

IF WE COULD EXCEL THE ANIMALS EVEN SCIENTISTS GET HELP FROM SPIDERS.

Many of Nature's Products Cannot be Imitated by Human Beings.

Man—vain man—is prone to boast of his prowess, but in many respects the lower orders of the kingdom to which he belongs are immeasurably more wonderful than he is.

Can he jump as well, in proportion to size, as the despised cricket, which can spring from the ground on to a kitchen table? If he could, he would be able to hop over the highest building in the country.

If, again, he had a memory as tenacious in proportion as that of the ant, he would never forget anything. And what would man do without innumerable animal products? Can he, with all his machinery, make a thread as strong and elastic as silk? Can he manufacture a thread as fine, strong, elastic, light and durable as that of the spider's web? No.

It is for such qualities that astronomers use this exquisite thread in preference to all others, metallic or vegetable. They stretch it across the field of view of their telescopes, where it performs an important function. When one of those instruments is directed towards a star, the image of the body is a minute point of light. As soon as the point coincides with the intersection of two central spider lines the instrument is properly sighted.

The aid of the spider has also to be called in when the filar micrometer is used, because here, too, the astronomer must have the utmost nicety.

Baffled the Inventors.
Again, the shoemaker's boast, "Nothing like leather," is as true now as ever it was. The beautifully soft and elastic down which we get from the elder duck has also completely baffled inventors, who cannot produce anything to equal it.

Ivory, mother-of-pearl, sponge—these are other products which man cannot possibly imitate. For some purposes ivory, in particular, has held its own since it was brought from Tarshish by King Solomon's ships. What, again, of certain substances derived from the whale? For hundreds of years there was no substitute for baleen (consisting of a substance as whalebone), which we got from the Greenland whale, a single catch yielding from 1,000 lb. to more than 3,000 lb. The average price of the commodity for ten years was \$12,600 a ton. But we are not so dependent on baleen as we were, though for certain purposes it is still without a rival.

Ambergris, however, is even yet unequalled by anything made by man. A secretion of the whale, it is usually found floating in masses on the sea, and in this country it is now used solely for adding to the strength of perfumes, a single lump sometimes fetching \$5,000 or more.

Our Debt to the Snail.
A product obtained from a very different creature—the snail—stands alone in its own particular sphere. It is a gelatinous substance contained in a small, whitish bladder at the extremity of the snail's body—a substance which has such remarkable adhesive properties that it surpasses glue, cement, etc., for joining some materials. One other industrial marvel must be noted. For nearly four centuries we have derived our scarlet dye, as well as our colors scarlet and carmine, from the dried bodies of a tiny insect, the cochineal. It is so small that about 70,000 make one pound of cochineal as imported.

The Stuff That Counts.
The test of a man is the fight he makes.
The grit that he daily shows;
The way he stands on his feet and takes
Fate's numerous bumps and blows.
A coward can smile when there's naught to fear,
When nothing his progress bars,
But it takes a man to stand up and cheer
While some other fellow "stars."
It isn't the victory, after all,
But the fight that a brother makes;
The man who, driven against the wall,
Still stands up erect and takes
The blows of fate with his head held high,
Bleeding and bruised, and pale,
Is the man who'll win in the by and by,
For he isn't afraid to fail.
It's the bumps you get, and the jolts you get,
And the shocks that your courage stands,
The hours of sorrow and vain regret,
The prize that escapes your hands,
That test your mettle and prove your worth;
It isn't the blows you deal,
But the blows you take on the good old earth
That shows if your stuff is real.
To remove rust from steel fire-irons,
First rub them with a piece of flannel
saturated with ammonia. Then dry
with powdered bathbrick and polish
with a dry cloth.

AUTO SPARE PARTS
for most makes and models of cars.
Your old, broken or worn-out parts
replaced. Write or wire us describing
what you want. We carry the
largest and most complete stock in
Canada of slightly used or new parts
and automobile equipment. We ship
C.O.D. anywhere in Canada. Satisfac-
tory or refund in full our motto.
Shaw's Auto Salvage Part Supply,
822-921, Duferin St., Toronto, Ont.

New C.P.O.S. Liner.

The Empress of Canada, a twin screw geared turbine oil burning passenger liner, built to the order of the Canadian Pacific Ocean Services, Limited, especially for their trans-Pacific service, was recently launched at the yards of the Fairfield Ship Building & Engineering Co., Limited, Govan, Scotland.

The christening ceremony, which was performed by Mrs. G. M. Bosworth, the wife of the chairman of the Canadian Pacific Ocean Services, Limited, went through without a hitch. The ship is 653 ft. long, 77 ft. 9 in. wide and has a depth to the bridge deck of 53 ft. 6 in. Her gross tonnage is about 22,000 tons, and she is arranged to carry about 490 first class, 106 second class, 238 third class passengers, and 547 of a crew. Of the cargo spaces, a large portion has been fitted for the carriage of silk. The ocean speed is about 21 knots. The vessel is built to the highest class of Lloyd's register, to full Board of Trade requirements and sub-divided in full accordance with the requirements of the Bulkhead convention.

A complete system of telephones with a central exchange is fitted to the special and private suites and various offices, etc.
The dining saloon is on the upper deck and will accommodate 325 persons, a large reception room is situated forward of the dining saloon with passenger elevator at the fore end; on this deck also is a swimming pool 30 ft. long by 15 ft. wide, and a gymnasium.

Throughout the vessel special attention is everywhere given to the fact that the Empress of Canada is to serve in semi-tropical climate; public rooms are therefore large and airy and the ventilation amply arranged. The maiden voyage of the Empress of Canada will be a tour of the world, starting from Liverpool, March 15, 1921.

Breaking the News Gently.
In our opinion, says the Kansas City Times, this Highville soldier deserves the medal for breaking bad news. His letter said:

"How is everyone at home? I am fine and dandy. Say, mother, you ought to have seen my new bed last night. It was one of the nicest white iron beds, with springs, mattresses, sheets, blankets and a soft pillow. It was in a hospital, where I am now. The front is the only place I see any fun now. As I haven't been paid for six months, I am happy back."

The best type of swine have been evolved from the experience of breeders and packers.

Minard's Liniment For Dandruff.

Frocks You Can Make Yourself



Embroidery Design No. 78
9642—Ladies' Dress, Price, 35 cents.
In 7 sizes, 34 to 46 ins. bust measure.
Size 36 requires 3 1/2 yds. 54 ins. wide.
Width, 1 1/2 yds.
9636—Ladies' Dress (37 or 35-inch length). Price, 35 cents. In 7 sizes, 34 to 46 ins. bust measure. Size 36 requires 3 1/2 yds. 42 ins. wide; pleated sections, 1 1/2 yds. 36 ins. Width, 2 1/2 yds.
McCall Transfer Design No. 1044.
Price, 25 cents.
These patterns may be obtained at your local McCall dealer, or from the McCall Co., 70 Bond Street, Toronto, Dept. W.

The Blended Flavors
of wheat and malted barley, fully developed by twenty hours' baking make
Grape-Nuts
The Ideal Cereal
Ideal not only from a taste standpoint but because of easy digestibility, full nourishing worth, economy and ease of service.
At Grocers Everywhere

Long Thumb—Strong Will.

If the top joint of your thumb is long, it shows that you have good will power. Well-developed, reasoning faculties are possessed by those people who have thumbs, the second joints of which are long.

Thumbs that work easily are owned by careless, happy-go-lucky, spendthrift individuals. A stiff, firm-jointed thumb, however, shows that the person is keen, "bustled," self-possessed, and cautious—the sort of man who will get on in the world.

CHILDHOOD INDIGESTION

Nothing is more common in childhood than indigestion. Nothing is more dangerous to proper growth, more weakening to the constitution or more likely to pave the way to dangerous diseases. Fully nine-tenths of all the minor ills of childhood have their root in indigestion. There is no medicine for the little ones to equal Baby's Own Tablets in relieving this trouble. They have proved of benefit in thousands of homes. Concerning them Mrs. Jos. Lunette, Immaculate Conception, Que., writes: "My baby was a great sufferer from indigestion, but the Tablets soon set her right, and now I would not be without them." Baby's Own Tablets are sold by medicine dealers or by mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

Peaceful Autumn.

Golden-rod waving in veiled air;
Michaelmas daisies, too, so fair.
Peaceful Autumn,
Peaceful Autumn.

A glance doth prove all Nature's work-
ing.

Not a leaf its task is shirking.
In late blossoms bees are lurking.
Peaceful Autumn,
Peaceful Autumn.

Forewarn'd by the receding sun,
The birds' long journey's have begun.
Peaceful Autumn,
Peaceful Autumn.

Granaries are overflowing,
Golden pumpkins, moon-like, glowing;
Near the river cottons lowing.
Peaceful Autumn,
Peaceful Autumn.

Drawing his bow across his wings,
The lively music master sings.
Peaceful Autumn,
Peaceful Autumn.

Flaming maples, beauty giving,
Voices of all creatures living,
Join in chorus of Thanksgiving.
Peaceful Autumn,
Peaceful Autumn.

Your Promised Land.
Mebbe we ain't all in clover,
But we're goin' to play our part;
Got so much for to say grace over,
Dunno where to start!
It's a fine old world,
Where the blessings fall,
Till you can't get 'round 'em
To count 'em all!

Crystals of sodium nitrate made by a Paris scientist are so pure they can be used in optical instruments.

Jack Tar's Jargon.

As good as anything new comes into the lives of our sailors they at once find a nickname for it, says a London weekly. Thus, when wireless came, its operators were immediately dubbed "Sparks" by the entire Navy.

Weird and strange is the vocabulary of our sea dogs. Almost any words seem to serve—provided they have no apparent relation to the thing referred to. A soldier is a "grubby" or "leath-erneck." But a "soldier's wind" means nothing military—it is merely a fair breeze.

A marine calls his bluejacket pal a "flatfoot," in return for which he is hailed as "Joey." The ship's cook is "slushy," and an artificer is "chippy chap." Even the chaplain does not escape. He is the "devil dodger."

A grumbler "flogs the cat," while a bad-tempered man "lies under the truck." A "schooner on the rocks" isn't as ominous as it sounds—it is just a pan of vegetables, while preserved meat is "Fanny Adams." A "fanny," however, is a lot of rum.

A funny man is "Cuts," and a storyteller is "Tom Pepper." "Gold dust," of course, is the paymaster, though the less respectful call him "Pusser" and "Paybob." The commander is the "bloke."

A "holiday" isn't a good time, it is a gap left in the clothesline when washed garments are hung up to dry. A "handy billy" is a small pulley; and the "bulldog" drive the ship. The order "Haul away handsomely!" does not mean pull hard, but pull slowly and carefully.

A gunner is "Bue lights," because he is responsible for the "fireworks." The master-at-arms is "Jaunty," a ship's corporal a "crusher," a petty officer is "Tanky."

"Sailors are 'mattoes,'" and "Andrew is the Navy."

FREQUENT HEADACHES A DANGER SIGNAL

The Victim Nearly Always Suf-
fers From Weak, Watery
Blood.

There are few ailments that cause more genuine misery than nervous or sick headaches. Only those who have endured the suffering, sometimes for days at a stretch, can realize the agony of the victims. Noises increase the pain; food is unthought of, for it only adds to the distress. When the attack is on there is little to be done until it passes away. These headaches are nearly always a danger signal that too frequently pass unheeded. They are the symptoms of many maladies, such as anaemia, constipation, indigestion, and when these are cured the headaches permanently disappear. Headaches are more often a sign of weak, watery blood than anything else, and the most successful treatment, therefore, is a remedy that will rebuild the blood and make it rich and red. This can best be done through a fair course of Dr. Williams' Pink Pills, which has a special action on the blood, and through the blood on the nerves. In this way Dr. Williams' Pink Pills have been found invaluable in a wide range of diseases due to poor, watery blood, such as anaemia, rheumatism, indigestion, after effects of influenza, neuritis, etc. The effectiveness of this tonic treatment is illustrated in the following case: Mrs. Geo. Arn, R.R. No. 6, Simcoe, Ont., says: "Some years ago my daughter, then a young girl of eleven, became very much run down and nervous. She was troubled greatly with sick headaches, and frequently with vomiting spells, and although we lived just across the road from the school, she was not able to attend. She was taking medicine all the time, but it did not seem to do her any good. I had often read of Dr. Williams' Pink Pills, and finally decided to give them to her. By the time she had taken two boxes she seemed much better, and before the fifth box was finished, she was again in the best of health and has always since enjoyed the best of health. I am satisfied it was Dr. Williams' Pink Pills that restored her, and I have since seen equally good results in other cases."

You can get Dr. Williams' Pink Pills through any dealer in medicine or by mail at 50 cents a box or six boxes for \$2.50 from The Dr. Williams' Medicine Co., Brockville, Ont.

That Grievance.

Have you got a grievance? We most of us have; yet harboring a grievance is one of the most foolish forms of hoarding.

Women usually have a great many more grievances than men. They are more introspective, also more intuitive. They feel even the slightest they cannot see. Men are more frank with one another. If they are annoyed they say so; women sometimes smile, even when they feel very hurt.

It is a well-known fact that many women-run concerns—including clubs—break down owing to disagreements among the ladies. Women take offence, and as has been said already, they do not always show it, but they nurse a grievance, until it becomes a bitter sense of wrong and a heavy mind burden.

Now, why shouldn't we have any grievances? It's wrong and un-Christian, of course, but never mind that for the minute; we must avoid them out of expediency. They will hurt us far more than the person against whom we feel aggrieved.

I have a relation—the most of us have—who almost always has a "quar-



It's the stropping that counts!
Any razor is soon ruined by unskilled stropping. There is one and one only razor that sharpens itself—the AutoStrop Razor. You can't stop it wrongly—just slip the strop through the frame and a few strokes to and fro will renew the blade edge.

Any dealer will demonstrate the AutoStrop Razor to you, guarantee satisfaction, or refund of purchase price.

Only \$5.00
complete with strop and twelve blades in an attractive assortment of cases to suit any purpose.

AutoStrop Safety Razor Co., Limited
AutoStrop Building, Toronto, Canada

201

rel" on with some member of the family. Someone has not invited her, or they have slighted her, or done or left undone something, and she seizes upon it, and has a "grievance." This grievance she carefully nurses until it becomes a full-grown child of real unhappiness.

It's a nasty, spoilt child, too, and she always brings it with her when she comes to call, and lets it annoy you while she shows it off.

Of course, we can all make grievances. They are easily made—you needn't work overtime to get them. You only want a great sense of your own importance, much conceit, a narrow outlook, and a thorough want of sympathy with everyone else to start a whole crop of grievances.

So let's get rid of them before they spoil our lives. We must throw them off, and make an effort to leave them on the sands of Time—let the broad sea of selfishness and understanding sweep them away into its depths.

Oh, What a Surprise!

The christening had gone off splendidly, and even the very juvenile "star" had behaved beautifully; though the name he had received, "Reginald Homer," would seem to be sufficient justification for a revolt.

In the vestry afterwards, the clergyman was making the usual entries. When writing down the second name, he paused thoughtfully.

"Stranger," he thought, as he recalled the original Homer, the great Greek poet. "It's a curious name for the sonny of a navy."

Then he turned to the proud father. "Your favorite poet?" he asked, pointing to the name.

"Poet, sir," repeated the man, with a surprised look. "Poet, sir? Lor', no; I keeps pigskins!"

MONEY ORDERS.

When ordering goods by mail send a Dominion Express Money Order.

Although wool prices declined to some extent this season, farmers should not be too anxious to get out of the sheep business. A fair-sized flock of sheep on the average farm will never be a losing proposition.

The tendency among shippers of farm produce, in view of increased railroad freight rates, is to favor good roads and the use of motor trucks. Will any but the highest type of road meet the demands of the increased amount of heavy traffic, and will the cost of such roads be less than the increased cost of railroad freight service?

CASCARETS

"They Work while you Sleep"

Do you feel all "unstrung"?—bilious, constipated, headachy, full of cold? Cascarets to-night for your liver and bowels will have you tuned up by to-morrow. You will wake up with your head clear, stomach right, breath sweet, and skin rosy. No griping—no inconvenience. Children love Cascarets too. 10, 25, 50 cents.

ISSUE No. 42-20.

BITS OF HUMOR FROM HERE & THERE

The Sound Was Right.

Teacher—"Willie, use the word 'gruesome' in a sentence."
Willie—"The boy went to camp, and when he returned his mother found that he had gruesome."

Safety First.

"She—"And now, Charlie, I suppose you will have to speak to papa about this?"
He—"Yes, dearest, I suppose I must." (After a pause). "Has your father got a telephone?"

Thought He Knew Better.

Johnny paid his first visit to a farm the other day. All his life he had lived in the heart of a great city, and when he suddenly came in sight of a hay-stack, he stopped and gazed earnestly at what appeared to him as a new brand of architecture.

"Say, Mr. Smith," he remarked to the farmer, pointing to a haystack, "why don't they have doors and windows in it?"

"Doors and windows!" smiled the farmer. "That ain't a house, Johnny, that's hay."

"Don't try to kid me, Mr. Smith," was the scornful rejoinder. "Don't you suppose I know that hay don't grow in humps like that?"

Minard's Liniment Co., Limited.

Dear Sirs,—I can recommend MINARD'S LINIMENT for Rheumatism and Sprains, as I have used it for both with excellent results.
Yours truly,
T. B. LAVERS,
St. John.

Beyond Expression.

An elderly lady was questioning the ex-artilleryman. "And what was the most terrible sight you witnessed in the war?" she said.

"Well it was like this," replied the soldier. "We had just spotted a German machine gun nest with about twelve enemy gunners that were holding up our advance. We located the nest and put the first shot right in the middle of the Jerries."

"How dreadful!" interrupted the old lady, "did it kill them all?"
"No'm," replied the soldier sadly, "it was a dud."

"DANDERINE"

Stops Hair Coming Out;
Doubles Its Beauty.

A few cents buys "Danderine." After an application of "Danderine" you can not find a fallen hair or dandruff, besides every hair shows new life, vigor, brightness, more color and thickness.

America's Pioneer Dog Remedies Book on
DOG DISEASES
and How to Feed
Mailed Free to any Address by the Author,
H. Clay Glover Co., Inc.,
115 West 21st Street,
New York, U.S.A.

THE HALLIDAY COMPANY, Limited
HAMILTON FACTORY OUTLET CANADA

ONLY TABLETS MARKED
"BAYER" ARE ASPIRIN

Not Aspirin at All without the "Bayer Cross"

The name "Bayer" is the thumb-print of genuine Aspirin. It positively identifies the only genuine Aspirin—the Aspirin prescribed by physicians for over nineteen years and now made in Canada.

Always buy an unbroken package of Bayer's Tablets of Aspirin.

There is only one Aspirin—"Bayer."—You must say "Bayer."

Aspirin is the trade mark (registered in Canada) of Bayer Manufacturers of Mono-acetic acid derivative of Salicylic acid. While it is well known that Aspirin means Bayer manufacture, to assist the public against imitations, the Tablets of Bayer Company will be stamped with their general trade mark, the "Bayer Cross."

of "Bayer Tablets of Aspirin" which contains proper directions for Colds, Headache, Toothache, Earache, Neuralgia, Lumbago, Rheumatism, Neuritis, Joint Pains, and Pain generally. Tin boxes of 12 tablets cost but a few cents. Larger "Bayer" packages.

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Classified Advertisements.

FEMALE HELP WANTED.

LEARN TO VAMP IN A FEW hours with "Bayer's Simple Chart of Chords" enabling a person to readily play accompaniments on piano or organ in every key, endorsed by leading musicians everywhere. Agents wanted, liberal commissions; postpaid to any address in Canada for \$1.00. Selfhelp Pub. Co., 100 Broadway, Sydney, N.S.

Make Love—Live Long.

The art of love-making has a direct influence on the heart and blood. It stimulates the working capacity of the former organ, and keeps it up to concert pitch. As a result, the blood circulates with greater strength, and every part of the body is accordingly strengthened.