## **ACCURACY & CHRONOGRAPH DATA**

American Western Arms

Charles Daly

Black Hills Cowboy

158-Grain CNL	Ultimate 1873	1873 Standard
Average Velocity	820 fps	830 fps
Standard Deviation	17 fps	18 fps
Muzzle Energy	236 ftlbs.	241 ftlbs.
Smallest Group	1.0 in.	1.3 in.
Largest Group	2.5 in.	1.8 in.
Average Group	1.9 in.	1.6 in.
Avelage Gloup	1.5 11.	1.0 111.
Cowboy-Action Handload	American Western Arms	Charles Daly
158-Grain LSWC	Ultimate 1873	1873 Standard
Average Velocity	750 fps	745 fps
Standard Deviation	15 fps	18 fps
Muzzle Energy	197 ftlbs.	195 ftlbs.
Smallest Group	1.2 in.	1.1 in.
Largest Group	2.9 in.	2.8 in.
Average Group	2.0 in.	1.9 in.
Federal Hi-Shok .357 Mag	American Western Arms	Charles Daly
9		1873 Standard
125-Grain JHP	Ultimate 18/3	10/3 Standard
125-Grain JHP Average Velocity	Ultimate 1873 1415 fps	
125-Grain JHP Average Velocity Standard Deviation	1415 fps	1420 fps
Average Velocity Standard Deviation		
Average Velocity	1415 fps 40 fps	1420 fps 35 fps
Average Velocity Standard Deviation Muzzle Energy	1415 fps 40 fps 555 ftIbs.	1420 fps 35 fps 559 ftIbs.
Average Velocity Standard Deviation Muzzle Energy Smallest Group	1415 fps 40 fps 555 ftlbs. 2.5 in.	1420 fps 35 fps 559 ftIbs. 1.6 in.
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in.	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in.
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in.	1420 fps 35 fps 559 ftIbs. 1.6 in. 2.6 in.
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group Federal .38 Special	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in.  American Western Arms Ultimate 1873	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in. Charles Daly 1873 Standard
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group Federal .38 Special 130-Grain SXT	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in. American Western Arms	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in. Charles Daly
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group Federal .38 Special 130-Grain SXT Average Velocity	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in.  American Western Arms Ultimate 1873 995 fps	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in. Charles Daly 1873 Standard 1000 fps
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group Federal .38 Special 130-Grain SXT Average Velocity Standard Deviation	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in.  American Western Arms Ultimate 1873 995 fps 15 fps	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in. Charles Daly 1873 Standard 1000 fps 30 fps
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group Federal .38 Special 130-Grain SXT Average Velocity Standard Deviation Muzzle Energy	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in.  American Western Arms Ultimate 1873 995 fps 15 fps 285 ftlbs.	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in. Charles Daly 1873 Standard 1000 fps 30 fps 288 ftlbs.
Average Velocity Standard Deviation Muzzle Energy Smallest Group Largest Group Average Group  Federal .38 Special 130-Grain SXT Average Velocity Standard Deviation Muzzle Energy Smallest Group.	1415 fps 40 fps 555 ftlbs. 2.5 in. 3.7 in. 3.1 in.  American Western Arms Ultimate 1873 995 fps 15 fps 285 ftlbs. 1.0 in.	1420 fps 35 fps 559 ftlbs. 1.6 in. 2.6 in. 2.1 in. Charles Daly 1873 Standard 1000 fps 30 fps 288 ftlbs. 1.3 in.

Velocity was recorded using an Oehler 35P chronograph with proof channel. The first skyscreen was placed 10 feet from the muzzle. Five-shot groups were fired at 15 yards from a solid two-handed rest.

The Daly struck about 6 inches low and 2.5 inches right with Cowboy-level loads. The hotter .357 Magnum and .38 Special

+P loads struck about 7 inches low from the Daly. The AWA's shots struck only 2 inches low and 3 inches left with Cowboy loads, but 4 inches low and 6 inches left with the hotter loads. Left: This five-shot group was fired from the AWA with Black Hills' cowboy loads. The aim point was at 6 o'clock on the bull. Filing the front sight would bring the impact up, but there's no easy way to get the impact moved right. Even very similar guns can have distinctive traits, so be sure to find your best load before altering your gun's sights.