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**Firearms & Tool Marks Crossword Puzzle**

**Across:**

1. A weapon capable of firing a projectile using a confined explosive as a propellant

2. The spiral grooves formed in the bore of a firearm barrel that spin the projectile when it is fired

3. The cut or low-lying portions between the lands in a rifled bore

4. A chemical test used to examine patterns of gunpowder residues around bullet holes

5. The mechanism in a firearm that throws the cartridge or fired case from a firearm

6. The raised portion between the grooves in a rifled bore

8. Any impression, scratch, or abrasion made when contact occurs between a tool and another object

9. A handheld firearm

10. A mark produced along the edge as a surface is cut

13. The study of projectiles and firearms

14. The projectile that is released when a firearm is discharged

15. The size designation of a shotgun; originally the number of lead balls with the same diameter as the barrel that would weigh a pound

18. A mark produced when a surface slides across another surface

19. The long, metal tube that guides a projectile out of a firearm

22. The end of the barrel from which the projectile exits a firearm

23. The path of flight of a projectile

**Down:**

2. A pistol with a revolving cylinder

3. The tiny particles expelled from a firearm when it is fired

7. A pistol with a clip-fed mechanism that fires one shot per pull of the trigger

11. The interior of a firearm barrel

12. The mechanism in a firearm that withdraws a cartridge or fired case from the chamber

16. A firearm that has a long barrel; a long gun

17. A mark or impression made by a tool on a softer surface

20. The diameter of the bore of a rifled firearm, usually expressed in hundredths of an inch or millimeters

21. The rear part of a firearm barrel