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WVI come ratesies are contentions at the less of time and we have done on best to provide what we consider to be accurate passing information for the instancial for the instancial flower in the models, the way of the provide passing information for the instancial flower in the instancial flower in the content when have attached to their fling, interior funding colours are thought to be variabled used with media backets and fittings in lack. The metal finely frame appare to have been given into the name light but colours at he wing understanges strate. Bamples CVD interior materials were were usually light bear and to use a finely passing the colours at the wing understanges strate. Bamples CVD interior materials were were usually light bear and to use of the colour strate of the colour varieties and part one of the to general control flower of the colour strate or the colour varieties and great one of the top unfrace cannoting colours. After aircraft received lenging faints covering later in the way, the vast majority of which was of the S colour variety. Additionally many coloural unit and previous and provided to obtain the desired and part of the colour variety. Additionally many coloural unit and previous and part of the S colour variety. Additionally many coloural unit and part of the colour variety and distinguished to the strate of the colour variety. Additionally many coloural unit and part of the colour variety. Additionally many coloural unit and part of the colour variety. Additionally many coloural unit and part of the colour variety. Additionally many coloural unit and part of the colour variety. Additionally many coloural unit and part of the colour variety. Additionally many coloural unit and part of the colour variety. Additionally many coloural land and part of the colour variety. Additionally many coloural land and part of the colour variety. Additionally many coloural land and part of the colour variety. Additionally many coloural land and the colour variety. Additionally many coloural land a

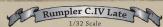
1x 7.92mm lMG 08 or LMG 08/15 'Spandau', 1x 7.92mm LMG 14 or LMG 14/18 Parabellum, over 50kg of bombs.

References:

Rumpler C.IV Windsock Datafile 35, PM Grosz 1992 - Flight Global Archives (www.flightglobal.com), February 1918 &

September 1918 - 1914-18 Aviation Heritage Trust - The Vintage Aviator LTD - Colin Owers - Private Collections.

WWW.wingnutwings.com



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, Beware of sharp edges on metal parts.

Assembly:

Read all the instructions carefully before starting assembly. Use glue intended for plastic models. Before assembly select a marking option and note optional parts required in instructions.

If installing rigging please drill out all location holes with a 0.5mm drill bit to a depth of at least 1mm.

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. For large decals it is helpful to apply a drop of water to the area they are eing applied to. This will make it easier to maneuver them into the correct position.

Please visit our website for additional photos, hints and tips to assist you in getting the best result from your Wingnut Wings model.



Part Number



Choose



Attention





Decal Photo Etch Part



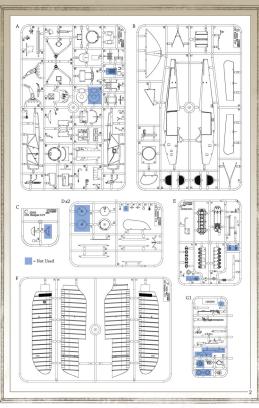
Cement For Metal

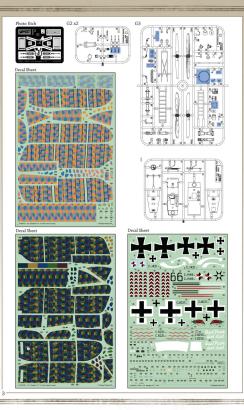


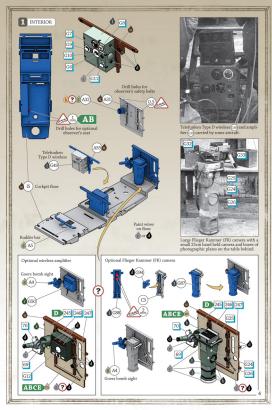


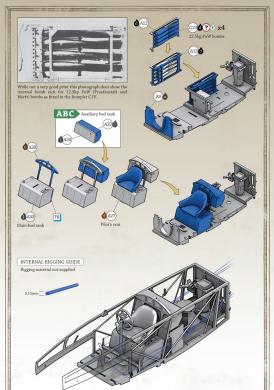
		Humbrol	
a Brass	X31	54	
b Gun Metal	X10	27004	
c Aluminium	XF16	27001	
d Black - semi gloss	X18	85	
e Field Grey - matt	XF65	116	
Leather - semi gloss	XF52	62	
g Grey Green - matt	XF76	90	
h Red - semi gloss	X7	19	GC15
i Rust - matt	XF9	113	
j White - semi gloss	XF2	34	
k Wood - semi gloss	XF59	93	
Grey - matt	XF22	92	
m Bleached Linen - matt	XF2 (x10)+XF55(x1)	22(x10) + 148(x1)	
n Copper	XF6	12	
O Yellow - semi gloss	XF3	99	GC14
P Rubber - matt	XF69	66	
Mauve - semi gloss	X16(x1) + XF52(x2)	68(x1) + 29(x2)	GC02
Dark Green - semi gloss	XF61	30	GC06
Pale Green - semi gloss	XF71	78	GC04
Light Blue - semi gloss	XF2(x10) + XF18(x1)	34(x10) + 96(x1)	
u Dark wood - semi gloss	XF68	64	

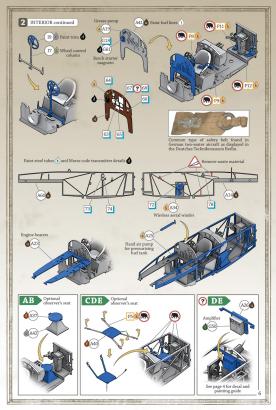
Note: Apply clear varnish to achieve the desired gloss or semi-gloss finish. 'See our website hints and tips for painting wood.

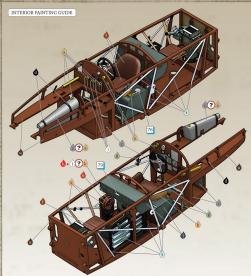






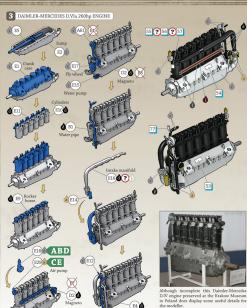






This Rumpler CL/III/IV(?) was restored in the late 1970s and is now on display in the Deutsches Museum von Meisterwerken der Naturwissenschaft und Technikhas in Munich. While if features many anomalies when compared to a true CLIV (wooden internal bomb rack, lozenge wrapped struts and 180hp Dainler-Merceles DIIIIa engine for example) it nevertheless provides some useful information for modellers.









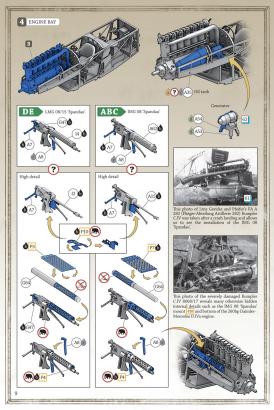
Daimler-Mercedes D.IVa engine detail from Rumpler 1421/17 A showing the insulated intake manifold, water temperature thermoan altimeter D3 + 75 pended between the

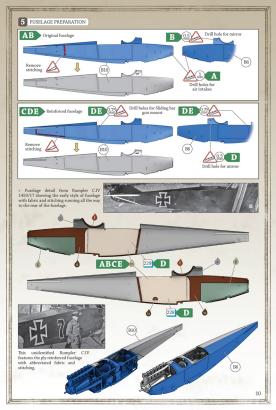
Water pipe

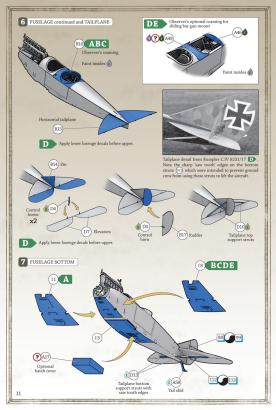
mirror (675) fixed to the front left strut. The Daimler-Mercedes D.IVa engine needed be tilted to starboard in order to fit the tight confines of the cabane struts.

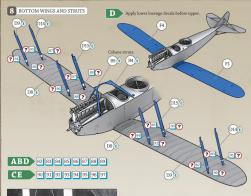


Daimler-Mercedes D.IVa engine with small air pump (E18) .











Wing strut rigging detail from early production Rumpler C.IV 6758/16. The struts and many metal components were finished in light blue (1).



Wing walk detail from Rumpler C.IV 6758/16.

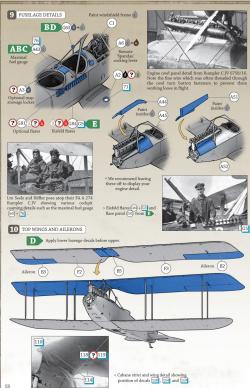


Strut and rigging detail from Ltn Duphorn's crashed Rumpler C.IV 7620/17 (possibly from FA A 283 at Omencourt France). Note the wing attachment instructions [53] doped to the side of the fuselage, late style wing strut identification marks [30], [91], [92] & [93] and barograph [63] + [14] suspended between the struts. Note that rigging turnbuckles are only present where



An early form of strut identification mark 86 & 87 can be seen in this close up of Rumpler C.IV

1421/17. they attach to the bottom wing.







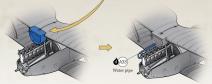
Windhoff radiator (st) + (st) detail without any shutters. Radiators appear to have been painted the same light blue colour as the struts, although the top surface was often camouflaged.

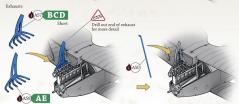


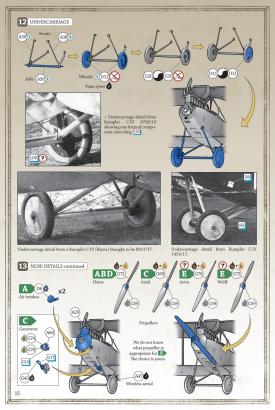
Windhoff radiator (87) + (88) detail with shutter (41) . Note the exhaust support bracket (88) .



























LVG style gun ring

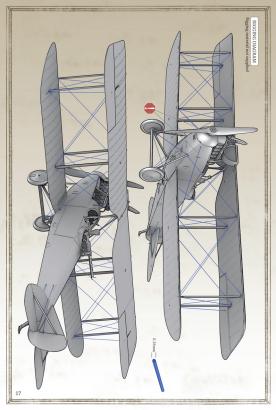


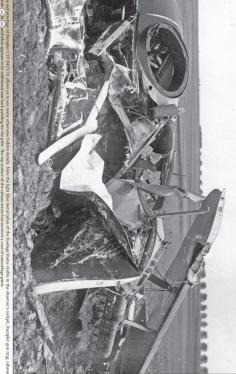


Rumpler style gun ring (10) from C.IV 1421/17.
Note the gun butt cradle (13) and trim vane (13) used to assist rotating the ring in flight.













^ Lts Gunther Wolff & Joseph 'Sep' Hennen of FA A 209 display some of the reconnaissance equipment carried in their 270hp Maybach powered Rumpler C.VII 6477/17.

v Selection of Flieger Kammers which could be carried by Rumpler C.IVs, from left to



25cm hand held camera (89) + as carried by Gunther Wolff.

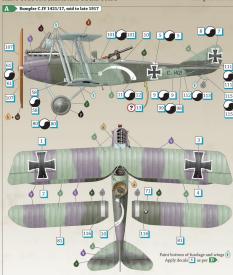


Alternative Parabellum mount and magazine fixed to an LVG style gun



Photographic plates (624).





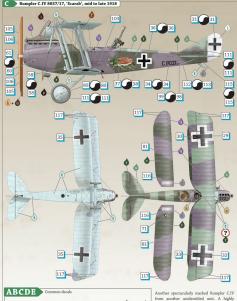
From a February 1917 production order (numbers 1421/17 - 1520/17), Rumpler C.IV 1421/17 serves as a backdrop for this photo of (unfortunately) unidentified pilots and observers from an equally unidentified Flieger-Abteilung. The ever popular comet marking has been applied to the fuselage sides, top and possibly bottom. Note the thin early form of air pump (618) at the front of the Daimler-Mercedes D.IVa engine, white intake manifold, air intake scoops (D6) and wing assembly instructions 58 doped onto the fuselage next to the open access panel. The upper surfaces of the Windhoff radiator and cabane struts could have been (t) as illustrated here or possibly camouflaged





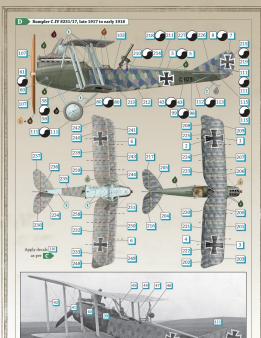
spectacularly marked Rumpler C.IV 1449/17 has come to grief and serves as the backdrop for several photographs. The colours of the Imperial German flag have been painted on the leading edges of the wings, around the struts and as diamond patterns on the fuselage and wheels. A black 6 pointed star is painted on the nose behind the propeller. (see page 26). Unfortunately no personnel or unit identities are known to us. Perhaps you can help? See also page 26.



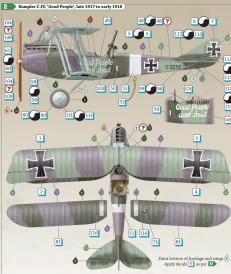




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Rumpler CIW 8231/17 is from the same July 1937 production order as @ frumbers 7950/17 -8399/17) but is one of the oarifranse overed with lowerge fairth, in this case the 50 door trye with alonger spite faded. It is also intell with a specialised bilding har style of gum mount which would aft first glance appear to be a steep backwards in design from the more common types of gum in garrierly by Rumpler CIW. The vertical lines on the initials of the stratts appear to be some sort of vagraing to the observer to be doesn't shoot them. Note the amenometer fixed to the port front inner strut and altimeter (iii) - [23] suspended from the calanes structure.



The phrase 'Good People Don't Shoot' has been seen on several German aircraft in both German and, as seen here, English. Judging from the observer's fully armed Parabellum LMG 14 it is not this (unidentified) crew who the phrase is intended for. Note the 'sliding bar' Parabellum mount, rack of Eisfeld flares G84 . Eisfeld flare pistol (38) and Parabellum LMG 14 machine gun. The end of the empty ammo belt is clipped to the side of the gun to stop it flailing around in the airstream. Unfortunately the true identity of this 1917 production Rumpler C.IV is not known but all indications point to it being a late model 260hp Daimler-Mercedes D.IVa powered aircraft; the fuselage has the ply reinforced rear section with abbreviated fabric stitching and the remote 'Spandau' cocking lever (A6) is faintly visible (these were often removed, along with the 'Spandau' to improve performance on Maybach and BuS powered aircraft). We have included a spurious (but plausible) serial number 48 for you to use if you wish, or you can cut it up, rearrange and combine with numbers from the other decals to create any known 1917 production Rumpler C.IV serial number.





Another view of Rumpler C.IV 1449/17 | showing radiator detail propeller laminations and 6 pointed star on nose behind propeller.

This rare in flight photo allows us to see the different styles of camouflage application to the top wings and tailplane. Note the post March-April 1918 balkenkreuz markings and white(?) fuselage band.





## 3-D Modelling by Bryan Wall

Bryan Wall is a product designer, specialising in computer aided design and 3D modelling. He has 9 years experience as a designer for consultancies in the UK and New Zealand, and has designed, engineered and modelled a wide variety of products,

from exercise bikes, barcode scanners and razors, to windscreen Bryan is particularly interested in the ingenuity of the design and engineering evident in these planes, and the comparison of the concurrent development between the warring nations. He is also fascinated with the history conveyed through the surviving reference

photographs and drawings. "God is in the details" as they say in the design industry and Bryan feels that the attention to detail and curacy of the Wingnut Wings kits is what makes them so special Aside from design, Bryan is interested in a wide range of sports and music, he is a guitar player and is currently teaching himself the piano,



longer accepts commissions

## 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

include mountain biking, scotch and cigars 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

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 tactable at richard@wingnutwings.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

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



## Box Art by Steve Anderson

Steve Anderson is an avid historian of military aviation, with a special interest in the ma beautiful biplanes and triplanes of World War I. The aircraft and battles of famous World War I aces such as Baron Manfred von Richthofen (better 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

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

time of day of an actual battle.



32037	32037 1/32 Rumpler C.IV Late	
0132023A	A parts	1
0132023B	B parts	1
0132023C	C parts	1
0132023D	D parts	2
132E0003	E parts Merc D.IVa engine	1
0132023F	F parts	1
132G0001	G0001 G1 parts	
132G0002	G2 parts	2
132G0003	G3 parts	1
0132037I	I Parts	1
0132023P Photo-etched metal parts		1
7132037	Instructions	1
9132037	Decals	1
9132037Ъ	Lozenge decals upper	1
9132037c	Lozenge decals lower	1

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



32012 - 1/32 RE.8 'Harry Tate'



32006 - 1/32 Pfalz D.IIIa



Also available from www.wingnutwings.com

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