

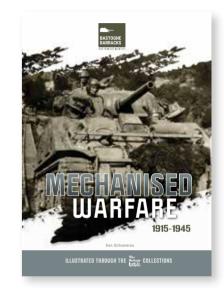


Mechanised warfare

1915-1945

In 2022 the **War Heritage Institute** largely refurbished its Bastogne Barracks scenography in order to present visitors with a unique and enriching experience. The exhibition halls house a large collection of Second World War vehicles and guns. This military paraphernalia, ranging from the small Willys Jeep to the imposing ISU-152, over the Scammell, the Pacific, the Panzer IV and several Sherman variants, offers an insight into military mechanisation in the 1930s and '40s.

The **WHI** now completes this permanent set-up with a book highlighting thirty years of military vehicle developments in Belgium, France, Germany, Great Britain, the U.S.S.R. and the United States. Readers can in that way discover the histories of both the vehicles on display and the belligerents who deployed them during the war. Detailed information about the specific technical features of each vehicle, as well as anecdotes about their operational usage pepper the pages of this book focusing on men, machines and war.



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THE FIRST WORLD WAR: STARTING WITH A BANG

With Robby Houben, historian and e-curator, War Heritage Institute



Among the pioneers of motorisation is... the Belgian army! In 1914 it has some twenty cars⁶⁵. To expand its fleet, it requisitions a large number of civilian vehicles, along with their drivers and mechanics. There are no plans to 'militarise' them. Reserve Lieutenant Henkart decides to them. Reserve Lieutenant Henkart decides to armour his two personal cars, a Pipe and an Opel. He obtains steel plates from the Cockerill shipyards in Hoboken and has workers from the Belgian automotive company Minerva mount them on his two vehicles, which he then equips with Lewis machineguns.

Reconnaissance and raids for the headquarters are carried out until 6 September 1914, when Henkart and his crew are killed near Westerlo⁶⁶. The initiative partly gives rise to the creation of the corps of self-propelled guns

armies dig in, traditional cavalry units lose their purpose and usefulness. It is only in 1918, when the front breaks and the Allied armies pursue the the frost breaks and the Allied armies pursus the nemry, that cavaly is once again deployed, and even charges. On 19 October General Buffirs (and Colone) van Strydoncks**] coardymymen indeed launch an attack on the German troops need Busklen, are presension of frustration after almost four years of trench warfare. Tanks appear on the battlefeld in 1916. They are love, clumys and awkward, but definitely do leave the strength of that unfolds its full potential during the Second

65 BRABANT W. dier. qp. cit. p. 85.
66 Bell DOX, M. Let promier pr set for binder be lege... , in Tools Morean News. 1997, p. 7.22.
67 After the Great We be it promoted to the rank of general and takes on the name of "vas Strydock de Burkel". After the defeat in May 1940 be levers for Great Britain, in the valke of the Perket provenment. He rounds up the Belgian troops who also fied the country and who have on constitute the Province Bilgian, among others.

(autos-canons-mitrailleuses ACM) that will fight in Russia. When the front stabilises and the

Courtesy of Lieutenant Henkart's experiments the Belgian army becomes a leader in the field of amoured gun vehicles. In 1914 it places an order for some thirty such pieces with the SA-VA (Société anversoise pour la fabrication de voitures automobiles) and Minerva companies in Anthewp. After the German capture of the city on 10 October 1914 manufacture of the self-propilled guns is entrusted to Mors, a French company then headed by André Citroin. The cas are efficient entails. They are nevertheless used for patrol operations, although the flooded West Flanders plains do not allow for easy movement. The cars prove useless in a war of attrition, but some of them nonetheless remain attached to the divisional cavalry, and a mechanised unit is established as well.

Minerva self-propelled gun, drawn by Alfred Bastien (Belgium, 1915) - Chinese ink on papi

MORS/MINERVA SELF-PROPELLED GUNS

headed by André Citroën. The cars are efficient

to raid the Germans, but have no roof, leaving the crews exposed to enemy fire. Moreover, the

front grinds to a standstill by the end of 1914

the new combat conditions that trench warfare

and the self-propelled guns are not suited to

probably upon a joint initiative by Baron Pierre de Caters and General Henri Clooten, commander of the Belgian base in Calais. Some hundred volunteers are recruited, initially to prepare the country's rapid re-conquest. The immobilised front of course cancels that idea

Goodwood 18-20 July 1944 Urged by the Americans to accelerate his advance towards Caen, British General Montgomery decides to launch an offensive towards the Bourguébus ridge, southwest of the city. He deploys three armoured divisions equipped with Shermans, Shermans Firefly and Cromwells. These impressive resources cannot prevent the British vehicles from encountering determined and well-organized German defend especially in the villages along the ridge. The site is indeed taken but the British lose almost 300 tanks compared to about 100 vehicles or German side. On 20 July heavy rainfall paralyses the front, marking the end of Operation

The Piron Brigade in Normandy

8 August-2 September 1944
On 8 August 1944 the Piron Brigade, named after the major in command, lands in Normandy.
The unit, also called 1st Belgian Group, consists of Belgians and Luxembourgers who managed to reach the United Kingdom. It appears at the front on 13 August and mourns its first victims on 16 August. The unit then liberates the Côte Fleurie, as well as the towns of Cabourg. Deauville and Honfleur: it comes to a standsti in front of Le Hayre. The advance claims 27 Brigade lives On 4 September Piron and his men enter a cheering Brussels, after which they head towards Leopoldsburg and Maaseik. The unit then takes part in the fighting raging in the Notherlands 132



red Car with the 1" Belgian Briga

MONS
3-8 September 1944
In September 1944 the Americans chase the German army throughout Belgium. About 70,000 Wehrmacht soldiers (7. Armee and 5. Panzerarmee, as well as Kampfaruppen and various other units) are trapped in an enclave between Quiévrain and Jemappes (the 'Mons Pocket'). They are not only in the line of fire of 3rd Armored Division Shermans, but also mercilessly bombed. Some 25.000 soldiers and four generals are captured: 3 500 German soldiers die in what is later called Small Salingard. However, more than 30,000 Landser also manage to escape via secondary roads. Various resistance groups offer the Americans effective support, but pay a heavy price in the province of Hainaut. The 3*Amoreed Division crosses the country in a mere week. Binche, Charlero, Namur, Huy and Liége are liberated. It is the first Allide until to capture a German via retreating to defend the homeland and the homeland and the chosts taking lose in Belotium are mere delaving Stalingrad However more than 30 000 / andser fights taking place in Belgium are mere delaying tactics rather than real defensive efforts¹⁵³.

Arracourt
19-22 September 1944
By mid September 1944, just as General Patton's
3* Army crosses the Moselle north and south
of Nancy, the S. Panzerarme led by General der
Panzertruppen Hasso von Manteuffel is tasked with destroying the American elements east of the city. In the subsequent confrontation near the village of Arracourt, the German 111. and 113. Panzerbrigaden face the vanguard of the American 4th Armored Division: one of the most intense tank hattles of the entire campaign in the West. For three days the German. —
Panzer IVs and the Sturmgeschütz engage the West. For three days the German Panthers. Panzer IVs and the Sturmpeschiliz engage with the American MS41 Shustrs. Shermann and M18 Helicats. The Battle of Arracourt is a textical triumph for the 4th Amorphovision, as it defeats two Panzerbingaden and inflicts significant diamage, with only limited casualities in its own ranks. By the evening of 22 September 1444 Combat Command A of the 4th Ammord Division has lost 24 guns (flouriteen M4s, three M18 and seven MA51s), while German losses total 79 guns, plus 75 others damaged and abardoned or quiet unusable. abandoned or quite unusable.



the American 3rd Armore

153 COLLIGNON, A., Bataille de la « poche de Mons », in CEGESOMA, Belgiuse WWII. http



The Panzerbefehlswagen IV J displayed in the Battle of the Bulge gallery at Bastogne Barracks.

PANZERBEFEHLSWAGEN IV AUSFÜHRUNG J: A ONE-OFF SURVIVOR

This extremely rare piece is the last Panzer IV J command vehicle in the world. It is put on display at Bastogne Barracks.

the Wehrmacht Armament Directorate, requests a backing for the future Panzerkampfwagen III. The tank has to provide fire support with a 7.5-mm low muzzle velocity gun. The vehicle must not weigh more than 24 tonnes (the load capacity of field bridges) and has to reach a road-speed of 35 km/h. After tests with various prototypes, Krupp's project is selected for serial production in 1935: the first PzKpfW IV A leaves the factory in October 1937.

The tank has modest dimensions (a length of 7.02 m - a width of 2.88 m - a height of 2.68 m), can carry five crewmembers and weighs 25 tonnes. Initially, the Panzer IV only has to closing in, crews regularly have to deal with enemy armoured vehicles. The short 75-mm gun cannot pierce a French tank at more than



to 80 mm. The tank is powered by a 300-hp and 12-litre cylinder Maybach HL 120 TRM engine. In 1940 the Germans possess 250 such items. In 1940 the Germans possess 250 such items, but 8,531 copies of various versions are built between 1943 and 1945, which turns the Panzer IV into the true linchpin of German armoured formations. It is also the only armoured vehicle fitted with a turret that can be mass-produced by the Nazi military industry. Heinz Guderian therefore insists on maintaining production, which slightly nostrones the sectious livit. which slightly postpones the eventual but inevitable collapse of the Panzerdivisionen

The Panzerkampfwagen IV Ausf. J is the last version of the Panzer IV medium tank to go into production before the end of the Second



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of 1,758 units are assembled until March 1945, alongside 278 undercarriages for the Panzer IV/70(A) (a version without turret) and 142 others for the Brummbär assault gun (Brummbär

could be translated as bad-tempered hear) It is an version of the Panze IV. intended to IV, intended to absorb the terrible losses suffered on the Eastern front. During the summer of 1944 the Panzer IV loses much of its credentials as a main combat tank, and of the three

A Panzer IV Ausf. J with the 12. SS-Panzerdivision 'Hitlerjugend' near Rouen in the summer of 1944. © Bundesarchiv, Koblenz, n° 1011-493-3355-1