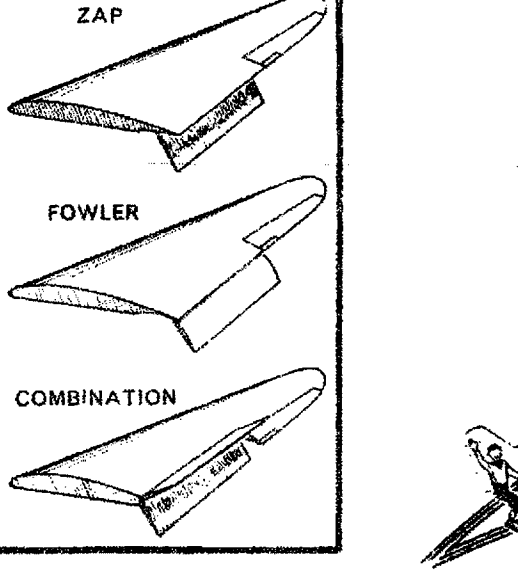


**"PLANE FACTS"**

**7. FLAPS**

The most common and effective means of obtaining additional lift for take-off and slow landings are the wing flaps. A flap is a movable panel near the trailing edge of the wing that lowers to provide this additional lift. They are especially needed when operating from small rough advance fields and aircraft carrier decks.

A number of different types have been used, among them the plain, slotted, split, Zap and Fowler. The latter is considered most effective although somewhat more difficult to construct. There is also a combination flap and dive-brake as used on some dive bombers (Dauntless and Buccaneer).



**NORTH AMERICAN "MUSTANG" P-51**

One of the finest fighters to come out of this war is the U.S. Army's Mustang or P-51. It is also in service with the R.A.F. Designed originally as a cooperation plane, its versatility soon proved it as one of the best low altitude fighters, besides being used for reconnaissance and ground strafing duties. Equipped with dive-brakes and bomb racks, it is known as the "Invader" or A-36.

The Mustang's clean, low lines give it a speed in excess of 400 M.P.H. Armament varies depending on the plane's mission but is usually six .50 caliber machine guns or four 20 mm. cannons. Power is supplied by a "V" type, water-cooled, liquid-cooled Allison or American-built Merlin engine.

Of special interest in the design is the placement of the radiator for cooling the motor. It is beneath the fuselage, behind the pilot's position.

The Mustang has a span of 37 ft., 5/16 in. and length of 32 ft., 2 3/8 in.

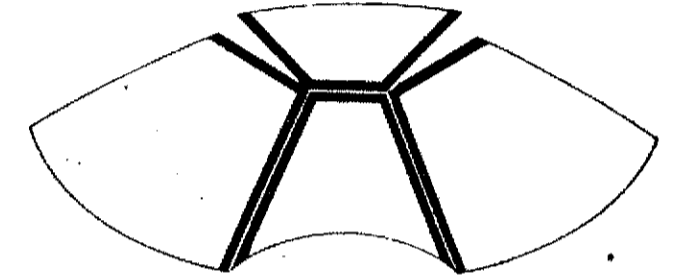
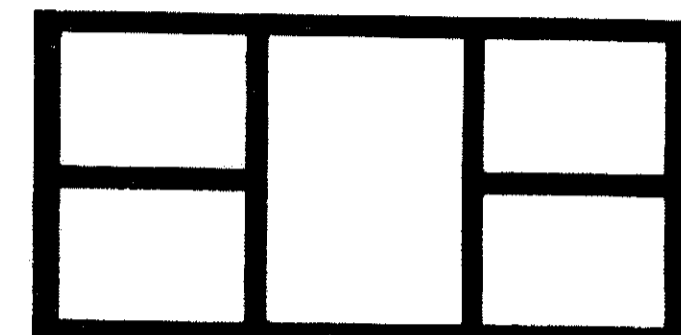
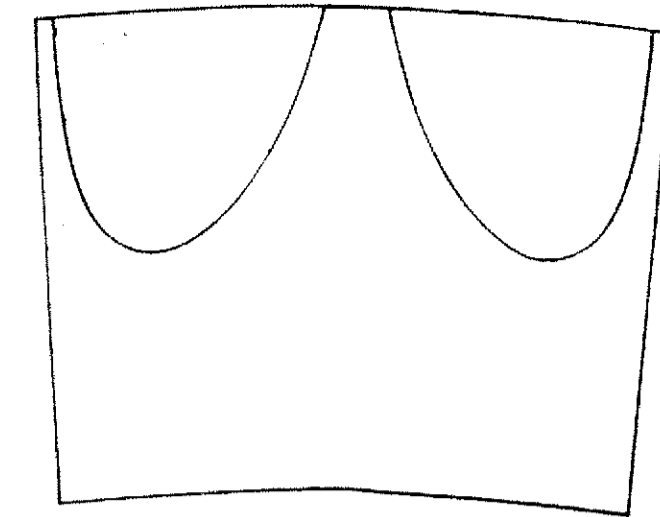
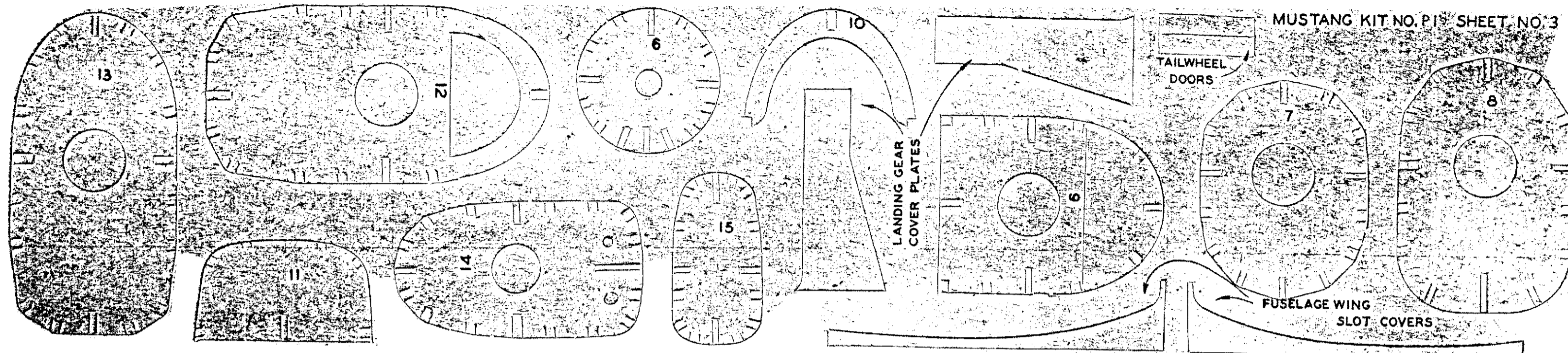
Regulation U.S.A.A.F. color scheme may be used. This is olive drab on top and gray on bottom.

Low wing, tapering from root to squarish tips, leading edge having a break-forward near root, in-line engine, in long slender-nosed fuselage with cabin directly above wing. Long radiator beneath fuselage, aft of cabin, tapering tail group with squarish tips.

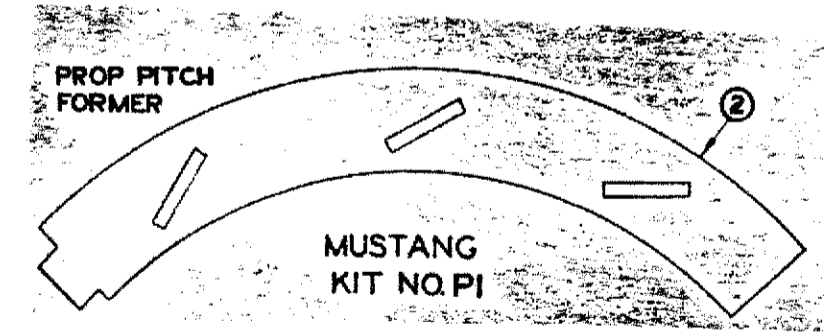
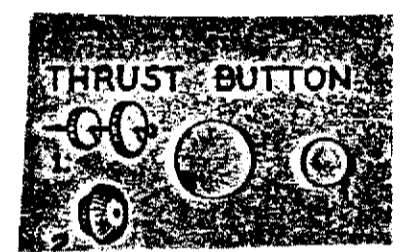
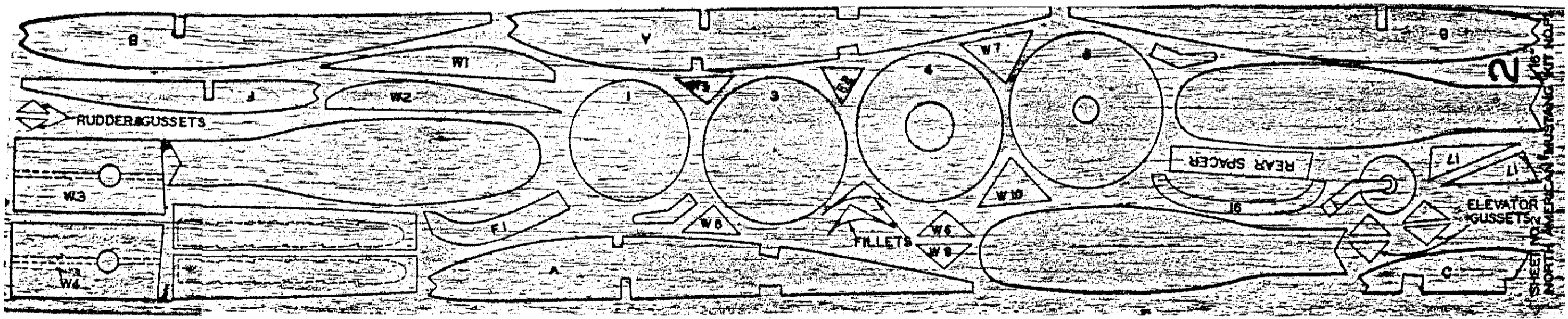
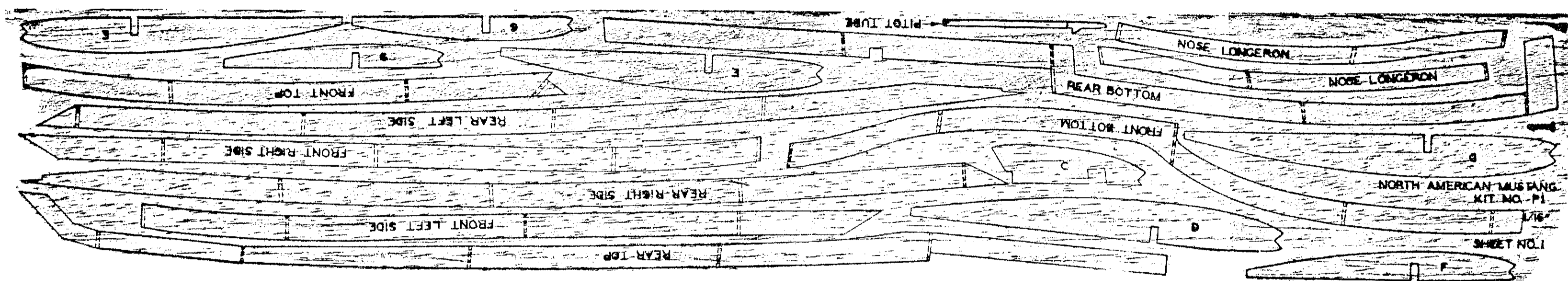
**NORTH AMERICAN "MUSTANG" P-51**

WINGSPAN—24 INCHES LENGTH 20-7/8 INCHES  
KIT NO. P-1 DRAWN BY Jim Mac Donald

ONLY COMET KITS FEATURE SPEED-O-MATIC CONSTRUCTION



NORTH AMERICAN "MUSTANG" KIT NO. P1



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NORTH AMERICAN "MUSTANG" P-51B

WING SPAN 24 INCHES	LENGTH 20-7/8 INCHES
KIT NO. P1	DRAWN BY Jim Macomber

MADE BY COMET MODEL AIRPLANE & SUPPLY CO.

COMET P-51B  
24" SPAN  
KIT NO. P1