

THE NEW DAMAGE IN KRUPPS
FULL DETAILS FROM AIR PHOTOGRAPHS

Photographs taken after the attacks on Essen and the Krupps works on the night of April 3/4 have now been interpreted. They show that for the third time since the beginning of March a heavy and accurate blow has been struck at the enormous factory which covers an area greater than that of the city of London.

These are possibly the clearest air photographs that have ever been taken of Krupps. Usually details are obscured by the thick industrial haze from the hundreds of chimney stacks in the works, but when the photographs were taken, two days after the last raid on Essen, by far the greater number of the hundreds of the factory chimneys show no trace of smoke coming from them. The works, in fact, appear to be almost entirely inactive.

The bombing was highly concentrated. Most of the damage done that night is actually in Krupps with some severe damage in districts to the south and south west of the works.

Fire or high explosive bombs have severely damaged 15 separate buildings in the works, and at least three of these are main workshops, damage to which will profoundly affect other parts of the works.

Here is a list of the new damage:-

Steam Hammer Shop. -- A direct hit at the south end by a very heavy bomb has destroyed the roof over an area of 230 x 170 ft. and there is blast damage over a much larger area. The shop itself covers $9\frac{1}{2}$ acres.

The Open Hearth Steel Works. -- There has been a direct hit on the west side causing damage over 5000 square yards. On the east side there is damage visible over 2,080 square yards and on the north side over 2,000 square yards. This is one of the vitally important shops for producing the high grade steel in which Krupps specialises.

The Billet Rolling Mill. -- This, together with adjacent office buildings and repair shops, has been completely destroyed by fire. The whole area of damage here is 16,650 square yards.

Machine Shop. -- There is severe damage over an area of 2,700 square yards and roof damage over a further area of 23,760 square yards. This shop produces machine tools for use elsewhere in the works and is of particular importance at the present time when so many machine tools in damaged workshops must need replacing.

New Machine Shop At West Side Of Works. -- This has had at least two direct hits. There is total destruction over an area of 2,030 square yards and roof damage over a further area of 3,340 square yards.

Rolling Mill. -- The roof showed damage by blast (200 sq. yds.).

Forge and Store. -- The store has been partially demolished by a direct hit, with damage extending over 1,200 sq. yards. The forge has a hole through 1,500 sq. yards of the roof.

Forge. -- Another forge shows roof damage in two of its bays.

The Pattern Store. -- Some 600 square yards of this building destroyed by fire.

Machine Shop. -- 900 sq. yards of the roof show damage.

Workshop. -- 6,000 square yards have been damaged by fire.

Sheds. -- These have been burnt out over an area of 905 square yards.

Besides the destruction in Krupps there has been a good deal of damage to the Bergwerk A.G. Dahlbusch colliery, where a long workshop has been partly burned out. The roofs of two workshops have been damaged and a chimney stack destroyed. These buildings are important to the colliery's coke-oven plant.

Essen's railways were also hit. Suburban stations and Essen West and Bergeborbeck have been seriously damaged. At Essen West the station building has been partially destroyed and the goods station damaged. A direct hit on a railway has torn up four or five tracks. The suburban station at Bergeborbeck has been destroyed by fire and several small buildings damaged by high explosives. An engine round house at Essen main station has a large hole in the roof.