

richesse, déçoit cependant par un côté. Il y manque les hommes et leurs pratiques dans ces architectures nouvelles, ce qu'a si bien fait sentir W. Benjamin dans *Paris, capitale du XIX^e siècle*, Paris des flâneurs, des cafés, des luttes ouvrières, du commerce de luxe, de la misère. A trop vouloir coller aux formes architecturales, l'ouvrage relève souvent plus d'un inventaire qu'il ne permet de comprendre en quoi l'architecture est aussi un enjeu. Elle est pourtant un lieu de contradictions, de tensions entre des protagonistes (architectes, architectes-voyers, propriétaires, banquiers, entrepreneurs, usagers) et la production finale d'un bâtiment, y compris dans les détails de son architecture, est le résultat de compromis. Il faut voir dans ce livre le résultat de la première étape d'un programme de recherche.

Martine GRINBERG

1. Alain CORBIN, *Le miasme et la jonquille. L'odorat et l'imaginaire social (18^e-19^e siècles)*, Paris, Aubier, « Historique », 1982, 334 p.

2. Voir l'apparition par exemple des catalogues de décors de plâtre, de menuiseries, de serrurerie et les manuels de vulgarisation des techniques, réédités plusieurs fois au XIX^e siècle, de l'Encyclopédie Roret.

Bertrand LEMOINE, *L'architecture du fer. France : XIX^e siècle*, Seyssel, Éditions du Champ Vallon, « Milieux », 1986, 328 p.

Ponts, serres, gares, marchés, églises, galeries, kiosques, grands magasins, bâtiments industriels, verrières, salles ouvertes, *L'architecture du fer* présente les constructions métalliques dressées en France au cours du XIX^e siècle. Tiré de publications moins connues, richement illustré de plus de 500 photographies et dessins, l'ouvrage se divise en trois parties dont la plus copieuse concerne les typologies détaillées de cette architecture dont on a pu écrire qu'elle connotait les deux premières révo-

lutions industrielles et qui s'est éteinte, ici, durant la première guerre mondiale au profit de celle du béton armé.

Le métal fut d'abord un recours contre les incendies mais sa cherté en limita l'emploi à la charpente de quelques grands édifices publics. L'Angleterre, première puissance sidérurgique, sut tirer parti de son avance technologique pour engendrer cette nouvelle architecture que les ingénieurs-architectes français adaptèrent non sans difficulté (rupture du pont des Invalides calculé par Navier en 1824, chutes de ponts suspendus dans les années 1840) aux ouvrages d'art.

Après 1845, le succès de la construction métallique tient à la fois à l'essor de la sidérurgie française qui abaisse considérablement les coûts de production, au développement des communications qui peuvent amener à pied d'œuvre les éléments coulés à l'usine même ou à proximité du chantier, à l'épanouissement de la résistance des matériaux, cette science qui, deux siècles durant, resta rudimentaire, tant qu'elle ne s'appliqua qu'au bois, enfin à la précision du dessin industriel (Y. Deforge, *Le graphisme technique : son histoire et son enseignement*, même collection, 1981). « La construction métallique se caractérise sous forme d'éléments linéaires ou plans, réduits au minimum grâce au calcul préalable de la structure. Cette décomposition en éléments distincts, définis à l'avance et que l'on pouvait représenter séparément ne fut pas sans influencer sur la définition des projets techniques et économiques, ainsi que sur l'organisation et la conduite des chantiers » (p. 78).

La construction métallique engendre, à la charnière du demi-siècle, un large débat architectural entre les partisans de l'éclectisme, « cette paraphrase inventive des styles classiques » (p. 260) et ceux du rationalisme qui voient dans le fer un matériau nouveau porteur d'innovations. La bibliothèque Sainte-Geneviève dessinée en 1839-1842 et bâtie en 1844-1851, le Crystal Palace de l'Exposition de Londres en 1851 dont le mode de construction préfigure

Larchitecture Du Fer France Xixe Sia Cle Collection Milieux

Yves Deforge



L'architecture Du Fer France XIXe Siècle Collection Milieux:

L'architecture du fer Bertrand Lemoine, 1986 Indissociables des grands programmes architecturaux apparus ou renouvelés par le développement de la société industrielle l'architecture de fer est une des créations les plus originales du XIXe siècle. En moins de deux siècles les essais empiriques des constructeurs alliés ou concurrents des recherches physiques et mathématiques doteront l'Europe d'un nouvel environnement architectural. Parmi les nombreux prototypes réalisés les serres du Jardin des Plantes 1834-1836 ou la gare de l'Est 1851 Paris témoignent de la position avant-gardiste qu'occupait en ce domaine la France sous le Second Empire. La fonte, le fer et l'acier dont la résistance et l'élasticité se révélèrent peu à peu aux bâtisseurs et aux théoriciens vont se partager ou se disputer le premier rôle dans les ponts métalliques, ponts suspendus, marchés, bâtiments industriels, grands magasins, gares, expositions industrielles. Au triomphe du métal fait correspond pendant le siècle le grand débat sur l'esthétique et la modernité du fer qui oppose éclectiques et rationalistes.

Parisian Architecture of the Belle Epoque Roy Johnston, 2007-03-20 Turn of the century Paris is often referred to as the belle époque, a golden age of affluence and artistic creativity before the turmoil of the First World War. This was the Paris of artists such as Bonnard, Rodin, Seurat and Vuillard as well as writers and musicians such as Debussy, Zola and Maupassant. The Eiffel Tower had just been built and the Moulin Rouge was in its heyday. Paris was the cosmopolitan capital of pleasure and culture. The architecture of the period, however, has generally been neglected, known only for the Art Nouveau designs of Guimard's Metro entrances and restaurants such as Maxim's. This book, based on a thorough survey of Parisian buildings of the era, connects the medievalism of Viollet-le-Duc, the classical tradition of the Ecole des Beaux-Arts and early developments in metal and concrete construction with modern pioneers like Perret, de Baudot and Sauvage. Including the exuberant designs by architects working in the Ritz style as well as the work of a multitude of architects whose names are at present unknown, Parisian Architecture of the Belle Epoque is a truly comprehensive and visually sumptuous study of this under-exposed period of architecture.

Concevoir et construire en acier Bertrand Lemoine, Marc Landowski, 2012-02-02 L'acier est un matériau de construction universel, durable et recyclable. Il est présent dans les bâtiments sous de multiples formes et s'adapte aux nécessités pour combiner liberté de création avec efficacité constructive. Il offre des possibilités uniques de grandes portées, de souplesse d'adaptation, de combinaison avec les autres matériaux. Ce manuel présente de manière didactique et synthétique l'essentiel de ce qu'il faut savoir sur l'acier : ses performances mécaniques, sa mise en œuvre dans le domaine des structures des planchers, des façades, des couvertures, des cloisons et des équipements intérieurs. Il souligne également les performances de l'acier en matière de durabilité et de sécurité incendie.

Maîtres & protecteurs de la nature Jean-Claude Beaune, 1991 L'œuvre et le produit Yves Deforge, 1990 *Le patrimoine de la SNCF et des chemins de fer français*, 1999 Retracer l'histoire des chemins de fer en France, traverser leur patrimoine dans toute sa diversité : gares, matériel roulant, ouvrages d'art, affiches, objets et archives.

L'Architecture d'aujourd'hui, 1987 **La techno-science en question** Philippe Breton, Alain-Marc

Rieu, Franck Tinland, 1990 **Mort du paysage?** François Dagognet, 1982 **Revue archéologique de l'ouest**, 2004
Bibliographie officielle, 1987 **Bibliographie de la France**, 1987 Nancy 1900 Claire Aptel, 1989 **Livres hebdo**, 2008 **Ornament and Symbol in French Romantic Architecture** Ralph Ghoché, 2025-08-12 For Simon Claude Constant Dufaux 1801 1871 a radical French architect and chair of perspective at the cole des Beaux Arts in Paris the study and composition of ornament were essential pursuits Architectural emblems and ornaments were symbols that conveyed concise and immediate meaning they were also a crucial element in realizing the Romantic ideal of the synthesis of the arts Through the lens of Constant Dufaux s work Ornament and Symbol in French Romantic Architecture explores the sudden proliferation of ornamental motifs in France challenging the understanding that the twentieth century modernist avant garde developed in direct opposition to ornament Ralph Ghoché examines architectural ornament from the July Monarchy to the Second Empire revealing its connections to Romantic theories of symbolism and ideas about the power of form to elicit emotional responses Ghoché repositions Constant Dufaux as a pivotal figure in developing new forms of symbolic signification in architecture establishing him as one of Romanticism s key theoreticians Ornament and Symbol in French Romantic Architecture reconstructs vibrant debates surrounding theories of the symbol the public function of architecture and the quest for the synthesis of the arts revealing architectural ornamentation to be part of a process of modernization that continued into the next generation of architects and artists ultimately culminating in the advent of art nouveau **Revue generale de l'architecture et des travaux publics**, 1851 **Revue générale de l'architecture et des travaux publics** César Daly, 1851 **Encyclopédie de l'Islâm**, 1913 **Annales**, 1988 **Bibliographie de la France, ou Journal général de l'imprimerie et de la librairie** Adrien Jean Quentin Beuchot, 1885

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