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RESOURCESVAST  
EXPERIENCE

## THE ROYAL TRUST COMPANY

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### Scientists and Little Animals.

What advantages have a big animal compared with a small one? Mr. Haldane asked at the annual meeting of the British Association. The spider and daddy-long-legs could get on very happily with their thin legs. In other ways the small animal had the advantage. A mouse could fall down a coal mine, shake itself at the bottom, and run off. A rat would kill itself, while a man would simply make a splash.

#### The Fly in the Water.

On the other hand, large animals had the advantage in water. A man coming out of his bath carried one pound of water with him. A mouse coming out would carry its own weight, while a fly in similar circumstances would be loaded with 50 times its weight.

Small animals had to have more food because the heart had to do relatively more work. A mouse thus ate one-third of its own weight every day.

Dr. Huxley created much laughter when he said that if he wanted to find a very short man or a very tall man, a saint or a sinner, he would get look among his audience. Another point of his that created much laughter was: "To be an insect you have got to have a certain amount of compulsion." A curious point was that there was no insect, so small that it could not be seen with the

naked eye. He would like to know what limited their smallness.

#### The Elephant's Eye.

One point by Dr. J. D. S. Haldane was that if the elephant had an eye as big in proportion as that of a mouse it would be able to see microscopic objects, and there would be no need for Mr. F. E. Barnard to devise special microscopes. He could breed elephants with huge eyes instead.

#### Idiots and Geniuses.

In the psychology section, Professor C. Spearman, the section president, dealt with "the theory of G." That theory, briefly, is that the measure of every different ability of any person can be resolved into two factors, one of which is always the same, but the other always independent.

"Every normal man, woman, and child is a genius at something as well as an idiot at something," he said. It remained to discover at what, at any rate, in respect of the genius. Even every member of an unemployed procession could do something that would make him a treasure in some great industrial concern. Every one of them was a genius at something. Discover what that something was, and there was no reason why some of those unemployed should not become famous dancers, jockeys, or players of popular games.

Professor W. A. Parks, dealing with geology, pointed out that while the earth as a whole acted as a rigid body, its outer envelope was by no means rigid. If it ever became so it would be a tremendous calamity. In that

sense earthquakes were not unimaged calamities; they were evidence that the fatal rigidity had not yet been attained.

If rigidity came the universal deluge was within sight, and with it the end of the present order.

The Polar regions, he remarked, had been temperate, almost tropical, and ice sheets had extended over sub-equatorial regions. A given climatic condition was not necessarily of long duration. It was highly probable that variation in climate would greatly affect the activity of the human race within a measurable number of years, and it was not improbable that the sites of our present centres of population would be buried under glaciers and that a new civilisation would occupy, under a genial climate, the present inhospitable regions around the Poles.

In the engineering section Sir Archibald Denny, in his presidential address, outlined fifty years' evolution in naval architecture and marine engineering, starting from the time in 1876 when, as an apprentice joiner, he made dining saloon settees for passenger vessels.

He remarked that fifty years ago there were trade unions, but they were controlled by men with different aims from the present. Now professional agitators and politicians had largely destroyed the spirit of the works.

#### CONFEDERATION LIFE. —

Remember that with the coming of cool weather more sugar and fats can be probably used by the system.

### Just Folks.

By EDGAR GUEST.  
FRIENDSHIP.

Earth holds no greater glory or delight  
Than friendship. Were this boon denied  
And all the pomp of fame and wealth  
supplied,  
The life of man would be as dark as night.  
As horrible and desolate as fright:  
A prison house, where wardens food provide  
But honest laughter never rings inside.  
And life eternal with a gloomier plight.  
That we are loved and love makes  
heaven hope  
And earth a place where man is glad to stay.  
God know this; friendless, none with  
little would cope  
Or bear with courage all the days  
of care  
And who, to heaven would struggle to ascend  
To spend eternity without a friend!

### Will Battleships be Abolished?

The arresting suggestion comes from the United States that, when the next Disarmament Conference meets, the delegates should consider whether the building of battleships should not be forbidden. The proposal is that the 10,000-ton cruiser should be regarded as the capital ship of the future.

It is reported in the United States, on what authority we do not know, that the British and Japanese naval authorities favour the idea of permitting the battleship to die a natural death, but are opposed to the idea of applying the ratio to cruisers and other auxiliary craft. The time has not come when these opposing points of view can be usefully discussed. But it does not follow that the scheme for the further scrapping of battleships by international agreement must necessarily be regarded as impractical.

Try a box of Renaud's French Face Powder, only 15c. at STAFFORD'S. — Sept 2, 1925

### Firm of Day and Martin Passes Away

More than a touch of sentiment is aroused at the passing of the ancient firm of Day & Martin, makers of shoe polish, or blacking, as it is commonly known. The stock holders have just resolved on a voluntary winding-up. They all "get out" very well, and the good will, etc., of the old house is taken over by another firm.

Day & Martin got into difficulties some years ago, and it was admitted openly that the falling behind in the race for public favor was almost entirely due to the failure to adequately advertise their goods. How long the firm has existed it is impossible to state with accuracy.

Readers of the Pickwick Papers will remember that Sam Weller was using Day and Martin's blacking on Mr. Jingle's boots when Mr. Pickwick first made his acquaintance at the White Hart in the Borough. We know, too, that before the Pickwick papers appeared, Charles Day, founder of the firm, had died—leaving what was then the large fortune of £400,000—a quarter of which he bequeathed for the relief of those, who, like himself, were blind.

And the firm has another claim on the admirers of Dickens, for it absorbed the still older business of Jonathan Warren, in whose "crazy, broken-down old house, abutting on the river and swarming with rats," at Old Hungerford Stairs, where the District Railway Station at Charing Cross now stands, Dickens himself worked as a lad of eleven. Probably it was the recollection of his bitter experiences at Warren's blacking factory which led Dickens to give Day & Martin such a handsome free "ad." in the Pickwick papers.

### Invention Due to Bible

"In connection with the preparation of Acheson graphite, it is remarkable that the inventor found the key to the method in the Bible, where we read that the Egyptians used straw in the process of making bricks," writes Dr. A. C. Brown, of the Royal Technical College, in the Glasgow Herald. "While reading the account of the trials of the Israelites, of how they complained bitterly that bricks could not be made without straw, it is difficult to realize that they were faced with a problem in colloid chemistry. Such, however, was the case."

"It was the practice to soak straw in water for some time, and to use this liquid in working up the clay, because the resultant mass was found by experience to be much more plastic and easily worked than if water alone had been used."

"Straw contains tannin, and it was the presence of this tannin in the straw infusion which brought about the increased plasticity. It is still the practice to add tannin to clay when an increase in plasticity is desired."

Have a small closet near your sink in this you can keep silver polish, reserve soap, steel wool, etc.

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