## CASTOR OIL FOR AIRCRAFT ENGINES

HAS WIDE BANGE OF USEFUL NESS IN INDUSTRIAL FIELD.

Making of Transparent Soaps, Furniture Polish, Candles, Fertilizers the digestive organs.

writer in "The Scientific Ameriof all sorts, showing it to be a most important commodity from a military

mportant commonity from a military standpoint. He says:
"Extensive experiments carried on by the Allies proved conclusively that easter oil was the lubricant par excel.

More disturbances to the health are caused by their blood than most people have any idea of this effectively, and the rich, red blood made by these pills will remove the headache. serial service. Up to a point various blends of mineral and yegetable oils did well enough, but none of these was found capable of answering the supreme tests of sustained flight under a wide range of temperature and of varied atmospheric conditions. Nature, somehow, had endowed the castor oil with characteristics that were ture, somenow, and endowed the castor oil with characteristics that were singularly and strikingly united, as if up the blood with Dr. Williams' Pink the wants of mechanical flight had been curiously anticipated."

Alluding to some of the other uses

"The other fields of employment are much more extensive than most of us realize. For instance, castor oil through any dealer in medicine or by mail at 50 cents a box or six boxes for the desired from the Dr. Williams' Medicine er, which takes the place of natural Co., Brockville, Ont. leather in the upholstering.

"Castor oil is an essential compo

castor oil is produced the so-called 'Turkey-red oil', which is an impor-

acid plays a part in the production of ethers which are used by perfumers and confectioners. Castor oil is used preparations, and a liquid distarectant is obtained from the 'seconds' or lower The oil is an admirable preservative for various kinds of leathers, is extensively used in the leather industry and is particularly serviceable in adding to the service life of leather belting employed in heavy work. Our flyropers would not be so effective if it were not for castor oil, and the oil enters into the get-

Extensively Employed in India. "In the sugar mills of the West Inupon the railroads of India and

British shipping circles castor oil has long been used as a mechanical lubrifound to be an economical and sufrom 6 to 7 per cent. of nitrogen and

from the seed cake after the oil has been extracted for other purposes. Notwithstanding the pretty general belief that the castor bean plant will not be touched by cattle, it is stated a fact by competent authorities the leaves, not the stalks, are widely fed to cows in India, and added vield of milk is attributed to this for-In Assam the foliage of the castor bean is cultivated largely for the purpose of feeding silkworms, and an xcellent paper pulp can be made om the plant."

## The Way He Made Sales.

I knew a man who had more shee and lambs than he knew what to de with, and sales were slow. One day he went to town, had a four-page

he went to town, had a four-page folder printed, got a few envelopes and sent a folder to everybody he knew that he thought would be interested in worth-while sheep or lambs. He did not try to see what big stories he could tell about his sheep when he got up the folder; he just sold a plain, clear, matter-of-fact ttory, describing each sheep in plain language, and giving his price for it. If he had had twice as many sheep be could have sold them all. Now he te doing the same thing when he has lows, pigs or poultry for sale. It two, pigs or poultry for sale. It works just as well with one kind of took as it does with another. Nor oes a salesman of this kind need to afined to stock. This plan

## FREQUENT HEIDACHES

A Sure Sign That the Blood Watery and Impure.

People with thin blood are much more subject to headaches than full-blooded persons, and the form of anaemia that afflicts growing girls is almost always accompanied by head-aches, together with disturbance of

Whenever you have constant or re-curring headaches and pallor of the face, they show that the blood is thin an" dwells on the use of castor oil as and your efforts should be directed to-lubricant for the engines of aircraft ward building up your blood. A fair ward building up your blood. A fair treatment with Dr. Williams' Pink Pills will do this effectively, and the

fast-running motors for ple have any idea of. When your blood is impoverished, the nerves suffer from lack of nourishment, and you Pills," and as the blood is restored to its normal condition every symptom of the trouble will disappear. There are the trouble will disappear. more people who owe their present to which castor oil is adapted, the writer goes on to say:

state of good nearm to Dr. Williams to which castor oil is adapted, the writer goes on to say:

castor oil is produced the so-called Turkey-red oil, which is an important factor in the dyeing of textiles and in the treatment of the fabrics. One of its largest uses is in the making of transparent soaps.

"Castor oil yields sebacic acid, which is superior to stearic acid in the reverent hydrigh, and the manufacture of candles, and from it also is obtained caprylic acid, which lends itself to the composition of varnishes peculiarly suited to the polishing of high-class furniture, carriage bodies and paintings, and is extensively employed in the preparation of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic acid plays a part in the production of vellum, tracing cloth, etc. Caprylic and called the for Roy's letter—Roy's last since—less wild, less flippant, blundering less since—less wild, less flippant, blundering in the most sacred thing she had in the world-to her club since less wild, less flippant, blundering since—less wild, less flippant, blundering in the most sacred thing she had in the world-to her club since—less wild, less flippant, blundering to the club, but honestly, reaching out for better things. Pauline since less wild, less flippant, blundering to the th

ously she crossed to her desk and read for the thousandth time the words she dear. I got a few scratches, but no-thing at all compared with most of the In despair the good lady tackled her boys. If you could see their courage how cook.

I tell you, it makes life a great thing. When it's all over and we can begin our life, dear, we've got to keep our vision of the divine courage and patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives. Of our head of the patience and unselfishness and love hidden in commonplace lives are the patience and unselfishness and love hidden in commonplace lives are the patience and unselfishness



His Majesty, wearing Highland costume, inspecting the guard of honor of the Seaforth Highlanders at Ballater. Lord Aberdeen, former

beyond words.

"Castor oil is an essential component in some artificial rubbers, and there are various kinds of celluloid which depend upon this product of the castor bean.
"Castor oil furnishes a very satisfactory celoring for butter; and from factory celoring for butter; and from castor oil is produced the so-called castor oil is produced the so-called castor."

Yet Living.

And then a strange thing happened. As clearly as if it were before her, Pauline saw Sadie Cummings's face as she stood reading that letter. More than that: she seemed to see Sadie Cummings's very self as she had been since—less wild, less flippant, blund-castor oil is produced the so-called sk her for Roy's letter—Roy's last contained and then a strange thing happened. And then a strange thing happened. As clearly as if it were before her, Pauline saw Sadie Cummings's face as she stood reading that letter. More than that: she seemed to see Sadie Cummings's very self as she had been since—less wild, less flippant, blund-castor oil is produced the so-called sk her for Roy's letter—Roy's last of the castor oil furnishes a very satisfactory coloring for butter; and from the Dr. Williams' Medicine Co.

O YOU CHILDREN:

Some of the Answers Given to Questions at Recent School Examinations.

### The Only Way.

for the thousandth time the words she knew by heart.

"This is to tell you not to worry, ner, and her housemaid left without are the profile during the morning."

The Only Way.

Mrs. Clymer was giving a little din.

Three heavenly bodies are the Father, Son and Holy Ghost.

# The III-Fated Children of the Czar

found to be an economical and superior illuminant—giving a markedly
brilliant flame. Indeed, the peoples
of India have found ways to utilize

of India have found ways to utilize the India have Indi of India have found ways to utilize the oil and the refuse pomace which may suggest other services here in the future. The pomace contains and Tatiana were nurses. I was at the car would call the boy's male nurse, a sailor by the name of Derewere future. The pomace contains and Tatiana were nurses. I was at prince to about face, forward march, the hospital thirteen months, writes and conduct him to his room, where the hospital thirteen months, writes and conduct him to his room, where

> Czarevitch sat drawing pictures with colored pencils. The minister did not pay any attention to the boy. It with strangers that they were always the is customary to ask permission before in a hurry to tell them all they knew

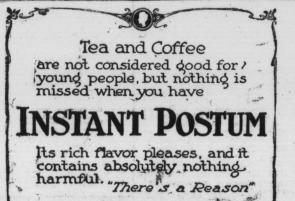
said:

When Russia entered the war, part | "General, it is customary to stand

"In India, too, gas is obtained from a low grade of castor oil and is widely used for lighting. Finally, it has been found practicable to produce this gas to produce the gas of control of the castle."

The face of the Kaiser was scratched. I asked how that happenson the castle. The face of the castle of the c

is customary to ask permission before the young with a nurry to tell them all they knew from the presence of the Czarevitch. When the boy's governess came in to ask what he wanted for lunch, the Czarevitch stood up, spoke to her, and when she left the room turned to the general and the properties of outside life. They called the proprietor. "What could you learn about bacon in that time?" to tell them all they knew before they would be called away. The girls sat at the bedside of wounded of ficers and soldiers and asked to be you learn about bacon in that time?" outside life. They called the proprietor. "What could you learn about bacon in that time?" outside life." anything that was not connected with the castle. They would be remained to the proprietor. "What could you learn about bacon in that time?" outside life." anything that was not connected with the castle. They would be remained to the proprietor. "What could you learn about bacon in that time?" outside life. They called the proprietor. "What could you learn about bacon in that time?" would be remained to the proprietor. "What could you learn about bacon in that time?" what is the proprietor. "What could you learn about bacon in that time?" when the proprietor is presented to proprietor. "What could you learn about bacon in that time?" when the proprietor is presented to proprietor. "What could you learn about bacon in that time?" when the proprietor is presented to proprietor. "What could you learn about bacon in that time?" when the proprietor is presented to proprietor. "But the proprietor is presented to proprietor." It is presented to proprietor. "What could you learn about bacon in that time?" when the proprietor is presented to proprietor. "But the proprietor is presented to proprietor." What could you learn about bacon in that time?" when the proprietor is presented to proprietor. "But the proprietor is presented to proprietor." What could you learn about bacon in that time?" It is presented to proprietor. "But the proprietor is presented to p would listen intently to every word.



Guerilla warfare is where men ride

shocks and in tying them high near their tops, good protection is afforded both grain and stover. If the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad do not close to the stalks of each arminad to the stalks of e

from 6 to 7 per cent. of nitrogen and ta measurable amount of potash, and it is authoritatively said that the castorseed cake possesses 2.81 per cent. of phosphates. It is therefore easy to understand why the stuff makes an excellent fertilizer.

Seed cake possesses 2.81 per cent. of phosphates. It is therefore easy to the complete that the drove himself.

Maria and Anastasia showed us their photograph albums. I noticed a snapshot photograph albums. I noticed a snapshot photograph albums and conduct him to his foom, where he had to remain and study for the rest of the day. The boy's pet was a spaniel, and he had a little automobile that he drove himself.

Maria and Anastasia showed us their photograph albums. I noticed a snapshot that they had taken of the Care (with the they were so well-helped) shot that they had taken of the Care (ly to lean or go down. Twisted and

the Czar was occupying a simple did it with his nails.

Anxious to travel for a big English firm in the ham line, an Irishman obot war, came into the room where the very fluently, very fast, and I believe tained an interview with the proprie-

"Eighteen months!" scornfully re-eated the proprietor. "What could

fident smile. "If I had been studying it for forty years. I'd know how to He got the job.

## What He Got.

With the idea of being agreeable the visitor asked her hostess's child-

"And what do you get, my little man?" said the visitor, addressing the littlest one, who had listened in a bored way while the others ran through their lists of accomplish

Girls and Women coming to Toronto can be placed immediately at work in Factories, Hotels, Restaurants, Insti-lations and Private Homes. High Wages. Experienced Cooks, Waltress Kitchen Help, Housemaids, etc. fill find good openings at all times. Vrite THOMAS & CO., Central Em-Proprietor, 64 Church St., Toronto.

Female Help Wanted

WILD ANIMALS WHICH SWIM.

Monkey is Worst of the Lot. While Jaguar Excels.

Have you ever noticed a gull drop ping on to the sea-how it spreads its wings high, so that the feathers shall not be wetted? If a gull's wing feathers get wet it cannot rise until they

Throw a mouse into the water. It fur is soaked down it goes, and drowns. So, too, in the case of a rab-A mole can swim like anything, but

a monkey is very helpless in the water.

Almost all land birds drown very rapidly, if unlucky enough to fall into hint.

Deer, too, can swim well. There are sign which read: "Speed limit twenty cases of caribou having swum across miles an hour."

lakes ten miles wide when escaping He pulled his

JOS. DUBES. Commercial Traveller.

## Good and Bad Reading

The other day in the papers there The qualification of a voter at a trying to imitate the hero of a certain

hidden in commonplace lives. Of out here with their plates I'll see that course I don't need to say this to you, they get all that's comin to them!"
of all people! But it is a joy to write it because I feel as if in this way I who whines and the man who wins The weak, straggling writing broke
The weak, straggling writing broke

Tie Shocks Near the Top.

As a nation we waste enough corn to supply many Europeans with bread. Much of the waste is due to poor shocking.

By a little care in building the sport and building the sport and property of the poor shocks and in tying them high near.

By an interval to supply many the poor shocking.

By a little care in building the difference.

Boys and girls are not told by their parents the difference between good and bad books. And, sometimes, the parents themselves do not know the difference.

MONEY ORDERS. When I Like Potatoes.

When I'm walking in the garden. Many fancy things I see But the common old potato
Is 'bout good enough for me Take it, say, for Sunday dinner, Or when company comes to eat, All mashed up so light and creamy,

It is pretty hard to beat. Boiled or fried, and all the rest-I don't know as I could tell you

When I like potatoes best.

When you smell the bacon frying, Then I think that dinner-time Fixed with gravy, they are fine

But at night, when cold and tired

Doing chores and cutting wood,

Then a great big white potato Baked for supper's mighty good. And I like 'em fried for breakfast— If I really have my say As to when I like potatoes, It's about three times a day.

Took Time by the Forelock. Mr. MacTavish attended a party

where the hospitality of the host knew no bounds. In the midst of the cele ments.

"Oh," he replied promptly ,"I dets readin', spellin', and spankin'.

It is better to fail in a good cause than to succeed in a bad one.

Sheep are used as beasts of burden in northern India and carry 20-pound loads.

bration Mr. McTavish rose up and made the rounds of the company, bidding each a profound farewell. "But, Sandy, man," objected the host, "ye're not goin' yet, with the evenin' just started?" "Nay," said McTavish, "I'm no goin' yet. But I'm teilin' ye goodnight while I still know ye all."

BITS OF HUMOR A FROM HIRE & THERE

a little boy was asked.

worked for you?"
Farmer—"About four hours."
Visitor—"I thought he had been

ere longer than that." Farmer-"Yes, he has been here for four weeks."

"Is your watch going, George?" the maiden asked sweetly, stiffling a

A Last Resort.

dealers or by mail at 25 cents a box sheets of water, and the common rat heart of the clay belt mountains with sold as clearly as if it were before her, Brockville, Ont.

dealers or by mail at 25 cents a box sheets of water, and the common rat is no mean performer.

One of the best of animal swimmers a load of produce.

is the horse. Horses have been Sam's ox-team had had a weary known to swim a river nearly a mile two-days pull, and when Sam reached wide to get back to their old stables.

He pulled his whiskers meditatively and then drawled out to his oxen: "Well, I know darned well we'll never make it, but we'll do our doggone best. Gee up, you lazy critters!

Gee up!"

GIRLS! LEMON JUICE
15 A SKIN V

### Geography In Person.

Standing in the middle of the platform | markable he said

is composed of water, and I am on an island. Now, what island would I re-

ply.

Then, calling the teacher to him, he asked again: "Now, suppose we both stood together like this, what island

would we represent?"
"The Scilly Islands, sir," came the

# **KNOCKS OUT PAIN** THE FIRST ROUND

Comforting relief from pain makes Sloan's the World's Liniment

This famous reliever of rheumatic aches, soreness, stiffness, painful sprains, neuralgic pains, and most other external twinges that humanity suffers from, enjoys its great sales because it practically never fails to bring speedy, comforting relief.

Always ready for use, it takes little to penetrate without rubbing and produce results. Clean refreshing. Made in Canada. At all drug stores.

At all drug stores. 35c., 70c., \$1.40.



# THERE IS ONLY ONE **GENUINE ASPIRIN**

ONLY TABLETS MARKED WITH "BAYER CROSS" ARE ASPIRIN.

You Don't See the "Bayer Cross" on the Tablets, Refuse Them—They
Are Not Aspirin At All.



Your druggist gladly will give yo the genuine "Bayer Tablets of Aspirin" because genuine Aspirin now is made by Canadians and owned by a Cana-

dian Company. There is not a cent's worth of German interest in Aspirin, all rights being purchased from the U.S. Govern

ment.
During the war, acid imitations were sold as Aspirin in pill boxes and various other containers. But now you can get genuine Aspirin, plainly stamped with the safety "Bayer Cross" —Aspirin proved safe by millions for Headache, Toothache, Earache, Rheu-matism, Lumbago, Colds, Neuritis, and

Pain generally.

Handy tin boxes of 12 tablets, also larger "Bayer" packages.

Apprin is the trade mark, registered in Canada, of Bayer Manufacture of

tic-acidester of Salicylicacid

ADIES WANTED TO DO PLAIN
Hight sewing at home: whole of
pare time; good pay; fork sent any
istance; charges paid. Sand stamp for
articulars. National
Manufacturing

HELP WANTED.

POR SALE.

N EWSPAPER, WEEKLY, IN BRUC County. Splendid opportunity. Writ Box T. Wilson Publishing Co., Limited 73 Adelaide St. W., Toronto.

# WELL EQUIPPED NEWSPAPER and job printing plant in Eastern Ontario. Insurance carried \$1,500. Will go for \$1,200 on quick sale. Box 62, Wilson Publishing Co., Ltd., Toronto. MISCELLANEOUS.

CANCER. TUMORS, LUMPS, ETC., internal and external, cured without pain by our home treatment. Write us before too late. Dr. Bellman Medical Co., Limited, Collingwood, Ont.

FINE GROUP PICTURE IN COLORS, The Group Picture in Collors at the prince a

### Egypt's Chief Crops.

Egypt's principal crops are cotton, corn, rice, wheat, barley, beans, sugar corn, rice, wheat, barley, beans, sugar cane and leguminous plants, which include clover, lentils and peas. following figures show the approxi-mate total cultivated acreage of the above crops: Wheat, 1,280,000; ley, 360,000; rice, 220,000; flax, 10, 000; beans, 500,000; Jeguminous plants, 1,650,000; corn, 1,830,000; cotton, 1,720,000; sugar cane, 50,000.

### Minard's Liniment Cures Burns etc

"Willie," said mother, consolingly, "you will have to wear one of your sis-

ter's nightgowns to-night.' "What, a girl's?" snorted Willie
"Yes, why not?" asked mother in

"I won't wear it." declared the small boy. "I'd rather go to bed The farmer who does not feed every

pint of waste milk on the farm, sweet or sour, is not working for the greatest profit.

IS A SKIN WHITENER

How to make a creamy beauty lotlon for a few cents.

The juice of two fresh lemons The school examiner was putting the children through their paces. His immediate subject was geography. on skin beautifier Care should be taken to strain the composed of water, and I am on an eland. Now, what island would I reseast?"

"The Isle of Man," came a quick restly.

Then, calling the teacher to him, he sked again: "Now, suppose we both

Just try it! Get three ounces of orchard white at any drug store and two lemons from the grocer and make up a quarter pint of this sweetly fragrant lemon lotion and massage it lemon lotion and massage into the face, neck, arms an



Hurrah! How's This

Cincinnati authority says corns with fingers.

says a Cincinnati authority, who tells you that a quarter ounce of a drug called freezone can be obtained at little cost from the drug store but is sufficient to rid one's feet of every hard or soft corn or callus.

You simply apply a few drops of freezone on a tender, aching corn and soreness is instailly relieved. Shortly the entire corn can be lifted out, root and all, without pain.

This drug is sitcky but dries at once and is claimed to just shrivel up any corn without inflaming or even irritating the surrounding tissue or skin. If your wife wears high heels she will be glad to know of this.



The pore-cleansing, purifying and sterilizing properties of this wonderful skin soap, using plenty of hot water and soap, best applied with the hands, will prove helpful to those who use it for the first time. Touch eruptions, roughness or irritation, if any, with Cuticura Ointment before bathing. Dry and dust lightly with Cuticura Talcum, a fascinating fragrance for powdering and perfuming the skin. Nothing better than these ideal skiw purifiers and their cost is but little.

Cuticura Soap 25c., Cintment 25 and 50c., Talcum 25c. plus Canadian duties. Sold everywhere. For sample each free ad-dress: "Cuticura, Dept. N, Boeton, U.S. A."

JSSUE No. 38-19,



there, and then a line was added: "A bit tired. Think I'll take a nap. My love, dear, forever."

He never had wakened from that nap. Forwarded with the letter was one from his nurse. "He will be an endless inspiration to all of us who ken him," she had written. "I wish I could make you understand what his mere presence and his example of courage and cheerfulness have been to others in the ward!"

The old, overwhelming grief swept the girl. It was not for herself, she sobbed; it was not I t was because the world needed him so. He would have made such a wonderful surgeon—all his teachers had said so. To have a life like that cut short was cruel beyond words.

And there, and then a line was added: "A bit tired. Think I'll take a nap. My love, dear, forever."

LOURING HOT WEATHER and monkey is very helpless in the water. They strike out with their legs, move round and round in a circle, but cannot get off the water. Eutons and tigers are very good swimmers, and do not share the common cat's hatred for the water. But of all the cat tribe, the South American jaguar is the finest performer in the water. It seems often to plunge the water. It seems often to plunge the fine water. It seems often to plunge the fine water. It seems often to plunge the fine water. It seems to have been cut to fit a woon as its fur is soaked through, but the monkey is very helpless in the water. They strike out with their legs, move round and round in a circle, but cannot get off the water. Eutons and tigers are very good swimmers, and do not share the common cat's hatred for the water. But of all the cat tribe, the South American jaguar is the finest performer in fine water. It seems often to plunge in for mere joy of a swim.

A rabbit, as we have said, drowns as soon as its fur is soaked through, but crowns a soon as its fur is soaked through, but cannot get off the water. But of all the cat tribe, the South American jaguar is the finest performer in fine water. It seems often to plunge in for mere joy of a swim.

A rabbit, as we have sai

The invention of the steamboat caused a network of river to spring

both grain and stover. If the stalks of each armload do not slant in one direction only—toward the centre of the shock—and if the tying is not done high up near the top, the shock is very likely to twist. Tying near the top prevents twisting.

Equal distribution of the armloads of corn around a shock is important. An equal distribution, with all the stalks slanting toward the centre, forms a conical stormproof shock, having each corn-stalk acting as a Good Reading Club and help strengthen, instead of weaken, the minds of having each corn-stalk acting as a brace to hold the shock erect. With

"What experience have you had?" the Irishman was asked.
"Eighteen months," was the answer.

about it yet."

"Bedad," exclaimed Pat, with a conIs the time to eat potatoes

ren what they learned at school.

"I," said the eldest, "get reading, writing, arithmetic and spelling."

# "How did you learn to roller skate? "Oh," was the innocent but significant answer, "by getting up every time I fell down." Real Work. Visitor-"How long has this man