

COPY OF O.O. 23377-2363-Enc. 2.

REPORT OF A BOARD OF OFFICERS, CONVENED IN COMPLIANCE WITH PARAGRAPH IV, POST ORDERS, NO. 53, DATED SPRINGFIELD ARMOY, MASS., SEPTEMBER 25, 1905, IN CONNECTION WITH COMPARATIVE TESTS OF THE SHOCK ACTION AND STOPPING EFFECT OF THE NEW LUGER 9 m/m DOUBLE BULLET LUGER 9 m/m NORMAL BULLET, AND THE COLT CALIBER .38 BULLET AND THE COLT CALIBER .45 BULLET.

SPRINGFIELD ARMOY, MASS.,

February 12, 1906.

I. Pursuant to instructions given in 1st Endorsement, O.O. 23377-2363, the Board met at 2 p.m. for the purpose of making comparative tests of the shock action and stopping effect of the new 9 m/m double bullet furnished for the Luger Automatic Pistol and the Colt bullets, calibers ".38 and ".45.

II. The Board then proceeded to determine the comparative action of the bullets under test - on pine batts. These batts were made of soft 12/15" white pine boards, each separated from the other by an air space of 12/15".

The results of these firings are noted in the comparative table below. No difference was noticed in the manner of penetration of the various bullets.

TABLE.

Bullet.	Range ft.	Mean Penetration inches.	Mean Disparation inches.	Remarks.
9 m/m Double Bullet	12	4.40 & 3.0	.12	
9 m/m Normal Bullet	12	7.25		
Colt .38 cal.	12	5.45		
Colt .45 cal.	12	4.35		

1. Pursuant to instructions given in 1st Undersecret, O.O. 2237-223, the Board met at 2 p.m. for the purpose of making comparative tests of the shock action and stopping effect of the new 8 m/m double bullet furnished for the Luger Automatic Pistol and the Colt bullets, calibers ".38 and ".45.

11. The Board then proceeded to determine the comparative action of the bullets under test - on pine blocks. These blocks were made of soft 1 1/2" x 16" white pine boards, each separated from the other by an air space of 1 1/2".

The results of these firings are noted in the comparative table below. No difference was noticed in the manner of penetration of the various bullets.

TABLE.

Bullet.	Range ft.	Mean Penetration inches.	Mean Dispersion inches.	Remarks.
8 m/m Double Bullet	15	4.43 & 2.5	.12	
8 m/m Normal Bullet	15	7.22		
Colt .38 cal.	15	5.40		
Colt .45 cal.	15	4.35		
8 m/m Double Bullet	25	4.53 & 2.00	.370	
8 m/m Normal Bullet	25	7.57		
Colt .38 cal.	25	4.80		
Colt .45 cal.	25	5.50		

If these firings are noted in the comparison
 difference was noticed in the manner of p
 the bullets.

TABLE.

Range ft.	Mean Penetration inches.	Mean Dispersion inches.
10	A. 4.9 B. 3.5	.12
10	7.28	
10	5.40	
10	4.35	
20	A. 5.0 B. 2.65	.375
20	7.37	
20	4.95	
20	5.65	