

1916 - Aviation engines Diatto-Bugatti

The magazines of the time celebrated the partnership's success:

"Official test of the Diatto-Bugatti engine: a technical masterpiece of unparalleled precision, constructed with robust materials of the highest quality, a compendium of the most modern technologies".

#### 1919 - 1923 Luxury cars Diatto-Bugatti

After the war, the collaboration was extended to the design and production of road and race cars, with Bugatti chassis and Diatto engines and vice-versa.

A total

of 50 Type 22 Bugattis were bought in chassis form, to be fitted with Diatto radiators and bodies. The reason for the directors' caution is not hard to find. Though the company had, on paper, done well from war production, the politicians in Rome proved to be very slow payers. This caused such a crisis that the Diatto family lost control to the Gussi brothers from Bergamo.

(From The Automobil, october 1999; see Print in English)

Just before the war, Diatto reformed a working partnership with ex designer Ettore Bugatti, who had become a manufacturer in his own right. This partnership proved to be long and prosperous due to their shared expertise in the automotive and aviation industries.

Diatto's "full cycle precision mechanics" and the ownership of their own foundry for cast iron, aluminium and bronze, were also unique platforms within the automotive industry.

Bugatti sold the patent of his 8 cylinder aviation engine to Diatto, which was to be constructed during the war.

On 23rd September 1916, Diatto sent Bugatti an enthusiastic telegram:

"I am happy to announce the excellent results for the engine ... the testing resulted in a brilliant 210 HP".

> "HEUREAUX VOUS COMMUNIQUER. EXCELLENT RESULTAT MOTEUR CINQUANTE HEURES TERMINEES CE MOMENT. SANS LE MOINDRE. INCIDENT SAUF CHANGEMENT UNE BOUGIE. ESSAI COMMENCE A MOYENNE DEUXCENTCINQUE CHEVAUX PREMIERES DIX HEURES TERMINA AVEC MOYENNE DEUXCENTNEUF FINISSANT DEUXCENTDIXSEPT TRES BRILLAMENT. STOP RETENONS MEILLEUR ESSAI EXECUTE JUSQU AUJOURDHUI SUR TOUT AUTRE MOTEUR STOP ACEPTEZ NON FELICITATION = AUTOMIBILES DIATTO. "





n 1919, at the International Salons of Paris (the company had a branch in the Champs-Elysées) and London, Diatto presented five top of the range cars, including the "16 valve Diatto 30", featuring chassis designed by Bugatti:

Luxury Torpedoes, Convertibles and Coupés with internal steering, refined bodywork and antique silk and velvet upholstery.

## LA 15<sup>HP</sup> DIATTO

(LICENCE BUGATTI)

### CARACTÉRISTIQUES GÉNÉRALES

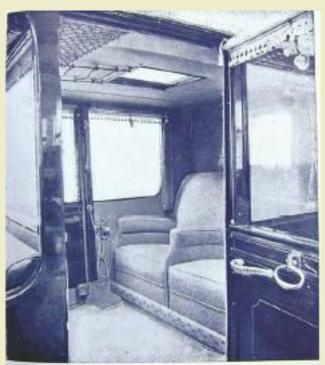
E MOTEUR, du type monobloc à quatre cylindres, alésage 68 millimètres, course 100 millimètres, présente, dès l'abord, cette particularité que les soupapes commandées sont au nombre de seize et logées dans le fond des cylindres. L'arbre à cames, placé au-dessus, fonctionne dans un carter rempli d'huile et facilement démontable.

Les engrenages de distribution sont coniques et enfermés dans des carters.

Le carburateur est du type automatique. L'avance des gaz est commandée par une pédale.

L'allumage s'effectue par une magnéto à haute tension

Brochure of the Diatto-Bugatti, presented at Paris and London motor show, produced from 1919



Il reports addellar school del coupt Flotte



## INTRODUCTION

'ACHETEUR D'UNE DIATTO — licence Bugatti — sait ne pouvoir trouver nulle part ailleurs l'équivalent de ce qui lui est offert. Il n'ignore pas que le châssis présenté est une véritable création, qu'il a été conçu, étudié et exécuté dans un but précis, qu'il constitue, en un mot, la solution concrète d'un problème dont, préalablement, toutes les données ont été soigneusement et clairement déterminées.

Ces données, c'est la clientèle elle-même qui les fournit. Elles peuvent se résumer dans le mot : Economie.

> ÉCONOMIE DE TEMPS ÉCONOMIE D'ENTRETIEN ÉCONOMIE D'ACHAT

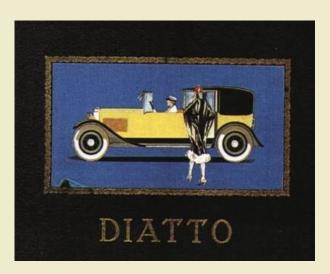
ÉCONOMIE DE TEMPS, car il serait puéril de nier que le tourbillon de la vie moderne, encore accentué par l'influence de cinq années de guerre, entraîne à se déplacer de plus en plus vite. Non pas certes qu'une folle allure

- 5 -

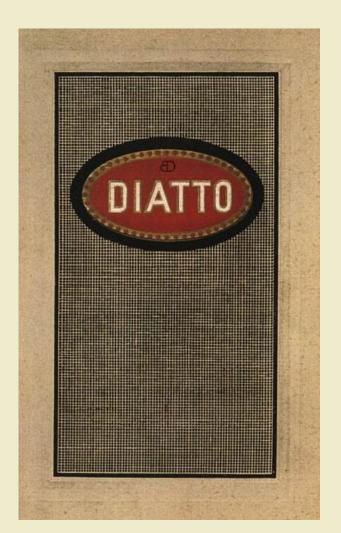
The Paris upper classes, from Princess Murat to Madame Gould, bid against each other for the most luxurious Diatto-Bugatti cars at a price of 100,000 franks (the price of a Rolls Royce at the time).

Luxury interior of Diato-Bugatti

#### - 1919 -Paris International Motor show -The Diatto 30 Bugatti



Brochure of Diatto 30 Bugatti



THE STATE OF THE PROPERTY OF T

25 Superior DH1

NAMES AND ORDER OF SPECIES

True S

# La magnifica prova del motore "DIATTO-BUGATTI'

50 ORE DI MARCIA PERFETTA

Spinispe sigl so this proced integer extreme with poles Model's reticular late, the success the fields of speciio copel healt stated, its success the fields of specilications is excelled, one called odds DOMS SCHIES of highest extended on this owner publish a transfer of the light placeted problem field transfer controllers is in placing of the cold problem field transfer controllers is in plases, officials and summing proteons.

The equivalent is Takin it is facilities of the Sidetime of blook delt. Bathe it is not complete beforemen to grown parts dails if one it massis, per fit adjusts of the size autom. Entire Augustica wite utunks to 200 Hz year sentance.

dell'araba estara petera presenti parite sei presen alarone tiero sel venicie e coccostra parite sei presen a registrata del missione.

The terrelative staff I provide all accordance from the provide state of the filter of the state of the state of the state of the filter of the state of the stat

On the special country in the experience contain.

So possible is because of child attention on the operating that a demand on the experience day to controlled a plant about the controlled and the country of the coun

Court for pherion o girones à un passio fon motion or une parent et al. Arrespo laber el lacer d'acces diffice par il lacer de arrespo, per 15 cett forces, per 2 cett forces, per 2 de la lacer de lacer de

I reflet, git speringstem i remort i meshanni di dudit il rescott, quel cles ma melle de Silvinia propira per deposi suro di dubito e l'arma na insi disertiman per la la propina ciu mana bilano di dile i particolari sensi la mana di perita sine in mangana di dubito i particolari sensi la di partia sine la menerale producti espeni, jutali, laceri precese sicretti titti anticiatato par consiste est quel l'esta pagniste del l'appre dance e terminale l'esta per la collection, quel l'escalari della l'esta per la collection, quel l'escalari della l'estante è pi la per la collection, quel l'escalari della l'estante è pi la per la collection, quel l'escalari della l'estante della per la la collection, quel l'escalari della l'escalari della collection della l'estante della per la collection quel l'escalari della l'escalari della l'escalari della l'escalari della l'escalari della l'escalari della lessa della l'escalari della l'es

Manager to job yet in the hard of yet if from held common for here were to be a former of the common design of the common of the

corrected de approprie al proprie, losses esche e passille catental controlled, forth propri taret e defaul presillem di di bronstan, basse (messes (messes describe distribute control

H. Andre are gright for one measure cast in spirit grands between modes and administration of internation modes and administration on the second modes and administration on the second modes and administration of the second modes of the second constitution of the second of the second constitution of the second of the second

At such order specime of colors, the extraordiscolorance is reduced to reliance discrete in Special in coloral guests, and all question constitutes (and to see excellent and other parts), and the see excellent and other parts of provide to reconstructions or the other parts of the colorance per lower accompanion of discrepanion is clearly as the constitution of colorance agent and parts (and the measurement of per case cases discrepanion as approximately faith data great as one per case cases discrepanion as per terminal consequence of the colorance and co

He medicar data is make with appear communities to a rate or wearing we see a global pagin, a present measurement of the property of the special feature is the special of the special or spe

Not position estate this to not enter and falls about term mean for fractions extend for fractions process. It cleans a plant in the process of the processor of the contract of contraction in the contract of contraction as more plants. For the A facilities of Arterior extended to the Contract of the C

I matter Rech Regule come pli al diden, i e è qui liabil, dired le des garges de l'abbel disessant, e e de elleptre per la règleme accès, disestes dels app depire d'un collèticole l'abelian el des les galisais de ser me rèmente, il en motor pode de cet dels aux appears ellerités mais india sua realis en vers incole al passant, il come de la come l'imation dels resus autre des contrattes ellerités mais india sua realis en vers incole al passant, et au come l'imation dels resus autre desse des

It makes Donks Equate inclose mote a determinary scientifi il reletato, se qual inscrippiona al soprange la astronome di parcolo arme pridenti statibi e Manta per technic difficultà estettion superatoriames appel la configiatione e la specimentare comme digli. Speggati a disminimizatione della Releta-

the but quies to live treates a company, a 2 and the contraction on a sign per drawner in memory care been a second of the contract of the period of the contract of the period of the contract of the contrac



In the first post-war race, Diatto won an outstanding first and second place, Diatto 30 (Bugatti) and Diatto 4DC, at the Parma-Poggio di Berceto (see advert).

Diatto sales of cars in the wake of these continuing victories rose sharply, enabling the company to optimise its production capacity.

An excerpt from the 1919 press:

"the names Diatto and Bugatti, with their long and sound tradition of mechanical engineering and daring innovation, brought together into a single enterprise, are extraordinarily eloquent and significant for any technician or automobile enthusiast".

In 1921, Diatto and Bugatti agreed to construct a special series of race cars, initially with 25 HP Sport Diatto chassis modified with tubular axle, and 1500 cc 4 cylinder Bugatti engine with compressor.

1919 - First race success Diatto - Bugatti

l nomi del resto di Diatto e Bugatti, della sana e so tradizione meccanica e della più ardita e geniale innovazio intrecciati e fusi insieme in un'opera comune, sono gii stra ordinariamente eloquenti e significativi per ogni tecnice per ogni automobilista.

La Diatto tende a specializzarsi nella vettura leggion

La Diafto tende a specializzarsi nella vettura che è poi la vettura moderna e la vettura di grande acree che è poi la vettura moderna e la vettura di grande acree re, aspira in questo ramo al primato, e il passo decisivo de la compiuto dal pur ottimo e irresistibile modello DC di nuovo modello 30 licenza Bugatti, veramente sonza riscuel suo genere, mostra che l'aspirazione è pressina a restutazarsi.

Per la Diatto 30 licenza Bugatti, il calcolo non è ancora stato istituito dato che il suo motore è di mm 68 per 100, mentre il calcolo è fatto per mm. 60 o 650 70, ma anche giudicando approssimativamente si scorge che la sua tassazione si aggirera sui 15 o 16 HP e cioè da 100 a 410 lire, pur essa inferiore a quella di egni altra vettura, mentre indubbiamente il motore modernissimo di questa Diatte con 16 valvole in testa è superiore in potenza a quelli di vetture che pagheranno una tassa anche doppia.

These special Diatto-Bugatti racing cars, lightweight and powerful, enjoyed considerable success in rallies and uphill competitions.

The Italo-French champion Franz Conelli, at the wheel of one of these *Diatto-Bugatti* 1500 cc race car, won international races such as the Gran Premio Gentleman of Brescia and the uphill time trials of Susa-Moncenisio and Aosta - Gran San Bernardo (30 km uphill, with a lead of 6 minutes over the powerful O.M. from Desio).

### L'AOSTA-S. BERNARDO

LE CLASSIFICHE: Categoria 1500 cmc.

- CONELLI FRANZ (Diatto-Bugatti), coprendo i Km. 30.500 del percorso in 38'35''3/5;
  - 2. Desio (O. M.) 44'37"1/5;
- 3. Sirtori (Bianchi) 45'27''3/5; 4. Chiribiri Ada (Chiribiri) 50'27''1/5; 5. Petromilli (Star-Petromilli) 52'7''3/5; 6. De Prosperi (Prince) 54'6''; 7. Meinardi (Chiribiri) 57'43''1/5.

Furthermore, the Bugatti archives tell us that Bugatti race chassis n. 902 and n. 903, the second and third made for the "Brescia da corsa" model, were also equipped with the powerful 2 litre Diatto engine with 4 valves per cylinder, to witness once more the technological versatility of the partnership in racing:

Diatto chassis with Bugatti engines and Bugatti chassis with Diatto engines.

At the time of the Diatto-Bugatti victory at the 'Parma- Poggio di Berceto', in 1919 and up to the early Twenties, the press often identified Diatto-Bugatti race cars as simply Bugatti cars (the original documents can be found in the Diatto – Bugatti sections).

Nelle vetture di 1500, Franz Conelli, il favorito, su Diatto-Bugatti, ha vinto facilmente con un ottimo tempo attribuendosi un récord per le piccole macchine che non potrà essere tanto facilmente battuto: il precedente récord apparteneva a Monti con 51'53".





Age to construct it upsi general mention that a small reaction of the construction of

WITHELAND CRAFT R. REGISTE

## Il motore Bugatti per aviazione COSTRUITO BALLA " BIATTO .

was historication. If there's representation of the second of the second



ACTURE ARRO COCA E MUNICIPA Promotor tech

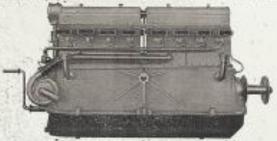
### UNA COSTRUZIONE ECCELSA

# IL MOTORE DIATTO-BUGATTI

IL SUO STILE E LE SUE PROVE

La contrata del giusi stados la femilia prestata reglegitat differeba del consocia discontinuidamente la manere a la femilia del consocia discontinuidamente la manere del consocial del

Now or proclime one up made or want tolk the set of the

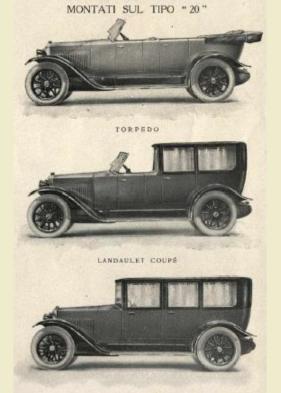


It More: MATTO SUSATT) are ordered, who day no dels organisate.

Since MATTO SCATTO are a statement of the statement of th

come. Price Ad No. Adv. corporated:

color 120 ori. Section 6. Advergios. Quanta per registron
competition (Linkington 6. 100 et gis Individuos), resource
and forms of the Table of the Advergios (Linking of the Control of the Contr



CONDOTTA INTERNA

