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BOWRING BROS. Limited ST. JOHNS
—N.F.—

A Thunderstorm.

HOW IT APPEARS TO A MAN IN AN AIRSHIP.

Have you ever been in the air to watch a thunderstorm grow? If you were merely on the ground looking up, then you see only the bottom of it. The airman is the one who sees just what is happening in a thunderstorm, says Popular Mechanics.

A few hours before the sky was perfectly clear. All at once a few white patches become visible to the eye, and if they quickly begin to dot the whole sky, it is a warning sign. Each fluffy cloud represents the point where moisture rising from the earth has begun to condense. The rapid formation of the clouds means uneven heating of the surface of the earth and the presence of lots of moisture in the air. The clouds grow together, forming a continuous rolling mass of dense vapor, cutting off the flyer's view of the earth.

So far the storm has only been threatening. The clouds have spread

sideways as far as they can; now they begin to grow heavier. The heated air from the earth below pushes through the heavy layer and bulges it upward. Higher and higher it is pushed while more and more moisture condenses, and this great bulging mass of vapor, sometimes three or four miles high, has become a thunder cloud. Its bulging tops are called 'thunder peaks' or 'thunder heads,' and they are responsible for the lightning, the heaviness of rainfall, and the hail we sometimes have in mid-summer.

The energy of a thunderstorm is amazing. A single great cloud may contain billions of pounds of water vapor. The flashes of lightning from clouds to clouds are sometimes 20 miles in length, and when we stop to think that it takes a current of 15,000 volts pressure to produce a spark an inch long, we can only wonder at the immense amount of electricity involved in a single flash. Sometimes the wind from a thunderstorm, or the squall, as it is called, is violent enough to level trees and

small buildings, and is 'improperly' called a tornado. There is a big difference. A tornado is a violent whirlpool of air that sweep across the country and twists off trees and roofs in its path. The wind from a thunderstorm blows straight away from the storm and never twists.

Broadly speaking there are three general stages in the development of a thunderstorm. There must be strong currents of moist air rising from the earth, as indicated by the appearance of the white patches of cloud. This condition must continue until the sky is covered. And lastly, the force of these upward currents must be great enough to push the clouds up into thunder heads. A thunderstorm then results.

Colour's Place

WITH THE GREAT RAILWAY COMPANIES.

The Great Eastern Railway Companies, in repainting its carriages, now uses a light crimson-lake in place of the old colour which was that shade of brown known as varnished teak.

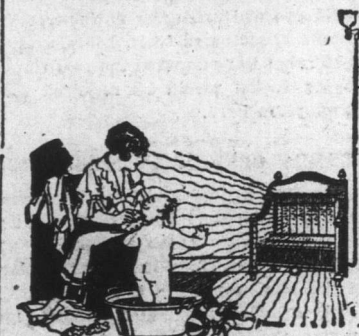
In thus changing the colour of its rolling-stock, the Great Eastern is following the example of the Great Western, which in late years has banished the old scheme of tea-brown and cream for a chocolate-red-brown. Crimson-lake, chocolate, and varnished teak are the colours most in use for the carriages on our lines. Like we associate more particularly, perhaps, with the Midland than with any other line, for the Midland uses it not only for the carriages but for the engines as well, and has achieved in it a rich and distinctive shade.

This is, however, the standard colour of several other lines, including the North-Eastern and Glasgow and South-Western, and may be seen from

Southampton northwards into Scotland.

As chocolate is now the colour of the Great Western's coaching-stock, it is carried far and wide over the 3,000 miles of that system alone. Probably the company did well to abandon the small white panels that went with the old tea-brown, for they quickly showed dirt. The North-Western, however, boldly keeps to white for the panels—so boldly that at first sight the coach strikes the eye as being white all over, whereas the lower part is really chocolate.

Brightening Up the World of Travel. Varnished teak is the colour of the Great Northern, the Great Central, and still, in the main, of the Great Eastern; the South-Eastern uses maroon; the South-Western a yellow tint of cream, with dark green for her electric services; the Brighton



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Notice to Wholesalers!

We are clearing out the items mentioned below at prices far below their regular market values. The value of stock is increasing daily, but because we are overstocked for our trade we will clear these and many other items which the space will not permit us to enumerate at prices that will surprise you. Pay us a visit and see for yourself.

- 1200 pairs MEN'S SHORT RUBBERS.
- 25 dozen MEN'S WOOLLEN UNDERWEAR.
- 60 dozen MEN'S TIES.
- 50 dozen MEN'S WOOLLEN STOCKINGS.
- 40 dozen MEN'S WORKING SHIRTS.
- 800 pairs LADIES' RUBBERS.
- 50 dozen LADIES' GREY STOCKINGS.
- 25 dozen BOYS' FLEECE LINED DRAWERS.
- 25 dozen BOYS' SOFT COLLARS.
- 50 dozen PIPES.
- 50 dozen COLLAR PINS.
- 75 dozen CUFF BUTTONS.
- 1000 yards CRETONNE.

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