

**SCIENTIFIC HOG KILLING.**

**Not Even a Squeal Wasted.**

It used to be stated that the business of slaughtering pigs was done with such neatness and dispatch that nothing except the squeal was wasted; now, however, modern packing house economy has advanced to such an extent that even the squeal of the dying pig need no longer be lost, if any one chooses to invoke the aid of Mr. Edison's phonograph to preserve it. However, all jesting aside, very few people have any idea what rigid economy is practised at the great slaughtering plants in Chicago. Scientific men are constantly cudgeling their brains to devise valuable chemical properties and new compounds in materials heretofore wasted or imperfectly utilized.

The cross roads butcher who kills a few animals a week, throwing away a large part of the offal, must make a large profit on the meat sold, but modern utilization of by-products makes it so the slaughterer who does business on a large scale could much better afford to sell the meat without profit than to waste what the old-fashioned small butcher could not utilize.

The stomachs of hogs, instead of being sent to the rendering tanks, are now used for the manufacture of pepsin.

Pigs' feet, cattle feet, hide clippings and the pith of horns, as well as some of the bones, are used for the manufacture of glue.

The paunches of the cattle are cleaned and made into tripe.

The choicer parts of the fat from cattle are utilized for the manufacture of oleo oil, which is a constituent of butterine; and for stearine.

Large quantities of the best of the leaf lard are also used for the manufacture of what is known as "neutral," also a constituent of butterine.

The intestines are used for sausage casings; the bladders are used to pack putty in.

The undigested food in the cattle stomachs is pressed and used for fuel.

The long ends of the tails of cattle are sold to mattress makers.

The horns and hoofs are carefully preserved and sold to the manufacturers of combs, buttons, etc.

Many of the large white hoofs go to China, where they are made into jewelry.

All of the blood is carefully preserved, coagulated by cooking with steam, then pressed and dried and sold to fertilizer manufacturers.

All of the scrap from rendering operations is carefully preserved and dried and sold for fertilizers.

Bones are dried, and either ground into bone meal or used for the manufacture of bone charcoal, which is afterwards utilized for refining sugar and in some other refining processes.

**Through a Dark Glass.**

It is, indeed, no simple task to find out what is true and assert it with confidence. There are, of course, a vast number of subjects on which it is impossible to speak with assurance, since there are so many things that are beyond human ken—more things in heaven and on earth than are dreamed of in our philosophy. If we have not studied science or philosophy we are certainly not competent to make philosophical or scientific statements, and the temptation to do this is one of the dangers of a little learning. In the same way it is quite impossible for us to pronounce with any degree of accuracy with regard to the professions we have never practised, with the trades we have never been taught and the occupations in which we have no skill. In fact there is so much knowledge outside of our heads that the subjects are comparatively few upon which even the best informed can speak with authority. Still less can we know the truth about the people whom we so often make the subjects of our conversation and upon whom we are not slow to pronounce the most solemn and serious opinions. We see only a fraction of their deeds and are entirely unable to discern their motives, yet we set them down for good or bad as cavalierly as if their entire being were laid open before us. Even what we do see is only as in a glass, darkly, and our judgments are liable to be defective. This is readily discernible in the different versions given by different persons about the same occurrence.

Then there is much which however true needs not to be spoken. It may do harm instead of good. Indeed its tendency is always in the former direction and it is every day hurting the feelings or injuring the reputation of some one. The strictures in the matter of expression are necessarily so severe that no trust can be reposed in anyone who has not the power to control his speech. It is a very ingenious phrase which asserts that language is only utilized to disguise thought and it is to be regretted that it is this view of the matter which most generally prevails. Silence is certainly golden; but not on all occasions, for there are many cases in which it would be cowardly and even criminal to refrain from speaking. It can even be made more effectual in conveying a false impression than a positive truth. It may be thought that this caution in speaking would destroy all spontaneity of utterance and render conversation an entirely prosy and utterly unsatisfactory affair. Doubtless it would do so if the principles involved were to be accepted in a purely literal sense. Indeed there are many persons now whose consciences are so warped by a literal idea of the truth that they do not hesitate to create a false impression on the mind of another if they can do so by maintaining a verbal accuracy. They do not see that words are valueless except for their intended meaning, and that it is only the spirit of truth that contains the real truth and the spirit of deception that constitutes the real deceit. This spirit of truth however, requires the exercise of thought and judgment. It can never be associated with mental indolence or intellectual depravity. Bacon, the great philosopher, makes truth-telling demand strength of mind, wisdom and discrimination. He gives the sum of the argument in these few words: "It asketh a strong wit and a strong heart to know when to tell truth and to do it; therefore, it is the weakest kind of people that are the greatest dissemblers."

In Vienna the servant girl is not permitted to climb out on the window sill to clean windows without a safety belt and rope attached to it which fastens to the building, so that in case she should slip or lose her balance she is suspended in safety, and can be drawn back into the window.

**A TERRIBLE EXPERIENCE.**

**EIGHT LONG YEARS OF PAIN AND SUFFERING.**

**A Well Known Goderich Lady Restored to Health and Strength After Physicians Had Failed—Gives Her Experience for the Public Good.**

From the Goderich Signal.  
The marvellous change which has taken place in the physical condition of Mrs. Culloden Fraser, Britannia street, during the past twelve months has been the chief topic of conversation among her many friends and acquaintances of late, and to all who know of the terrible manner in which she has been afflicted, her lifting up appears to have been little short of miraculous. Mrs. Fraser has a wide circle of acquaintances in Goderich and vicinity, having resided in this town for over thirty years—ever since her husband, who was a merchant in Bayfield, retired from business and located here. Having heard of the wonderful change that had been brought about in her physical condition, a representative of The Signal called upon Mrs. Fraser at her pleasant home to congratulate her on the improved state of her health, and to find out in what manner the happy change had been effected. He was graciously received and the following statement was voluntarily given by Mrs. Fraser:

"It is now over eight years since one morning as I was performing ablutions, and when passing my hand over my face, I experienced a pain on the cheek similar to that which is felt when a thorn which has penetrated the flesh is touched. The pain continued after that and appeared to move all over my face and head. From the cheek it went to the upper lip, then to the lower lip, then to the forehead and head and then to the eyes. So intense was the agony which I suffered that I was unable to touch my hair and eyebrows, and my eyes felt like veritable balls of fire. My gums were so affected that I was unable to masticate my food, and as a result I suffered greatly from lack of nourishment. My face became so contracted from the effects of the pain that my best friends could hardly recognize me, and the only relief I could get was from chloral and the use of opiates. Finally my local physician, who had been tireless in his efforts to help me, said he could do nothing further for me, and my case seemed utterly hopeless. I then went to Clinton and consulted one of the most skilled practitioners in that town, who diagnosed my case and said he could recommend no treatment that would benefit me. I came home utterly broken down and not knowing what to do, I had read in the newspapers of the marvellous results accomplished by the use of Dr. Williams' Pink Pills, but as I had never placed much confidence in proprietary medicines so widely advertised, and had relied more on the methods of skilled practitioners, I had not given the matter of using them much thought. As a last resort, however, I determined to give Pink Pills a trial, and had two boxes purchased at the drugstore of James Wilson. From the first box I cannot say that I experienced any noticeable benefit but by the time I was half through with the second box I knew I was mending rapidly, as the terrible pains had ceased, to a great extent, and I had begun to feel more like my former self. That was last fall, and when my friends heard that I was recovering they began to drop in rapidly and congratulate me. As a result of the excitement consequent upon the fact that sometimes as many as ten or a dozen would come in to see me during the course of a day, I had a relapse—a return of the old pains—but I continued to take Pink Pills, and am pleased to say that I gradually got back to my normal condition, in which I am to-day. This summer, since August, I have been entirely free from the malady, which has never been the case during the previous seven summers, but I occasionally take the Pink Pills, as my doctor advises me that it is well, as a ward off the disease. I attribute the marked improvement in my health solely to the use of Dr. Williams' Pink Pills, and have not failed to recommend their use to many of my friends who have made enquiry as to the benefit derived by me from them."

In conversation with Jas. Wilson, druggist, it was learned that Dr. Williams' Pink Pills have a very large sale in Goderich, and that many can testify to their great value as a blood builder and nerve tonic. Mr. Geo. A. Fear, druggist, also speaks highly of the results attained by the use of Pink Pills among his customers, and says he finds them the best selling remedy in his store.

Such remarkable cures as that of Mrs. Fraser have been but too few in the past. Thanks to the better knowledge that the people are obtaining of Dr. Williams' Pink Pills they are now becoming more numerous.

This medicine contains in a condensed form all the elements necessary to give new life and richness to the blood, and restore shattered nerves. They are an unfailing specific for such diseases as locomotor ataxia, partial paralysis, St. Vitus' dance, sciatica, neuralgia, rheumatism, nervous headache, the after effects of the grippe, palpitation of the heart, pale and sallow complexions, that tired feeling resulting from nervous prostration, all diseases depending upon vitiated humors in the blood, such as scrofula, chronic erysipelas, etc. They are also a specific for troubles peculiar to females, such as suppressions, irregularities, and all forms of weakness. In men they effect a radical cure in all cases arising from mental worry, overwork, or excesses of whatever nature.

Dr. Williams' Pink Pills are sold only in boxes bearing the firm's trade mark. They are never sold in bulk, or by the dozen or hundred, and any dealer who offers substitutes in this form should be avoided. The public are also cautioned against other so-called blood builders and nerve tonics, put up in a similar form intended to deceive. Ask your dealer for Dr. Williams' Pink Pills for Pale People and refuse all imitations and substitutes.

These pills are manufactured by the Dr. Williams Medicine Co., Brockville, Ont., and Schenectady, N. Y., and may be had of all druggists or direct by mail from Dr. Williams' Medicine Co. from either address at 50 cents or six boxes for \$2.50.

What every one says must be true, and every one who has used Wide Awake Soap says it is the best they ever used. Try it.

The Siamese instruments of torture are made in England, and bear the trademark of a prominent Birmingham firm.

**A Laughable Mistake.**

Two ladies entered a book-store recently and the younger asked the clerk for a book called "Favorite Prescription." The puzzled attendant was unable to comply with her request and she left the store disappointed. Inquiry elicited the fact that she had overheard a conversation between two literary ladies in which "Favorite Prescription" was mentioned with extravagant praise, and had jumped to the conclusion that it was a book. She now knows that Dr. Pierce's Favorite Prescription is a sovereign cure for the ills and "weaknesses" peculiar to women, for she has been cured by its use.

It is the only medicine of its class, sold by druggists, under a positive guarantee that it will cure in all cases of disease for which it is recommended, or money paid for it will be promptly refunded.

Dr. Pierce's Pellets cure permanently constipation, sick headache, biliousness, indigestion and kindred ailments.

In St. Petersburg no outdoor musical performances are permitted.

**Corn Sowing**

Is a process conducted by the agency or tight boots all the year round. Corn reaping is best conducted through the agency of Putnam's Painless Corn Extractor, the only safe and sure-pop corn cure. Putnam's Extractor is now widely imitated. Beware of all poisonous and sore producing substitutes; they are dangerous to use and are sold simply because they afford the dealer larger profit.

Mark Twain is fond of cats, and has one named Satan, another called Sin.

Use Wide Awake Soap, it is the best in the world.

Samuel Clarke was fond of robust exercise, and was sometimes seen jumping over his chairs and tables.

Schiller's Sarsaparilla Pills act directly on the kidneys and by stimulating their action and purifying the blood they help the system to throw off disease. A chemical analysis, after taking these pills, will show a marked falling off of albumen in the urine of those suffering from kidney trouble. Price 50 cents a box, six boxes for \$2.50 by addressing H.K. Schiller & Co., 73 Adelaide St. West, Toronto.

**SCIENCE DUMFONDED.**

**A Cure at Last for That Terrible Disease, Sciatica—A Sufferer From Rheumatism Healed.**

A very interesting case from a medical standpoint is that of Josiah Henderson, of Markham street, Toronto. Mr. Henderson's story is this:—Seven years ago he was employed lumbering in the Parry Sound district. Last spring he was rafting and river driving, and the wet weather and the constant soakings he got in the river proved too much for his system and acute rheumatism set in. For the remainder of the year he was hardly able to stir out of bed. His joints were swollen and inflamed, and the pain he suffered was frightful. One moment his arm would be tortured, then the pain would shift to his chest, another time it would be his legs. The doctors did all they possibly could for him, but to very little purpose. Finally the disease settled in his right thigh and lamed him. The doctors said he had sciatica, and he was unable to move about without the aid of a crutch. Every spring he suffered from an attack of acute rheumatism and often had to be confined to his bed. This spring he had an unusually severe attack. Some of his friends advised him to try a remedy that has been effecting some wonderful cures for rheumatism, called Schiller's Sarsaparilla Pills. He took the one box and noticed a marked improvement. The intermitting pains across his chest and in his limbs left him, with the second box, and after taking six boxes the pain left his leg and for the first time in seven years he has been able to go about without the aid of a stick or crutch. He says Schiller's Sarsaparilla Pills have completely cured sciatica and rheumatism in his case, although the doctors said he could not be cured. Several of his friends have been taking the remedy for rheumatism with wonderful effects. Sold by all druggists or sent post-paid at 50c per box, six boxes for \$2.50 by addressing H. K. Schiller & Co., 73 Adelaide St. West, Toronto.

**TAKE THE BEST**

**CURE THAT COUGH WITH SHILOH'S CURE**

25cts., 50cts., and \$1.00 Bottle. One cent a dose.

It is sold on a guarantee by all druggists. It cures Croup, Consumption and is the best Cough and Croup Cure.

**THE STAMMERER.**

The official organ of Church's Auto-Voice School for the cure of Stammering, Toronto Canada, sent free post-paid.

**AGENTS WANTED.**

Agents wanted, male and female, to sell our new Little Giant, a new and improved fire extinguisher. Also our Great, Cheap and Perfectly Reliable, Carriage and Harness. No capital required. Easy sellers, big profits. CLAUDE HERRICK CO. Lock Box 274, Toronto, Ont.

**CANVASSERS WANTED for the Farmer's Friend and Account Book.**

Separate accounts for all farm transactions, etc. One agent has already sold nearly 400 copies in one county. Send for circulars and terms. WILLIAM BRIGGS, Publisher, Toronto.

**NURSERYMEN! DEALERS!**

PLUM TREES, all on plum stock, 2 and 3 years. Largest stock in Canada, well furnished and first-class. Also a few cars left of those celebrated Red Globe Danvers Onion, none better grown. H. S. HURD, Halton Nurseries Burlington, Ont.

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**DR. TAFT'S ASTHMATIC CURES**

so that you need not sit up all night gasping for breath for fear of suffocation. On receipt of name and P. O. address will mail TRIAL BOTTLE FREE. DR. TAFT BROS. MEDICINE CO., Rochester, N. Y. Toronto Branch 186 Adelaide St. W. Use Dr. Taft's White Pine Syrup for Cold

**EAST LAKE METALLIC ROOFING CO. TORONTO**

ILLUSTRATED CATALOGUE OF STEEL SHINGLES

**Wide Awake Soap will do more washing than any other soap in the world. Try it.**

In Australia horsehoes are now made of cowhide instead of iron.

**Nerve Pain Cure**

Polson's Nerviline cures flatulence, chills and spasms. Nerviline cures vomiting, diarrhoea, cholera, and dysentery. Nerviline cures headache, sea sickness and summer complaint. Nerviline cures neuralgia, toothache, lumbago and sciatica. Nerviline cures sprains, bruises, cuts, &c. Polson's Nerviline is the best remedy in the world, and only costs 10 and 25 cents to try it. Sample and large bottles at any drug store Try Polson's Nerviline.

A certain Chinese sect teaches that women who become vegetarians will be transformed into men in the great hereafter.

Do you use Wide Awake Soap? If not why not? It is guaranteed absolutely pure and is the best in the world.

Research shows that there is not a particle of vegetation in the eastern part of the North Sea. It is one great watery waste.

**RECIPE**

**For Making Root Beer**  
During the summer months a more delicious drink than Root Beer could not be desired. For the benefit of our readers we give this recipe. Take

Snider's Root Beer Extract one bottle  
Yeast half a cake  
Sugar 4 lbs.  
Luke Warm Water 5 gallons

Dissolve the sugar and yeast in the water, add the extract, and bottle, place in a warm place for twenty-four hours until it ferments, then place on ice, when it will open sparkling and delicious.

The Root Beer Extract can be obtained at all Grocers' and Drug Stores, at 25c. per bottle.

In 1821 Great Britain had 3,572,000 houses, whose rental value was £20,000,000; now there are 7,100,000 houses; rental value, £134,700,000.

Wide Awake Soap is a solid bar of pure soap that will not vanish like snow in hot water. Try it.

Mrs. Mackay, the Silver King's wife, has perhaps the finest jewels in the world. She has a sapphire worth \$150,000, and a pair of lotions valued at \$425,000.

**A Toronto Coroner's Verdict.**

Dr. W. A. Young, Coroner, 145 College St., Toronto, writes that he has used St. Leon Water very largely in his private practice, and can endorse it as one of the best saline waters at present on the market and positively curative in its effects. Sold by all principal druggists, grocers and hotels.

Nearly as much fish is said to be eaten in London as meat.

Good morning, Mrs. Smith, I have just finished my washing using Wide Awake Soap; it is the best soap I ever used. It washed so easily, making the clothes far cleaner than I ever had them before, and it lasts twice as long as any other soap I ever used; and just feel how nice and soft my hands are.

A. P. 706

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NO USE Denying there is no Remedy the equal of St. JACOBS OIL for the Prompt and Permanent Cure of Pains and Aches

NO! NO! NO!  
You need n't go to Florida, but take SCOTT'S EMULSION Of Pure Norwegian Cod Liver Oil and Hypophosphites. It will STRENGTHEN WEAK LUNGS, STOP THE COUGH, AND CHECK all WASTING DISEASES. A remarkable flesh producer and it is almost as Palatable as Milk. Be sure to get the genuine put up in salmon-colored wrappers. Prepared only by Scott & Bowne, Belleville.

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Cheapest Portable Engines Up to 25 Horse Power.  
Waterous, Brantford, Canada

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CONDOR'S IMPROVED CARRIAGE TORS  
Have all the latest improvements. Be sure and get one for your buggy. They are better than ever for 1891.

**MILLER'S TICK DESTROYER**  
It cures promptly and effectually in the straw ing Ticks and other vermin pests, as well as in eradicating all affections of the skin to which Sheep are subject. No Sheep-owner should be without it. As a certain cure it has hitherto proved infallible. Price 35 cents, 70 cents and \$1 per Box. A 35 cent box will clear about 20 sheep. Sold by all druggists. HUGH MILLER & CO. Manufacturers, Toronto

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Aermotor Feed Cutter,  
FOR **\$15** CASH

to any regular subscriber of this paper. See conditions in ad- vertisement No. 1, some weeks past.  
**\$40** 20 INCH  
Circular Saw and Swing Steel Frame,  
FOR **\$15** CASH

to any regular subscriber of this paper as per advertisement No. 2 and 3 in this series. Other extravagant offers will be made hereafter. The Aermotor Co. will distribute  
**\$500**

IN CASH, IN PRIZES for the best essays written by the wife, son or daughter of a user of a wind-mill, answering the question "WHY SHOULD I USE AN AERMOTOR?" For conditions of competition and amounts and numbers of prizes send for particulars to the Aermotor Co., Chicago, or to its branches, at San Francisco, Kansas City, Lincoln, Rock City, Ia., Minneapolis, Buffalo, Park Place, New York City or No. 55 York City. Prizes must be paid in cash. Correspondence preferred in English or German. All prizes guaranteed. Completion.

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They give perfect satisfaction in fit style, and finish, and it has become by-word that "GRANBY RUBBERS wear like Iron"