

584
AUSTRALIAN AERO-ENGINES.

In this busy scene you see the beginnings of an Australian industry- the making of aero engines. This ~~interesting~~ interesting story comes from Melbourne, showing automatic lathes, gear cutters, all the most important apparatus, and behind this man power, the skill and enthusiasm of Australian craftsmanship. Every part must be made with microscopic precision and scientific tests assure that this is so. Valve-guide inserts are put into the cylinders while hot, the workmen wearing asbestos gloves. The cylinders must stand pressure- the gauges verify their efficiency. The connecting rods are fitted to the crankshaft. Now in a process of assembly, we see all these intricate and exquisitely formed parts that go to the making of an aeroplane engine. Things designed for efficiency- for achieving a strange steely beauty. There is something inspiring in the infinite pains with which men achieve the power of flight which to the bird is an effortless act of instinct. Then the perfected engine is fitted with its streamlined housing- immune to all the furies of the sky- with every detail attended to, the finished engine is a shining symbol of man-made power. Take it to the testing house, fit ~~it with~~ it with an air-screw, and then on the ground they test its flying power. So the Australian-made engine is ~~fitted~~ fitted in an Australian-made plane. Another step forward in National independence.