. I then moved the pony toward him, shouting loudly as I did so, and the tiger then turned his tail to me, and, having retired about 30 yards, he sat bolt upright on his haunches and stared at me.

"I was naturally desirous of withdrawing from an interview so unpleasant to me in my unarmed condition. I therefore rode straight at the tiger, waving my arms and sternly ordering him off, and before I reached him he decided to move himself, this time somewhat hastily, in marked contrast to his previous orderly, not to say dignified, retreat, and, having at last routed him, I lost no time in cantering over the remaining portion of the jungle cart track until it emerged upon the high road." — Spokane Spokesman Review.

The building operations in April, 1901, in St. Louis are 25.57 per cent in excess of those of the same month of 1900.

PUTNAM'S FADELESS DYE produces the fastest and brightest colors of any known dye stuff. Sold by all druggists.

There are 4000 tons of stone in the pyramids of Cheops. It could be built for $20,000,000 to-day.

Some men are too lazy to even stand in their own light.

Massachusetts uses more postage stamps per capita of population than any other State in the Union.

FITS permanently cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. $2 trial bottle and treatise free Dr. R. H. KLINE, Ltd., 931 Arch St., Phila., Pa.

Dunvegan, the famous seat of the Macleods, is said to be the oldest inhabited private house in Scotland.

Mrs. Winslow's Soothing Syrup for children teething, soften the gums, reduces inflammation, allays pain, cures wind colic. 25c a bottle.

Even the bee in a bonnet may have a sting in its tail.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. SAMUEL, Ocean Grove, N. J., Feb. 17, 1900.

In baseball as in cookery the best batter takes the cake.

S. K. Coburn, Mgr. Clarie Scott, writes "I find Hall's Catarrh Cure a valuable remedy." Druggists sell it, 75c.

Poverty may be no disgrace, but it's mighty uncomfortable.

Garfield Headache Powders cannot be improved upon; they cure headaches quickly; they are not cathartic and do not in any way derange the system; they are harmless, pleasant to the taste and good for all.

A reasonable amount of egotism keeps a man from brooding too much over his neighbor's success.

The first United States coaling station on foreign soil has been completed at Pichalinqui, on the west coast of Mexico.

LION COFFEE

A LUXURY WITHIN THE REACH OF ALL.

In our Roasting Establishments we positively do not allow the use of Eggs, Egg Mixtures, Glue, Chemicals, or similar substances. LION COFFEE is an absolutely Pure Coffee.

Watch our next advertisement.

Just try a package of **LION COFFEE** and you will understand the reason of its popularity.

LION COFFEE is now used in millions of homes.

"WHEN PRESSING YOUR SUIT."

When pressing your suit with the favorite lady,—
The girl that you think you desire for a wife—
Choose a place that is quiet, secluded and shady,
For that's an important transaction in life.
Remember, though she may be charming and pretty,
Of face most enchanting, of figure most neat,
Should she not be well trained it would be a great pity
That you and your lady-love ever should meet.

In choosing a wife, my dear fellow, the best trick
Is, first, to consider her womanly gifts,
Her household acquirements—attainments domestic—
The sensible mind that all women uplifts.
Does she know how to cook? Is she able and active?
Does she use LION COFFEE—the purest of brands?
If so, then she surely will make home attractive,
And pleasant for you with her own loving hands.

LION COFFEE, you know, has no coating or glazing,
In millions of homes is its purity known;
Consumers are always its quality praising—
A flavor and fragrance entirely its own.
Sold in pound packages, outwardly bearing
LION on wrapper, and gift-list inside;
If for your future content you are caring
LION COFFEE you'll surely commend to your bride!

In every package of **LION COFFEE** you will find a fully illustrated and descriptive list. No housekeeper, in fact, no woman, man, boy or girl will fail to find in the list some article which will contribute to their happiness, comfort and convenience, and which they may have by simply cutting out a certain number of Lion Heads from the wrappers of our one pound sealed packages (which is the only form in which this excellent coffee is sold).

WOOLSON SPICE CO., TOLEDO, OHIO.

Piles Cured While You Sleep

You are costive, and nature is under a constant strain to relieve the condition. This causes a rush of blood to the rectum, and before long congested lumps appear, itching, painful, bleeding. Then you have piles. There are many kinds and many cures, but piles are not curable unless you assist nature in removing the cause. CASCARETS make effort easy, regulate and soften the stools, relieving the tension, and giving nature a chance to use her healing power. Piles, hemorrhoids, fistula, and other rectal troubles yield to the treatment, and Cascarets quickly and surely remove them forever. **Don't be persuaded to experiment with anything else!**

Atchison Globe.

"I suffered the tortures of the damned with protruding piles brought on by constipation with which I was afflicted for twenty years. I ran across your CASCARETS in the town of Newell, Ia., and never found anything to equal them. To-day I am entirely free from piles and feel like a new man." C. H. KEITZ, 1411 Jones St., Sioux City, Ia.

Woman's Long Suit.

"Man was made to ..." mused the

Cascarets

BEST FOR BOWELS AND LIVER.

THEY WORK WHILE YOU SLEEP

THIS IS CCC THE TABLET

10c. 25c. 50c.

NEVER SOLD IN BULK.

DRUGGISTS

GUARANTEED TO CURE all bowel troubles, appendicitis, biliousness, bad breath, bad blood, wind on the stomach, bloated bowels, foul mouth, headache, indigestion, pimples, pains after eating, liver trouble, sallow complexion and dizziness. When your bowels don't move regularly you are getting sick. Constipation kills more people than all other diseases together. It is a starter for the chronic ailments and long years of suffering that come afterwards. No matter what ails you, start taking CASCARETS today, for you will never get well and be well all the time until you put your bowels right. Take our advice; start with CASCARETS today, under an absolute guarantee to cure or money refunded. 459

GUARANTEED TO CURE: Five years ago the first box of CASCARETS was sold. Now it is over six million boxes a year, greater than any similar medicine in the world. This is absolute proof of great merit, and our best testimonial. We have faith, and will sell CASCARETS absolutely guaranteed to cure or money refunded. Go buy today, two 50c boxes, give them a fair, honest trial, as per simple directions, and if you are not satisfied after using one 50c box, return the unused 50c box and the empty box to us by mail, or the druggist from whom you purchased it, and get your money back for both boxes. Take our advice—no matter what ails you—start today. Health will quickly follow and you will bless the day you first started the use of CASCARETS. Book free by mail. Add: STERLING REMEDY CO., New York or Chicago.