

Production of the film which is now sent to you has been made possible by special facilities arranged by the Air Ministry and Ministry of Aircraft Production.

The following requirements of the two Ministries are transmitted to you.

1. Release on Monday, 15th October, 1941.

2. Treatment must be factual. The main shots were taken from the ground. The aerial shots were made from a Douglas Boston 7. The aircraft flown in the mock fight are the Hawker Hurricane II with 4-Cannon Guns and a Junkers 88.

3. The object of the film is to show the efficiency of the Hawker Hurricane II, armed with 4-Cannon Guns, and it will be appreciated if this aspect is made plain in the treatment and commentary.

4. Each Newreel Company is requested to afford the two Departments an opportunity of witnessing the final treatment before exhibition. In this connection Wing Commander Williams, P.R.1., Air Ministry, will be the liaison officer, Telephone No. Abbey 5411 (Extn. 5244).

5. The film has already been censored, and no further cuts will be made. But the Departments must reserve the right to approve the commentary in each case.

6. The following points may also be used in the commentary:-

- (a) The Hurricane II is used in attacks on enemy shipping.
- (b) It is playing a prominent part in fighter sweeps over enemy occupied territory.
- (c) It is used for escorting bombers and for interception of enemy bombers.

7. The Hurricane II was introduced for the purpose of improving upon the performance of the Hurricane I which was used last summer. The fitting of a new Merlin engine with its two speed supercharger has resulted in a much higher ceiling, a better rate of climb at altitude and a greater top speed.

More important, however, is the improved armament with which this machine is equipped. Whereas the Mark I aircraft had eight .50S machine guns, the Mark II has twelve such guns or alternatively four 20 m.m. cannon. Thus the fire power greatly exceeds that of the Hurricane I, so successful last year, and is vastly superior to that of the latest German single seater, the new Me. 109F 1/2.

This Me.109F has in addition to two machine guns only one large gun of 15 m.m. calibre. As the shells from these cannon guns are larger than those from the Me.109F they have much more "punch", penetration and general destructive power.

The use of 12 machine guns or four 20 m.m. cannon in the Hurricane makes reasonably certain of the destruction of any bomber intercepted, the intensity of fire being much more likely to produce a hit than with the single large calibre weapon in the Me. 109F.

Production of the film which is now sent to you has been
 8. The official films are of actual operations. They were
 taken by the camera-gun fitted to the Hurricane. These cameras,
 which are loaded with 16 m.m. film, are fitted in the wings alongside
 the guns and automatically register a record as the pilot puts his
 cannon-guns into action. When firing ceases, the picture ceases.
 Every time a picture is taken, therefore, the British fighter is actually
 firing at an enemy aircraft. If the records sometimes lack clarity
 due to cloud condensation on the lens, vibration and fumes from the
 exhaust of aircraft being attacked, they nevertheless provide certain
 evidence of the concentrated fire brought to bear by cannon-gunned
 British fighters against German escort vessels and flak ships.

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 Hurricane II, armed with 4-Cannon Guns, and it will be appreciated
 if this aspect is made plain in the treatment and commentary.

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 Departments an opportunity of witnessing the final treatment before
 exhibition. In this connection Wing Commander Williams, P.R.I.,
 Air Ministry, will be the liaison officer, Telephone No. Abbey 8411
 (Rxtn. 5844).

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- (a) The Hurricane II is used in attack on enemy shipping.
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 of enemy bombers.

7. The Hurricane II was introduced for the purpose of improving
 upon the performance of the Hurricane I which was used last summer.
 The fitting of a new Merlin engine with its two speed supercharger
 has resulted in a much higher ceiling, a better rate of climb at
 altitude and a greater top speed.

More important, however, is the improved armament with which
 this machine is equipped. Whereas the Mark I aircraft had eight .303
 machine guns, the Mark II has twelve such guns or alternatively four
 20 m.m. cannon. Thus the fire power greatly exceeds that of the
 Hurricane I, so successful last year, and is vastly superior to that
 of the latest German single seater, the new Me. 109 1/3.

In addition to its two machine guns one large calibre gun
 only is fitted to the 109 1/3, namely, the 15 m.m. Mauser. Although
 this gun has a high muzzle velocity the shell is much smaller than
 our 20 m.m. shell which has much more punch by virtue of the high
 muzzle velocity and large mass which are essential for great
 penetration and general destructive power. Another important point
 is that the British 20 m.m. shell is larger and can therefore carry a
 useful explosive charge.

The use of 18 machine guns or four 20 m.m. cannon in the
 Hurricane makes reasonably certain of the destruction of any bomber
 intercepted, the intensity of fire being much more likely to produce
 a hit than with the single large calibre weapon in the Me. 109 1/3.