

Biplane Army **Expanded Rules**

By David North

Aircraft Attributes

In the basic game all aircraft of the same class (single seater, two seater or strategic bomber) had the same attributes. The following rule provides different attributes for different aircraft within each class.

Each aircraft has four attributes; Speed, Structural Strength, Maneuverability, and Armament.

Speed

Aircraft are rated as either Slow, Standard or Fast.

Aircraft with Standard speed operate exactly as described in the basic rules.

Aircraft with Slow speed cannot perform maneuvers 3 (full throttle) or 17 (tight loop). The fact that they cannot perform these maneuvers does not effect how they take damage.

Aircraft with Fast speed move TWO squares forward instead of one when performing maneuver 2 (cruise), THREE squares forward instead of two when performing maneuvers 3 (full throttle) or 5 (dive), and FOUR squares forward instead of three when performing maneuver 16 (power dive).

Structural Strength

Aircraft are rated as either Frail, Standard or Sturdy.

Aircraft with Standard strength operate exactly as in the basic game.

A single seater aircraft rated as Frail must add +1 to their D20 roll when performing a stressful maneuver. A two seater aircraft rated as frail must add +3 to their D20 roll when performing a stressful maneuver.

An aircraft rated as Sturdy can absorb damage better than other aircraft. Sturdy aircraft that are hit in combat take one less point of damage per attack. For example, a Fokker D.VII fires at a SPAD XIII. The Fokker needs a 3+ to hit, and rolls a 6. Normally he would score three hits, but since the SPAD is Sturdy it only takes two hits.

Maneuverability

Aircraft are rated as either Agile, Standard or Sluggish.

Aircraft with Standard maneuverability operate exactly as described in the basic rules.

Aircraft rated as Agile may turn an additional 90 degrees in the direction of the maneuver when performing maneuvers 11 (wingover right) or 15 (hammerhead right). This additional 90 degree turn is optional, and is done in the ending square of the maneuver. Note that maneuvers to the left are not affected, due to engine torque.

Single seater aircraft rated as Sluggish loose -2 levels of altitude instead of -1 when performing maneuvers 10 thru 15 (wingovers or hammerheads).

Two seater aircraft rated as Sluggish are limited to maneuvers 1 thru 9. They cannot perform maneuvers 10 thru 20 (i.e. they operate just like strategic bombers)

Armament

Single seater aircraft are armed with either one or two forward firing machineguns. Two seater aircraft also have one or two rear firing machineguns.


Aircraft with two machineguns firing in a particular arc (either forward or rear) operate exactly as in the basic rules.

Aircraft with only one machinegun firing in a particular arc (either forward or rear) do less damage to a target when they hit. When a single machinegun hits a target, it will score one point of damage, and one extra point of damage for every TWO points that you roll higher than the to-hit number. For example, a D.H.2 fires at a Fokker E.III at a range of 2. The to-hit number is 2+ and the D.H.2 rolls a 5. He will score two hits (one for hitting, plus one for rolling two over the to-hit roll). If he had rolled a 6, he would have scored 3 hits. Note that this rule does not apply to strategic bombers.

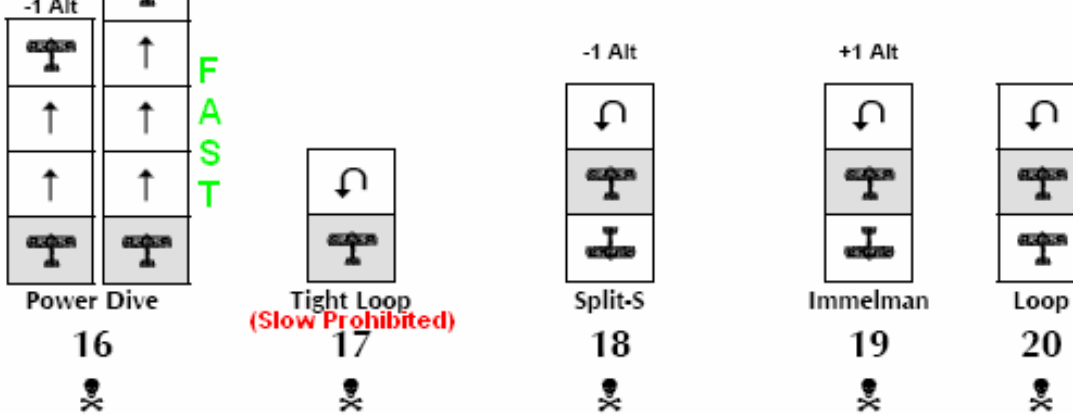
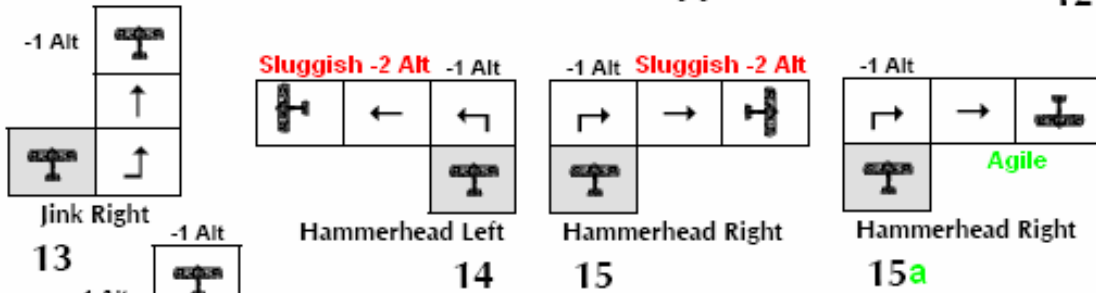
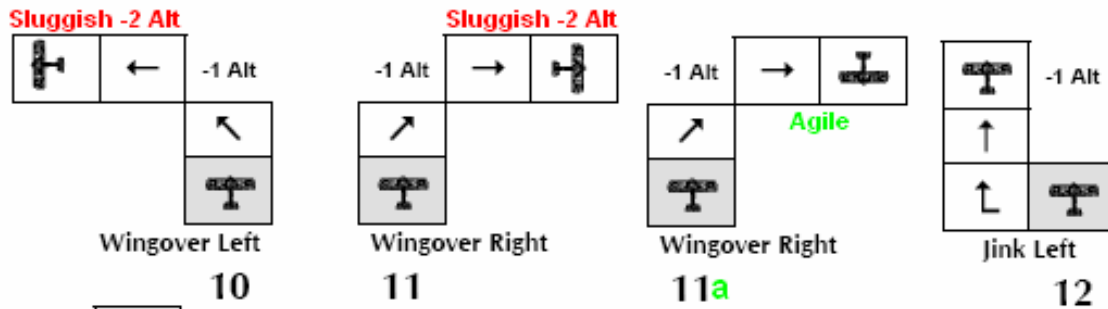
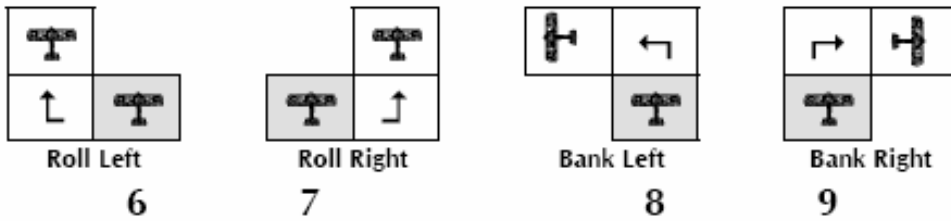
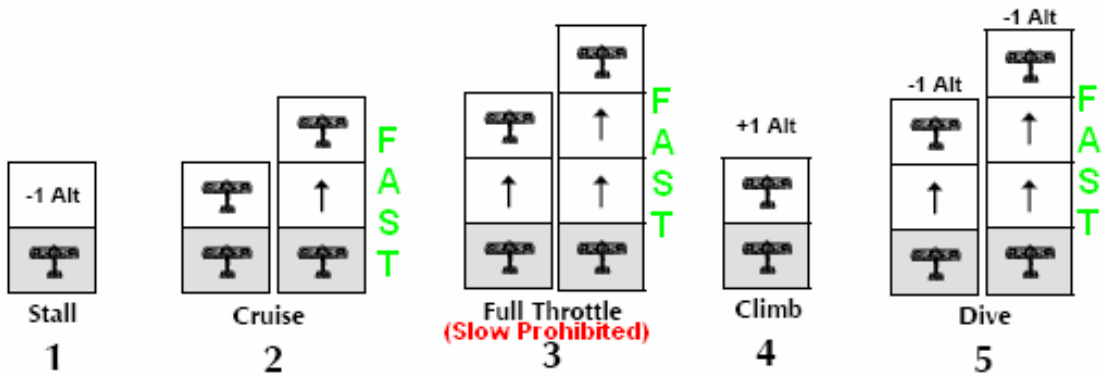
Garros Wedges; Some early war aircraft are listed with (Garros) in the armament section. These aircraft have Garros wedges mounted on them instead of interruptor gear. Garros wedges were a rather dangerous way of firing a machinegun through the propeller arc. Whenever an aircraft with Garros wedges rolls a to-hit roll of 1 when firing it has shot its own propeller off, and is destroyed.

Forward Flexible Guns; Some early war aircraft are listed with (Flexible) in the armament section. These aircraft have their machinegun mounted in a flexible mount rather than a fixed one. These aircraft have the same firing arc to their front as shown on the Rear Guns to-hit table.

Flexible Forward Guns

No	No	No	No	No	No	No
No	No	No	No	No	No	No
No	No	No	6+	No	No	No
No	No	6+	4+	6+	No	No
No	6+	4+	2+	4+	6+	No
6+	4+	2+		2+	4+	6+
No	No	No	No	No	No	No

Revised Maneuver Chart



Aircraft Charts

Republic of France

SINGLE SEATERS	SPEED	DAMAGE CAP.	MANEUVERABILITY	FRONT MG's	REAR MG's	YEAR	CLASS
Morane-Saulnier Type N	Standard	Frail	Standard	One (Garros)	x	1915	Fighter
Morane-Saulnier A.1	Fast	Frail	Standard	Two	x	1917	Fighter
Nieuport 11	Standard	Frail	Standard	One	x	1915	Fighter
Nieuport 17	Standard	Frail	Agile	One	x	1916	Fighter
Nieuport 28	Fast	Standard	Standard	Two	x	1917	Fighter
SPAD A.2	Standard	Standard	Standard	One	x	1915	Fighter
SPAD VII	Fast	Standard	Standard	One	x	1916	Fighter
SPAD XIII	Fast	Sturdy	Sluggish	Two	x	1917	Fighter
Hanriot H.D.1	Standard	Frail	Agile	One	x	1917	Fighter
TWO SEATERS							
Morane-Saulnier Type L	Slow	Frail	Sluggish	One (Garros)	One	1915	Fighter, Recon
Morane-Saulnier Type P	Standard	Frail	Sluggish	One (Garros)	One	1915	Fighter, Recon
Voisin 5	Slow	Standard	Sluggish	One (Flexible)	x	1915	Bomber
Voisin 8	Standard	Standard	Sluggish	One (Flexible)	x	1916	Bomber
Farman F.40	Standard	Standard	Standard	One (Flexible)	x	1915	Bomber
Caudron G.4	Standard	Frail	Sluggish	One	x	1915	Bomber
Breguet Br.14	Standard	Sturdy	Standard	One	Two	1917	Bomber
Salmson 2	Standard	Standard	Standard	One	Two	1918	Recon, Bomber
Dorand AR-1	Standard	Standard	Standard	One	Two	1917	Bomber

Great Britain

SINGLE SEATERS	SPEED	DAMAGE CAP.	MANEUVERABILITY	FRONT ARMAMENT	REAR ARMAMENT	YEAR	CLASS
R.A.F. F.E.8	Standard	Frail	Standard	One	x	1916	Fighter
R.A.F. S.E.5	Fast	Standard	Sluggish	Two	x	1917	Fighter
R.A.F. S.E.5a	Fast	Sturdy	Sluggish	Two	x	1917	Fighter
B.E.12 Single Seat Variant	Standard	Standard	Standard	One	x	1916	Fighter
Bristol Scout D	Standard	Frail	Standard	One	x	1915	Fighter
Airco D.H.2	Standard	Frail	Standard	One	x	1915	Fighter
Airco D.H.5	Standard	Frail	Standard	One	x	1917	Fighter
Sopwith Pup	Standard	Frail	Standard	One	x	1916	Fighter
Spowith Camel F.1	Standard	Standard	Agile	Two	x	1917	Fighter
Sopwith Triplane	Standard	Frail	Agile	Two	x	1917	Fighter
Sopwith Snipe 7F.1	Fast	Standard	Agile	Two	x	1918	Fighter
TWO SEATERS							
Vickers FB.5 "Gunbus"	Slow	Standard	Sluggish	One (Flexible)	x	1915	Fighter
R.A.F. F.E.2b	Standard	Standard	Sluggish	One (Flexible)	One	1915	Fighter
Bristol F.2b "Brisfit"	Fast	Standard	Standard	One	Two	1917	Fighter
R.A.F. B.E.2c	Slow	Standard	Sluggish	x	One	1914	Bomber, Recon
R.A.F. B.E.12	Standard	Standard	Standard	x	One	1916	Recon
R.A.F. R.E.7	Standard	Sturdy	Sluggish	x	One	1915	Bomber, Recon
R.A.F. R.E.8	Standard	Standard	Sluggish	One	Two	1916	Bomber, Recon
Sopwith 1 1/2 Strutter	Standard	Standard	Sluggish	One	One	1916	Bomber, Recon
Sopwith Baby (Seaplane)	Standard	Standard	Standard	One	x	1917	Bomber, Recon
DeHavilland D.H.4	Fast	Sturdy	Standard	One	Two	1917	Bomber
STRATEGIC BOMBERS							
Handley Page O/400	Standard	Standard	Standard	Standard	Standard	1916	Bomber
Short Bomber	Standard	Standard	Standard	x	One	1916	Bomber

German Empire

SINGLE SEATERS	SPEED	DAMAGE CAP.	MANEUVERABILITY	FRONT ARMAMENT	REAR ARMAMENT	YEAR	CLASS
Fokker E.I	Standard	Frail	Sluggish	One	x	1915	Fighter
Fokker E.III	Standard	Frail	Standard	One	x	1915	Fighter
Fokker D.II	Standard	Frail	Standard	One	x	1916	Fighter
Fokker D.III	Standard	Frail	Agile	Two	x	1917	Fighter
Fokker D.VII	Fast	Standard	Standard	Two	x	1918	Fighter
Fokker D.VIII/E.V	Standard	Standard	Standard	Two	x	1918	Fighter
Fokker Dr.1	Standard	Frail	Agile	Two	x	1917	Fighter
Halberstadt D.II	Standard	Standard	Standard	One	x	1916	Fighter
Albatros D.II	Standard	Standard	Standard	Two	x	1916	Fighter
Albatros D.III/DVa	Standard	Standard	Standard	Two	x	1917	Fighter
Pfalz D.III	Standard	Standard	Standard	Two	x	1917	Fighter
Pfalz D.XII	Standard	Standard	Standard	Two	x	1918	Fighter
Siemens-Schuckert D.III	Standard	Standard	Standard	Two	x	1917	Fighter
Junkers D.I	Fast	Standard	Sluggish	Two	x	1918	Fighter
Roland D.II	Standard	Standard	Standard	Two	x	1917	Fighter
Roland D.VI	Standard	Standard	Standard	Two	x	1918	Fighter
Rumpler 6B.1 (Seaplane)	Standard	Standard	Standard	One	x	1916	Fighter
Brandenburg K.D.W. (Seaplane)	Standard	Standard	Sluggish	Two	x	1916	Fighter
TWO SEATERS							
Rumpler C.I	Standard	Standard	Sluggish	x	One	1915	Bomber, Recon
Rumpler C.IV	Standard	Sturdy	Sluggish	x	Two	1916	Recon
Roland C.II	Standard	Standard	Sluggish	One	Two	1916	Recon
L.V.G. C.II	Standard	Standard	Sluggish	x	One	1915	Bomber, Recon
A.E.G. C.IV	Standard	Standard	Sluggish	x	Two	1916	Bomber, Recon
A.E.G. G.II	Standard	Sturdy	Sluggish	One (Flexible)	Two	1915	Bomber
Albatros C.I	Standard	Standard	Sluggish	x	One	1915	Recon
Albatros C.III	Standard	Standard	Sluggish	x	One	1916	Bomber, Recon
Albatros C.V	Standard	Sturdy	Sluggish	One	One	1916	Bomber, Recon
Albatros C.XII	Standard	Sturdy	Standard	One	One	1918	Bomber, Recon
Brandenburg W.12 (Seaplane)	Standard	Standard	Sluggish	One	Two	1917	Fighter, Recon
D.F.W. C.V	Standard	Standard	Standard	One	One	1916	Bomber, Recon
Halberstadt C.V	Standard	Standard	Standard	One	One	1918	Recon
Halberstadt CL.II	Standard	Standard	Sluggish	One	Two	1917	Bomber, Attack
Junkers CL.I	Standard	Standard	Sluggish	One	Two	1918	Attack, Recon
Hannover CL.II	Standard	Standard	Standard	One	Two	1917	Attack, Recon
Hannover CL.IIIa	Standard	Standard	Standard	Two	Two	1917	Attack, Recon
STRATEGIC BOMBERS							
Gotha G.V	Standard	Standard	Standard	Standard	Standard	1917	Bomber
Friedrichshafen G.III	Standard	Standard	Standard	Standard	Standard	1917	Bomber
Zeppelin-Staaken R.VI	Standard	Standard	Standard	Standard	Standard	1917	Bomber

Italy

SINGLE SEATERS	SPEED	DAMAGE CAP.	MANEUVERABILITY	FRONT ARMAMENT	REAR ARMAMENT	YEAR	CLASS
Ansaldo A.1 Balilla	Fast	Standard	Standard	Two	x	1917	Fighter
Macchi M.5 (Seaplane)	Fast	Standard	Agile	Two	x	1918	Fighter
Ansaldo S.V.A.5	Fast	Standard	Standard	Two	x	1918	Recon
TWO SEATERS							
S.A.M.L S.2	Standard	Sturdy	Standard	One	One	1917	Bomber, Recon
S.I.A. 7B.1	Standard	Standard	Standard	One	One	1917	Bomber, Recon
Pomilio PE	Fast	Sturdy	Standard	x	One	1917	Recon
Fiat R.2	Standard	Sturdy	Standard	One	One	1918	Recon
STRATEGIC BOMBERS							
Caproni Ca.32	Slow	Standard	Standard	Standard	Standard	1915	Bomber
Caproni Ca.33	Standard	Standard	Standard	Standard	Standard	1916	Bomber
Caproni Ca.42	Standard	Standard	Standard	Standard	Standard	1918	Bomber
Caproni Ca.46	Standard	Standard	Standard	Standard	Standard	1918	Bomber

Russian Empire

TWO SEATERS	SPEED	DAMAGE CAP.	MANEUVERABILITY	FRONT ARMAMENT	REAR ARMAMENT	YEAR	CLASS
Anatra Anade	Standard	Standard	Sluggish	One	One	1916	Recon
Anatra DS	Standard	Standard	Sluggish	One	One	1917	Recon
Lebed XII	Standard	Standard	Sluggish	x	One	1916	Bomber, Recon
STRATEGIC BOMBERS							
Sikorsky "Ilya Mourometz" V	Standard	Standard	Standard	Standard	Standard	1915	Bomber

Austro-Hungarian Empire

SINGLE SEATERS	SPEED	DAMAGE CAP.	MANEUVERABILITY	FRONT ARMAMENT	REAR ARMAMENT	YEAR	CLASS
Hansa-Brandenburg D.I	Standard	Standard	Standard	One	x	1916	Fighter
Aviatik D.I	Standard	Standard	Standard	Two	x	1917	Fighter
Phoenix D.I	Standard	Standard	Standard	Two	x	1917	Fighter