

The tomic Sepath Canadi, as maned for the hung' over it gam, is possibly the most famous of all First World West aircraft, if no try sight, then by accurate "Sepath Condend to Locard in his 1975 in a offert to recovere the enging bandwise; another by the mois confidence of the sight of the

The Separath E. Camel were into production in January 1817 and alreath began equiping Royal New Alle Servic (DNSA) and Royal Physic Corp. (CC) Separations in New Alle Servic (DNSA) and Royal Physics Corp. (CC) Separations in New Lower Service (DNSA) and Royal Physics (Corp. CC) Separations in New Service (DNSA) and Royal Physics (Corp. Corp. Corp

Around SSOS Camels were built by This Spoyth Astains Company, Pastern Protects 6, Co, Booline & Paul, Capton & Shattleworth, Niveport & Germal Astront, Hoogeney & Co, Partiblem Aericanow, Hards Jones on & Coin and British Calcinsts, A highward version with better wingspran and removable rest fundage was produced for the RMAS as the Spoyth 27.3 Camel from Sportmebr 1977. A night fighter conversion with 2 Levis gas mounted on the roy wing and the pilot search further curranted was been and the Spoyth EA.7 (Some; The USAS arranged to quije S squadwood with Camels, many of which were powered by the 200th Common MS Monoscoppes engine. Other nations to use the Camel were Religion, Extension, Lexicolate Capton and Capton an

WVI street closurs are contention at the best of times and we have done one best to provide what we consider to be accurate guinting information. Because Soporth, Considerate where amountained by different companies and Soporth's room factory desirating designates before shows the consideration of the provided provided to the content of the content

Richard Alexander 2016

Wingspan (8.1): Length (8.1): Max Weight (8.1): 28ft (8.53m) Gnome 19ft (5.73m) - Clerget 18.75ft (5.71m) Gnome 1423 lb (645.5kg) - Clerget 1422 lb (645kg)

(all types) 5500 Gnome 23000ft (7010m) - Clerget 24000ft (7315m) Gnome 117.5mph (189kph) - Clerget 116mph (186kph)
Production: Armament (5:1):

Engine:

Windoock Datafile 26 Sepwith Carnel, J.M. Bruce, 1991 - Schedule for Sepwith Carnel Riplane. 130 Horne Fower Cherget Engine Type E.1., RAF 1918
The Carnel File, Ray Sturtivant & Gordon Taga, Air Britain 1903 - Sepath Carnel King of Combat, Char Boyer, Glastrop Press 1978 - Sepath Carnel King and Sepath Carnel King of Combat, Char Boyer, Southern Sepath Carnel King of Combat, Char Boyer, Southern Sepath Carnel King Taga Article (1914) As facing the Fireign Trant : The Virings Artistry (1107) Carlel Area of Particle (1914) As facing the Fireign Trant : The Virings Artistry (1107) Carnel Area of Particle (1914) As facing the Fireign Trant : The Virings Artistry (1107) Carnel Area of Particle (1914) As facing the Fireign Trant : The Virings Artistry (1107) Carnel Area of Particle (1914) As facing the Fireign Trant : The Virings Artistry (1107) Carnel Area of Particle (1914) As facing the Fireign Trant : The Virings Artistry (1107) As facing the Virings (1107) As



Warning: Choking hazard. Keep small parts and plastic bags away from children. Use glue and paint in a well ventilated area. Always wear protective eyewear when cutting and a protective mask when painting, gluing and sanding. Do not breathe dust from polyurethane resin parts (if included). Beware of sharp edges on metal parts.

Assembly: Read all the instructions carefully before starting assembly. Use glue intended for plastic models. Assemble metal and resin parts (if included) using Cyanoacrylate (CA) or epoxy glue. Before assembly select a

If installing rigging please drill out all location holes with a 0.5mm drill bit to a depth of at least 1mm. To make rigging as simple as possible we recommend using stretchy elastic type material like 'EZ Line' etc and not trying to replicate any turnbuckles.

Painting: Only use paints designed and suitable for plastic model kitsets.

Decals: Cut out each decal as required. Soak in warm water for 15 seconds. Slide off backing paper onto gloss painted surface of model (not just clear coated plastic). For large decals it is helpful to apply a drop of water to the area they are being applied to. This will make it easier to maneuver them into the correct position.



Photo Etch Part















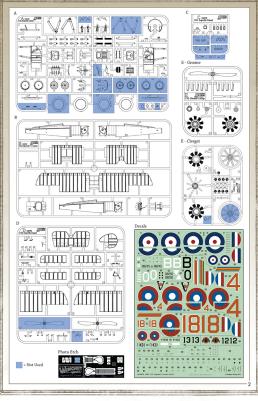


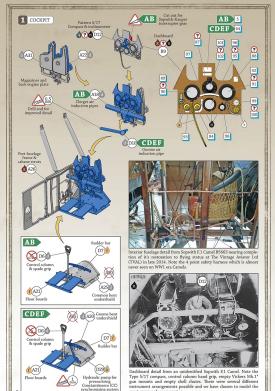


c	Paint	Color

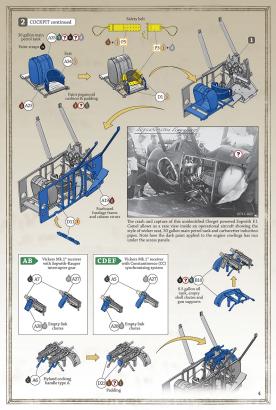
a	Brass	X31	54	
ь	Copper	XF6	12	
c	Gun Metal	X10	27004	
d	Aluminium - matt	XF16	27001	
e	Steel	XF56	27003	
f	Light Wood* - semi gloss	XF78*	93*	30340*
g	Dark Wood* - gloss	XF68*	160*	30111*
h	Rubber - matt	XF69	66	35042
i	Leather - semi gloss	XF52	62	30219
j	Clear Doped Linen (CDL) - gloss	XF55	121	26405
k	PC12 dope - matt & semi gloss	XF10	98	30059
1	PC10 dope - matt & semi gloss	XF62 (x1) + XF10 (x1)	170	26120
m	PC10 paint - gloss	XF62 (x2) + XF10 (x1)	170	16120
n	Black - semi gloss	X18	85	
0	Dark Mustard Yellow - semi gloss	XF4 (x1) + XF59 (x1)	94	
p	Aluminium - bright	X11	27002	
q	Battleship Grey (BSG) - matt or semi gloss	XF82	106	35164
r	White - semi gloss	XF2	34	
s	Red - semi gloss	XF7	60	31350
t	Blue - semi gloss	XF8	25	25056
u	PC10 light - matt & semi gloss	XF62(x3) + XF52 (x1)	155	33070

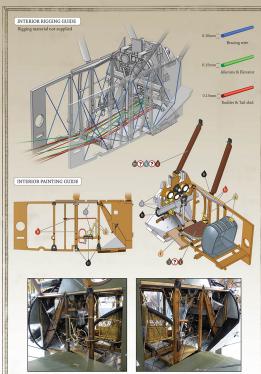
Note: Apply clear varnish to achieve the desired gloss or semi-gloss finish. 'See our website hints and tips for painting wood.



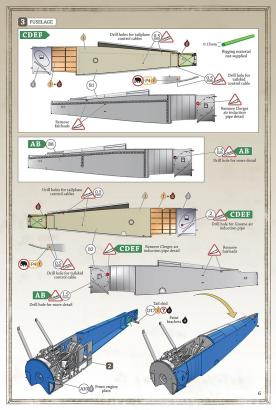


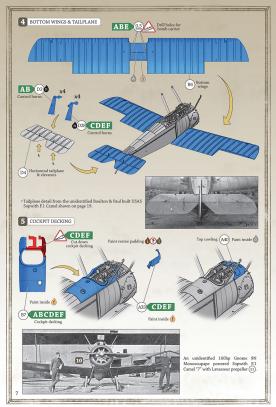
most commonly seen version.





Interior fusedage detail from Sopwish E.I. Camel BS663 nearing completion of it's restoration to flying status at The Vintage Aviator Laf (TVAL) in late 2014. The frost engine plast, bene fix evar underrowles, magazimes and Clerget engine induction pipes are bare aluminism while most metal banckets and fittings are painted black except for the petrol lines, sight gauge and engine control levers which remain copper and brass.



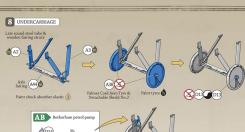


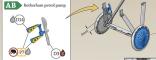




> An unidentified 185th Aero Sqn 160hp Gnome 9N Monosoupape powered Sopwith F.I. Camel "8" (or "18") with darkly overpainted fuselage and tailplane. Note the orange and black 185th Aero Sqn unit insignia which was only applied to aircraft after the Armistice.

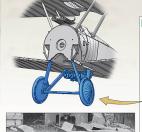


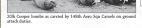


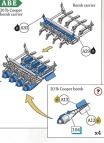


> Fabric warpped rules steel & wooden fairing undercarriage from the unidentified Boulons & Rulubul USAS Spowith 12 Camel 'd *shown on page 22. Spowith Camel undercarriage struts, especially the port side, were perennially scaled in castor oil which spewed out from the engine. Benarladky, a problem with the port wheel unscrewing itself and falling off(!) was not fixed until May 1918 when opposite thread bolts and sale became available. Note the Palmer Detschable Staled No.2.

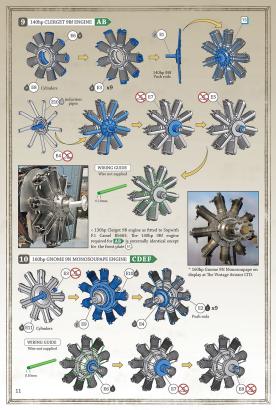


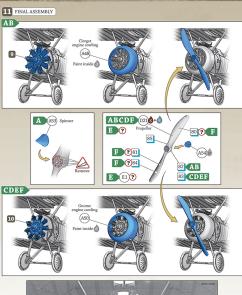




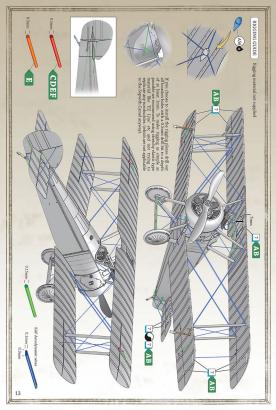


10









Paint wings and apply decals

140thp Cenger 98F powered Sopwith F.1 Camel D8245 is from a production order for 150 aircraft placed with Buston. Proctor & Co. Lind in Demomber 1917 (minmers B3010 to D825) and was delivered to 145th Acro-Squ D8265 in July 1918 which was, along with 17th Acro, one of 2 U85S prismit squadrons placed under 10 Group R&F command. As such, these aircraft carried K&F eight unit markings which took the form of a white traingles in 48th Acro Squ Camels Continuity this symbol was previously worm [C camels of 4.5 Squ BCF from August 1917 to March 1913 6 by 345 Squ BCF after the end is provided by some continuity than the state of the state of

Field Tiggene Kindley was from Arkansas and helped run a movie theatre before joining the Kansas National Goard in Mys-1017. After transfering on station and undergoing glott training he was analigned to \$50 gas Rad & were he was carefield with 1917. After transfering to the contracting of the state of



FE Kindley photographed in September 1918 beside a Ruston, Proctor & Co built. 188th Aero Sign Spowith FL Camel "B' which is believed to be his replacement aircraft, E1539, The "A" flight colour red is applied to the wheels and spinner (not visible in this print) while the cowling appears to be Bix. No test the position of the Rotherham petrol pump and letter "B" partially visible on the fuselage and under the starboard bottom wing, which may or may not have been applied to B82x1.

v 140hp Clerget 9Bf powered Sopwith F.1 Camels of 148th Aero photographed at Petite-Synthe in early August 1918. The first 3 aircraft visible are Boulton & Paul built D9516 then Ruston & Proctor built D8166 "D" and then D8245 "B"



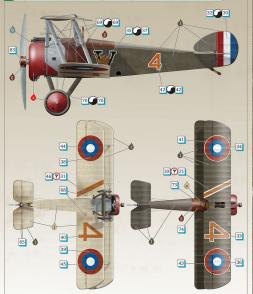
B Sopwith F.1 Camel D8250 "O", EW Springs, "B" Flight 148th Aero Sqn USAS, August 1918 (16 victories)





Sixteen victory are Illiott White Springs learned to fly as an aviation cade in late 1917 and was one of many American pilots are to to the UK for operational experience. He initially flow 8-E.a with 68 Spr. RAF where he was cerdied with his first 4 victories in June 1913 before being posted to the newly formed Sopwith 1.1 Camel equipped 148th Aero Sqn. as ²⁷ flight with the service of the 1914 of

Sopwith F.1 Camel "4", HR Clay Jr, "A" Flight 41st Aero Sqn USAS, late 1918 to early 1919 (8 victories)



Although understified, this Soporith F.I. Camel was, like (almost) all of the 160th Gromes 39 Monocoupaep powered Camels upplied to the 165th, from either of two production orders just contained as a flat Led on 22 and 246 March 2181 (annulated 12.552 and Care) to Care (2005) respectively). Deliverse is charact begain in August 1210 be apparently just (annulated 12.552 and Care) to Care (2005) respectively). Deliverse is charact begain in August 1210 be apparently just [25] and "all "is shown here as it was when photographed fitted with it "is vitu Vickers pass which were later removed during occupation duties. Note the USAS cockades and 41st Aver Spin markings of a tan coloured camel superimposed on a black "yellow the contrained to the co

Eight victory ace Henry Robinson Clay Jr was another American sent to the UK to gain experience and initially flew Sopprish E1. Camels with 4.58 pm R4 in May 1918 before going on to correv with 146th ency Sqn where he was credited with all 8 of of his victories in August and September 1918. He was made commander of 41st Aero Sqn but the Armittics was signed before they were fully operational. He continued to serve on accompanional chies until he was struck down by the 110% influenza they were fully operational. He continued to serve on accompanional chies until he was struck down by the 1110% influenza the server of the D1 Sopwith F.1 Camel "18", JB Hickman, "C?" Flight 41st Aero Sqn USAS, early 1919





 James Burr Hickman photographed in early to mid 1919 in front of an unarmed and unidentified 41st Aero Son 160hp Gnome 9N Monosoupape powered Boulton & Paul built Sopwith F.1 Camel, thought to be aircraft "18". The 41st Aero Sqn was formed at Kelly Field in San Antonio Texas in June 1917 and arrived in the UK in March 1918. After sufficient training in Scotland they arrived in France in mid August 1918 but it was not until just after the Armistice that they began receiving their 160hp Gnome 9N Monosoupape powered Boulton & Paul built Sopwith F.1 Camels, Although this and other photos show aircraft "18" long after the armistice and unarmed, a couple of other photos showing Hickman sitting in the cockpit appear to show it armed and this is how we have chosen to illustrate his aircraft. James Burr Hickman was from Cooperton, Illinois and appears to have arrived at 41st Aero sometime after the end of November 1918. He was still serving with the squadron on occupation duties at Coblenz when he was killed in an aircraft accident in May 1919. Read more about the 41st Aero Squadron in Cross & Cockade Journal volume 12 #1 1971.

This unidentified and unarmed 41st Aero Sqn 160hp Gnome 9N Monosoupage powered Boulton & Paul built Sopwith F.I. Camel appears to have been painted overall in a very dark colour. Note the "hoop' headrest visible behind the cockpit which appear on many 41st Aero Sqn Camels photographed after the armistice.

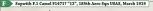


Sopwith F.1 Camel F1430 "13", EM Kelton, "A" Flight 185th Aero Sqn USAS, October 1918 (1? victory)



160hg Grome 9M Monoscopape powered Sopwith 1.5 Camed F1450° 12° is from a production order for 250 aircraft placed with Boulton 6 Paul Leit March 1918 (number F1501 to F1550) and as delivered to 1584 her os 5q 10458 it Crocker 1918 at which time it was equipped with lights and flares for night fring. The 185th Aero Squ were the only declared night fighting unit in the USSA and were taked with intercepting night bombers and stranging terms of power through declared night fighting unit in the USSA and were taked with intercepting night bombers and stranging terms of the stranging terms of the 185th Aero Squ were the only declared in 6 positions 1250 hero. Squ camed to 1850 hero. Squ camed to 185

Elibu H Kelton was flying Sopwith F.I. Camel F1430°13" when he departed on a balloon strafing mission to Viller-dearn-Dun in a depth of 30 October 1918. Before he could reach the balloon he got into a dopthy with several Fokker D VII of Jasta 10, one of which, howe by Justus Ossman, disballed Kelton 5 Camel forcing him to crash land in enew juteritory where he was captured. Grassman's Fokker D VII was reportedly similarly disabled in this action and landed safely a short distance away. Kelton managed to escape from captivity shortly after the Amustice.





Although uniformified it is believed that Boulton & Paul built 16thp Genne 19th Monoscuppe powered Spoprith F1. Camel 1'22' was probably F1-8' 10' from the same pools cannot now far all "by-like via delieved to 18th Ann 6 Spa (2) althy at the Ann 6 Spa (2) althy a

Boulton & Paul built 160hp Gnome 9N Monosoupape powered Sopwith F.1 Camel in USAS markings as delivered to 41st, 138th* & 185th Aero Squadrons.



Although understrated, thus Sopporth 1: Lames was, like (almost) all of the Eudip Groines Rollinoisopae polewest causes supplied as a supplied of the Company of the Compan



Note the period filler cap access holes on the decking and the small Geomes DN Monocompape air induction pipe visible under the impays shall thus on on the period to cooling. The dath filler on either side of each rib tape are an optical fillusion caused by the matter farped edges of the rib tapes not reflecting light as well as the rest of the gloss wing surface. We recommend using matt variation parties of the lines to replicate this on your model.



Note the stenciling applied to each component of the top wing and the distinctive Sopwith split axle undercarriage.

9 'Camels delivered to 138th Aero were swapped with SPAD XIII from 41st Aero who preferred to keep using the Camel.



An unidentified and unarmed Boulton & Paul built 160hp Gnome 9N Monosoupape powered Sopwith E1 Camel. Note the opaque windscreen and Lavasseur propeller (E1).



148th Aero Sqn Sopwith F.1 Camels "A", "J" and possibly E1539 "D" (but probably not D8245 (A>) prepare to take off. Note the dark underside of the top wing centre section and engine cowlings of "A".



An unidentified 160hp Gnome 9N Monosoupape powered Sopwith E1 Camel, reportedly crashed by Lt. Johnson at Toul, awaits recovery and salvage.

The sad remains of an unidentified 160hp Gnome 9N Monosoupape powered Sopwith F.1 Camel "8"



< Despite being fitted with Vickers guns it is almost certain that these photos were taken after the Armistice. Note the unusual 'hoop headrest' seen on some post war USAS Camels, wicker seat and wide safety belt.

> Note the very pale "painted" appearance of the bottom wing and underside of the top wing. Another view of this crash reveals that the word "GLADE"..? was painted on the port side of the fuselage under the cockpit opening.





< The unidentified squadron stripes (possibly mimicking the colours of the US "Victory Medal" ribbon) are clearly visible on the top wing, as is the number 8 on the side of the fuselage.

> The underside of the tailplane also appears to be painted a very pale colour but the bottom of the fuselage is not. Note the 30 gallon petrol tank.





An unarmed and unidentified 160hp Gnome 9N Monosoupape powered Sopwith E1 Camel "14" parked in a bomb crater outside the Zeppelin hanger at Trier after the Armistice. Note the Lavasseur propeller (E1) seen on some Gnome powered aircraft. A 166th Aero Sqn DH.4 can be seen in the background.



3-D Modelling by Darren Mildenhall

Born and raised in Wellington, New Zealand, Darren harnessed his creativity by attending the School of Design, graduating with a major in Industrial design. During the degree he

developed a passion for form and the aesthetic appeal of a product and how to utilise CAD software to realise and develop a concept. Joining Wingnut Wings as a 3D modeller has furthered his skill in these areas through the creation and manipulation of complex 3D forms.

When not designing WW1 model aircraft, Darren enjoys graphic based art and t-shirt design, a lot of which is influenced by his interest in pop culture, typography and the retro 1950s. Outside all that, Darren is a self confessed movie buff and sports fan.



Box Art by Steve Anderson

Steve Anderson is an avid historian of military aviation, with a special interest in the many beautiful biplanes and triplanes of World War I.

The aircraft and battles of famous World War I aces such as Baron Manfred von Richthofen etter known as the "Red Baron"), James McCudden, Raoul Lufbery, Ernst Udet, Werner Voss, and other pioneers of dogfighting are among Steve's favorite subjects.

An Artist Fellow of the American Society of Aviation Artists, Steve creates works that reflect scrupulous attention to historically accurate detail, from the colorful markings on the fuselages to the time of day of an actual battle.

Visit Steve's website at: www.anderson-art.com.



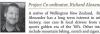
Profile Art by Ronny Bar

Ronny Bar developed a keen interest in airplanes from an early age, living close at the El Palomar Air Force Base in Buenos Aires. He first flew in the back seat of a T-34 Mentor trainer at the age

of ten, and was soon drawing airplanes and building models: Spitfires and Messerschmitt first... Camels and Folklers later. He became a successful bass player with a career lasting over 35 years in several Rock bands, recording ten albums (one of them being a National hit selling more than 100,000 copies) and performing countless concerts, TV shows and tours all over Argentina.

Now retired from the R'n'R scene, his interest returned to his early passion: Aviation Artwork. Visiting the WW1 aircraft collection at Hendon focused his already growing interest for that historic period. His artwork is regularly appearing in journals and publications like Windsock Worldwide, Windsock Datafiles, Cross & Cockade and Over the Front.

Visit Ronny's website at: www.ronnybarprofiles.com



Project Co-ordinator, Richard Alexander

A native of Wellington New Zealand, Richard Alexander has a long term interest in military history, race cars & local drivers from motor sports golden era of the '60's. Other interests

An accomplished modeller Richard's models have twice been awarded Best Overall in Show at IPMS(NZ) National Conventions and earned him the inaugural TamiyaCon(NZ) Master Modeller award (along with the associated trip to Japan) in 2001. Many of his works are in private collections around the world, though he no longer accepts commissions.

Richard has been in the model and hobby industry since 1991 and brings with him a keen eye for detail and a passion for ensuring our models are enjoyable to build. So if there is anything you don't like about this model, you can blame him.

If you do have comments, requests or suggestions, Richard is contactable at richard@wingnutwings.com



32072	1/32 Sopwith F.1 Camel "USAS"	Qty
0132070A	A parts	1
0132070B	B parts	1
0132070C	C parts	1
0132070D	D parts	1
132E0012	E parts 140hp Clerget 9Bf Engine	1
132E0026	E Parts 160hp Gnome 9N Engine	1
0132070P	Photo-etched metal parts	1
7132072	Instructions	1
9132072	Decals	1

If you have any damaged or missing parts please contact help@wingnutwings.com for assistance.



32007 - 1/32 DH.9a "Ninak"



32019 - 1/32 Pfalz D.XII



Also available from www.wingnutwings.com

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