Penetration of Rifle Bullet.

Material	Maximum Penetration.	Remarks.
Steel plate, best	7 inch	At 30 yards normal to plate:
	å inch	To inch is proof at not
nary mild or wrought iron		less than 600 yards, unless the plate is set at a slope of §, when
		78 inch is proof at 250 yards.
Shingle	6 inches	Not larger than 1 inch ring gauge.
Coal, hard	o inches.	Imp Buoge.
Brickwork, cement		150 rounds concen-
mortar		trated on one spot
	file stable	will breach a g-inch
		brick wall at 200 yds.
Chalk	15 inches.	1 1 1 1 - 11
Brickwork, lime	14 inches	9-inch brick wall at
Sand, confined	18 inches	Very high velocity
between boards,	To miches	bullets have less
or in sandbags	Dell'State Section	penetration in sand
		at short than at
	TOTAL TOTAL	medium ranges.
Earth, free from	40 inches	
stones (un-	The second second	duces its resisting
rammed) Soft wood—e.g.,	58 inches	Penetration of brick-
fir with grain	50 inches	work and timber is
in with grain	The state of	less at short than at medium ranges.
Hard wood-e.g.,	38 inches.	THE RESERVE TO SERVE THE RESERVE TO SERVE THE RESERVE
oak with grain		2
Clay	60 inches	
	1	is the maximum for
-		greasy clay.
Dry turf and peat	80 inches.	

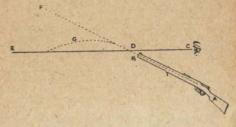
Rifle Definitions.

Axis of the Barrel (AB) is an imaginary line following the centre of the bore from the breech to muzzle.

Line of Sight (CDE) is a straight line passing through the sight and the point you aim at.

Line of Fire (BE) is a line joining the muzzle of the rifle and the target.

Line of Departure (BF) is the direction of the bullet on leaving the muzzle.



The Trajectory (DGE).—The curved line travelled by the bullet in its flight,

The Culminating Point (G) is the greatest height above the line of sight to which the bullet rises in its flight; this is reached at a point a little beyond half the distance to which the bullet travels.

The First Catch is that point where the bullet has descended sufficiently to strike the head of a man, whether mounted, kneeling, standing, lying, etc.