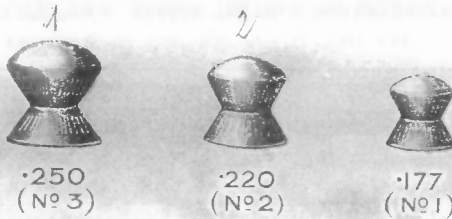


B.S.A. Air Rifle Pellets. "Adder" Brand.



Pellets are actually half size of illustrations

THE "waisted" form of pellet is the most successful. The "Adder" is made very accurately despite its wonderful cheapness. It does not vary more than one thousandth of an inch (.001in.) on the nose or one and a half thousandths (.0015in.) on the base either side of the mean dimensions laid down.

The nose is made slightly smaller than the base. The former engages merely with the lands of the rifling. The base is driven to the bottom of the grooves so that the rifling may spin the pellet as it passes through the barrel. Friction in the barrel is practically nil, but the pellet is spun truly on its longer axis. It flies steadily and straight when it leaves the barrel, just the same as the bullets of scientifically designed high velocity military rifles.

The corrugations at the waist have no special object, being merely the result of the process of manufacture.

"Adder" Pellets are made specially for the B.S.A. Rifle, and the combination consequently gives the best results.

PRICES OF "ADDER" PELLETS.

No. 1 .177 pellets, packed 1,000,	.177" (No. 1) 1/3 per box of 1,000.
No. 2 .223 pellets, " 1,000,	Postage (inland) on one box 4d. extra.
" " " 500,	
No. 3 .250 pellets, " 1,000,	.22" (No. 2) 2/10 per 1,000 (2 boxes).
" " " 500,	*.250" (No. 3) 3/3 " " "
	Postage (inland) on one box 4d. extra.

No. 1 pellets are supplied

PELLETS FOR BRITAIN

The inland postages on more than one box of pellets are as follows:—

Two boxes	5d.	Four boxes	7d.	Six Boxes	8d.
Three "	6d.	Five "	7d.	Seven "	10d.

Larger numbers than seven boxes are sent by rail, carriage forward. Packing cases are charged for, but full credit is given when they are returned.

For the use of those abroad who desire to order, the following weights of boxes of pellets are given:—

.177 (No. 1) one box of 1,000	..	1lb. 4oz.
.22 (No. 2), one box of 500	..	1lb. 2oz.
.250 (No. 3), one box of 500	..	1lb. 8oz.

Weight of packing should be allowed for in estimating the amount of postage to be remitted. The maximum weight carried by parcels post is 11lb. The box for 7,000 No. 1, or 4,000 No. 2 pellets weighs 1lb.



Reproductions half-size of the .177 and .22 Pellet Boxes. The .177 box has the white ensign in the corner, and the .22 the blue ensign.

Imitations should be avoided.



THE BIRMINGHAM SMALL ARMS CO. LD, BIRMINGHAM ENG

Makers of Rifles for H.M. War Department, and of the famous B.S.A. Cycles and Motors

B.S.A. No. 8 Aperture Sight

MARKING AND FITTING.

THE base of this sight conforms in shape with the top of the grip or "hand" of the rifle stock. Various lengths of stem are provided to adapt the sight for different rifles, and for different positions on the grip.



View of the B.S.A. patent rotating disc, 4/1", or complete with sight, 11/6.

FITTING.—First set the open sight at its lowest position. Then place the No. 8 Aperture Sight perfectly upright on the grip, seeing that the aperture disc is nearly—but not quite—at its lowest position on the stem. A piece of thread drawn perfectly taut should then pass through the aperture hole, through the V notch of the open sight and should touch the tip of the Foresight.

The correct position having thus been ascertained, mark the stock through the screw holes in the base of the Sight. It is at these points that the fixing screws provided with the sight will have to enter the wood or metal.

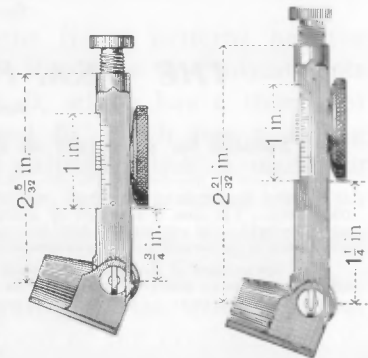
MARKING.—Each division on the stem of the Sight may be split up into fifths by means of the vernier scale. The fifth of a division is equal to one hundredth of an inch. The ranges are not marked on the Sights because the latter are adapted to be fitted to different Rifles with different sight radii, *i.e.*, different distances between the Foresight and the Aperture Backsight. When the Sight has been carefully fitted, the elevation can easily be ascertained by trial and error. A small scratch should be made with a file to indicate the position that the aperture should occupy for the ranges at which it is customary to shoot.

If marking the Sight is objected to, a note may be taken of the rise in divisions and parts of a division from zero for each range.

The longer the sight radius, the greater will have to be the amount of movement on the backsight for a certain correction of the shot group on the target. With a 36in. sight radius, a movement on the backsight of $\frac{1}{100}$ in. brings about a corresponding correction on the target of 1in. at 100 yards, 2in. at 200 yards, and so on. With the 32in. sight radius of the B.S.A. No. 12 Model Martini Rifle, the rises are as follows for ammunition of an average velocity:—

From 25 yards to	50 yards	...	$\frac{1}{100}$ in.
"	50 "	"	100 "
"	100 "	"	200 "
"	200 "	"	$\frac{1}{100}$ in.

The method of calculating the sighting adjustments for other distances between the sights is given at the foot of page 24.



Diagrams showing dimensions of long and short stem patterns of B.S.A. No. 8 Sight. A shorter pattern than the short and a longer pattern for the long are also made for special purposes (*See page opposite*).

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM ENG

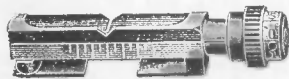
Makers of Rifles for H.M. War Department, and of the famous B.S.A. Cycles and Motors

B.S.A. Wind-Gauge Sight Slides.

Patent No. 21296/07.

Suitable for MARTINI, LEE-ENFIELD and other MILITARY and MINIATURE RIFLES.

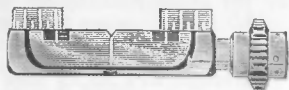
THE various Slides illustrated below form valuable additions to Military Pattern Rifles which are ordinarily fitted with a sighting bar which cannot be traversed laterally to compensate the effect of wind pressure on the bullet. They are used extensively in various parts of the world.



NO. 1 PATTERN.

With plain bars or with V's each 5/6

NO. 4 PATTERN.



With vertical scale V's or plain bars 6/-
Tangent Leaf extra 2/-

GOVERNMENT "PUSH" SLIDE.



Plain bars or V's 3/6

Reamers for Countersinking and Enlarging Aperture Sight Holes.



COMBINATION TOOL. One end for enlarging aperture hole, other end for countersinking back to bring edge of hole up sharp for clear definition each

1/3

Notes on Rifle Cleaning.

56 pages, with 40 illustrations from original photographs and drawings.

All the best authorities are agreed that the key to successful shooting is the proper care of the weapon, whether it be a military, a miniature, or a sporting rifle.

Every rifle user should read this book carefully. It is a complete guide to the preservation of the good shooting qualities of a good rifle. Price 6d., post free 8d.

The Complete Air Gunner.

By R. B. TOWNSEND, M.A. 88 pages; many illustrations.

A most interesting book dealing fully with air rifles, their development and their miscellaneous uses. Price 1/-, post free 1/3.

B.S.A. Air Rifle Score Book, 64 pages, price 3d.

THE BIRMINGHAM SMALL ARMS CO. LD. BIRMINGHAM ENG

Makers of Rifles for H.M. War Department, and of the famous B.S.A. Cycles and Motors.

The B.S.A. Miniature Rifle

No. 2 MODEL.

FOLDING (POCKET) PATTERN.

THE production of this folding edition of the popular B.S.A. No. 2 Model Rifle was dictated by the strong demand for a rifle adapted for easy carriage in the pocket or in the travelling bag.

It shoots remarkably well, and it is easily aimed by means of its special peep backsight. Material and workmanship, as well as accuracy, are, as usual, fully guaranteed.



Price - 38/6



The catch is covered when the rifle is cocked so that it may not be operated to break down the rifle when loaded.

Pull back the catch *a* with the thumb to break rifle down.



THE RIFLE FOLDED.

Length, 24 $\frac{3}{8}$ in.

SPECIFICATION.

Weight: 4 $\frac{1}{2}$ lb.

Length: Over all, ready for firing, 37 $\frac{1}{2}$ in.

Length: When folded, 24 $\frac{3}{8}$ in.

Backsight: Two-fold Aperture on the body for 50 and 100 yards ranges.

Foresight: Blade pattern.

Distance between Sights: 20 $\frac{1}{2}$ in.

Action: Patent safety.

Stock: Italian walnut.

For illustrations and particulars of the inexpensive but wonderfully good standard and scout patterns of the B.S.A. No. 2 Model Rifle, see pages 40 and 41.

THE BIRMINGHAM SMALL ARMS CO. L^{TD}, BIRMINGHAM ENG

Makers of Rifles for H.M. War Department and of the famous B.S.A. Cycles and Motors