

1. Record Nr.	UNINA9910969472503321
Autore	Heard Brian J
Titolo	Forensic ballistics in court : interpretation and presentation of firearms evidence / / Brian J. Heard
Pubbl/distr/stampa	Chichester, England, : Wiley-Blackwell, c2013
ISBN	9781118505014 1118505018 9781299385276 1299385273 9781118504994 1118504992
Edizione	[1st ed.]
Descrizione fisica	1 online resource (397 p.)
Disciplina	363.25/62
Soggetti	Forensic ballistics Firearms - Identification Bullets - Identification Criminal investigation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Forensic Ballistics in Court: Interpretation and Presentation of Firearms Evidence; Contents; About the Author; Introduction; About the companion website; 1.0 Firearms History; 1.0.1 Introduction; 1.0.2 The flintlock; 1.0.3 The percussion system; 1.0.4 The pinfire system; 1.0.5 The rimfire system; 1.0.6 The Dreyse needle fire system; 1.0.7 The centre fire system; 1.0.8 The revolver; 1.0.9 The self-loading pistol; Further reading; 2.0 Weapon Types and Their Operation; 2.0.1 Introduction; 2.0.2 Handguns; 2.0.3 Rifles; 2.0.4 Shotguns; 2.0.5 Combination weapons; 2.0.6 Sub-machine guns 2.0.7 Assault rifles 2.0.8 Machine guns and heavy machine guns; 2.0.9 Muzzle attachments; 2.0.10 Important parts of a weapons mechanism; 2.0.11 Bent and sear; 2.0.12 Other important parts of a revolver mechanism; 2.0.13 Hand and ratchet; Further reading; 2.1 Gas and Air Powered Weapons; 2.1.1 Introduction; 2.1.2 Weapon types; 2.1.3 Ammunition; 2.1.4 Considerations; Further reading; 2.2 Rifling Types

and Their Identification; 2.2.1 Introduction; 2.2.2 Basics; 2.2.3 Class characteristics; 2.2.4 General introduction to rifling; Additional reading; 2.3 Home-made, Improvised and Converted Firearms  
2.3.1 Introduction2.3.2 Improvised firearms; 2.3.3 Converting air weapons; 2.3.4 Home-made and converted toys and replica weapons; 2.3.5 Home-made ammunition; Further reading; 2.4 Antique Weapons; 2.4.1 Introduction; 2.4.2 Background; 2.4.3 Defining 'antique'; 3.0 Proof Marks; 3.0.1 Introduction; 3.0.2 Proof marks; 3.0.3 Types of proof; 3.0.4 Proof marks and the examiner; 3.0.5 Examples of proof marks; Further reading; 4.0 A Brief History of Ammunition; 4.0.1 Introduction; 4.0.2 Basics; Further reading; 4.1 Ammunition Components; 4.1.1 Introduction; 4.1.2 Basics; 4.1.3 Ammunition types 4.1.4 Primer cap types4.1.5 Cartridge cases; 4.1.6 Shotgun ammunition; Further reading; 4.2 Bullet Types; 4.2.1 Introduction; 4.2.2 Basics; 4.2.3 Bullet materials; 4.2.4 Other bullet types; 4.2.5 Bullet nose configuration; 4.2.6 Bullet base configuration; 4.2.7 Bullet lubrication; Further reading; 4.3 Headstamps and Other Identifying Features on Ammunition; 4.3.1 Introduction; 4.3.2 Basics; 4.3.3 Clandestine ammunition; 4.3.4 Colour coding of ammunition; Further reading; 4.4 Non-toxic and Frangible Bullets; 4.4.1 Introduction; 4.4.2 Elimination of lead in ammunition  
4.4.3 Materials used in non-toxic ammunition4.4.4 The current situation; Further reading; 4.5 Non-toxic Shot; 4.5.1 Introduction; 4.5.2 Materials used in non-toxic shotgun ammunition; Suggested further reading; 4.6 A Brief History of Propellants; 4.6.1 Introduction; 4.6.2 Basics; 4.6.3 Black powder; 4.6.4 Nitro propellants; 4.6.5 Dating of ammunition; 4.6.6 Reduced loads for target shooting; Further reading; 4.7 Priming Compounds; 4.7.1 Introduction; 4.7.2 Basics; 4.7.3 A short history of priming compounds; 4.7.4 Manufacture; 4.7.5 Accidental discharge of primers; Further reading  
5.0 An Introduction to Ballistics

---

#### Sommario/riassunto

Forensic Ballistics in Court: Interpretation and Presentation of Firearms Evidence is an accessible introduction to firearms and ballistics evidence and how this is analysed and presented as evidence in a court of law. The book approaches the subject in terms of the realities of case work, opening with a clear and illustrated explanation of the correct nomenclature for various weapon types and their parts. Ammunition is also extensively covered, again with annotated illustrations. Basic external and terminal ballistics, wounding capabilities are likewise covered to give an over

---