

B.S.A. RIFLES

TRADE MARKS



B.S.A.

TELEGRAMS AND CABLES:
"SMALLARMS, BIRMINGHAM."
"TRAJECTORY, LONDON."

TELEPHONES:
BIRMINGHAM - (6440 CENTRAL
(6 LINES).
LONDON - - 1047 CENTRAL.

CODES:
A. B. C. 4TH AND 5TH EDITIONS.
LIEBER'S.
WESTERN UNION.

TRADE MARKS



B.S.A.

A CATALOGUE

— OF —



Military Rifles,
Target Match Rifles,
High Velocity Sporting Rifles,
Military and Sporting Carbines,
B.S.A. Patent Rifle Sights,
B.S.A. Air Rifles,
War Office Miniature Rifles,
B.S.A. Miniature Bolt Rifles,
Martini Miniature Rifles,
Tubes for Sporting Shot Guns,
Etc.

MANUFACTURED BY

THE BIRMINGHAM SMALL ARMS CO. LD.

(1909—2nd Edition.)

Also Manufacturers of the Celebrated
B.S.A. and EADIE
CYCLE FITTINGS, Etc.,
B.S.A. MOTOR CARS and
SMALL TOOLS.

BIRMINGHAM OFFICE:
Small Arms Factory, Small Heath.
LONDON OFFICE:
6, Great Winchester Street, E.C.

AGENTS IN ALL THE
PRINCIPAL TOWNS
OF THE COLONIES
AND
FOREIGN COUNTRIES.

THE BIRMINGHAM SMALL ARMS CO. LD. BIRMINGHAM, ENG.

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B.S.A.

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INTRODUCTORY NOTES.

(WHICH SHOULD BE CAREFULLY READ BY THE RIFLE USER
AND BY THE PROSPECTIVE PURCHASER.)

Ordering Rifles. As wholesale manufacturers we trade through regular retail gun and rifle dealers only. This has particular application to the supply of '303 Target Rifles, which are tested at the factory at 100 yards only for grouping and alignment (see pages 7 and 9). The expert rifle dealers—who make a speciality of target rifle work—are skilled shots, qualified to take a rifle straight from the manufacturer, shoot it through all the ranges, mark the sights exactly for each range, make the one or two delicate adjustments which may be necessary, and adapt the rifle for Bisley and range work generally. These rifle experts attend the Bisley and other rifle meetings, are well-known to the majority of riflemen, and will readily guarantee in every respect any B.S.A. rifle sold by them. If there is any difficulty in getting into touch with such a dealer, rifle buyers are requested to write to the Company.

Packing and Delivery. New complete rifles are packed and delivered free to any place in the British Isles. Customers must pay for packing and carriage on rifles repaired, re-barrelled or converted. The purchaser should mark the railway delivery sheet "not examined." The goods should then be carefully inspected and if found to have been damaged in transit notice should at once be sent to the carriers and to the B.S.A. Company.

Rifle Buyers Abroad. We are represented by the retail gun trader in most towns in the Colonies and foreign countries. When difficulty is experienced in securing the aid of such dealers, orders should be sent direct to the Company together with a remittance. Rifles for abroad are delivered free on board ship at any English port. Packing (tin or pitch paper lined) is charged extra at cost price. Freight and duty are charges which must also be borne by the purchaser. For foreign money and weight values, etc., see page 5.

New Parts and Sundries. A separate list of new rifle parts will be sent on application. Such accessories as rifle covers, cleaning rods, sight protectors, and so forth, are stocked for the convenience of our customers. This applies to full range target and sporting rifles, carbines, miniature and air rifles.

Repairs. The Birmingham Small Arms Company Limited repair rifles of their own manufacture only. Rifles for repair should be securely packed and sent carriage paid, addressed to The B.S.A. Company Limited, Rifle Department, Small Heath, Birmingham. When a part only has to be renewed it is best always to send the old part, or a rough sketch of it. Where possible the local gunmaker should be consulted, as he may be able to effect the repair at once, so saving time and expense. The postal regulations limit parcels to 11lb. in weight, 3ft. 6in. in length, or 6ft. in length added to girth. It will generally be found convenient to send rifles by rail.

Cleaning of Rifles. Too much stress cannot be laid on the absolute necessity for carefully cleaning rifles immediately after shooting is finished. If a rifle is laid aside, even for a short time, the acid products of combustion of primer and powder will start eating into the steel of the barrel. Once started it cannot be stopped, and the barrel becomes corroded. When pitted or rusted the barrel has lost its accuracy, and might at once be scrapped, as it cannot be remedied by cleaning or "lapping." After thoroughly cleaning the interior of

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NOTES (continued).

the barrel with a good nitro cleanser, it should be wiped out and a coating of pure thick mineral oil or vaseline deposited to preserve the bore. The outside of the rifle should also be carefully cleaned with a pure mineral oil.

"Nickelling" in high velocity rifles, and "leading" in miniatures, are, perhaps, the worst troubles the rifle-shot has. Although they can usually be avoided by constant cleaning and care, such metal deposits can be removed by means of nickel or lead solvents now on the market. The presence of nickel can be detected with the '303 Steel Testing Plug, dealt with on page 6. What are known as bulletted caps should not be used in miniature rifles, nor should shot cartridges. Only the proper cartridges for which the chamber is made should be used, or "leading" and chamber corrosion will set up.

Altering Sighting of Miniature & Air Rifles.

All B.S.A. Rifles are carefully tested and shot before they are allowed to leave the factory, and **are guaranteed to group the shots well.** Although our own shooters may be able to group the shots in the centre of the "bull," the sights may need a little adjustment to suit the peculiarities of "holding" or difference in the sight of the buyer, or different ammunition. Adjustments may quite easily be made. When testing use a table rest and a sand bag support for the barrel of the rifle. If the rifle groups a little high, lower the backsight; if a little low, raise it slightly. If the shots group to the right, tap the foresight over to the right or the backsight over to the left, using a piece of hard wood as a punch. If the shots group to the left, tap the foresight over to the left or the backsight over to the right. The sights fit in dovetail slots in the barrel and drive out from left to right, and in from right to left. When adjusting rifles use the brand of ammunition which will always be used.

Guarantee

B.S.A. Quality.

All B.S.A. Rifles are very carefully gauged and viewed in every detail, and are thoroughly tested for accuracy of shooting. Only rifles perfect in every respect are sent out of the factory. Should there be any cause for complaint, particulars should be sent along at once, so that the case may be investigated fully, and if need be, the rifle returned. The B.S.A. Trade Marks (see top corner of this page) constitute a guarantee in themselves when they are stamped on a rifle. "B.S.A. quality" is of world-wide fame.

Life of Rifle Barrels.

The length of life of a rifle barrel depends to a great extent upon the amount of care which is bestowed on cleaning the bore (see paragraph on cleaning of rifles). High velocity weapons, using '303 and similar ammunition, are generally recognised by target shots to be good for the highest class of target work for about 2,000 shots, but this does not alter the fact that one of the "hundred" finished high up in the "King's" at Bisley last year with a rifle through which, to his knowledge, there had been about 5,000 shots. It was not even new when he first had it. Barrels of our special nickel steel have, of course, longer life than those of ordinary steel.

B.S.A. Miniature Air Rifles, with care and the use of good ammunition, will last out 25,000 to 30,000 shots quite easily, whilst there is no record of the wearing out by fair means of a B.S.A. Air Rifle Barrel.

Ammunition.

The Company does not make or supply any kind of ammunition with the exception of "Adder" Pellets, which are specially made for the B.S.A. Air Rifle. It will generally be found that the retail gun dealers are well informed regarding the supply of cartridges, and they should always be consulted when difficulty is experienced. When sending specimen cartridges to us, it must be borne in mind that **it is by law a punishable offence to send them through the post.**

CHANGE OF PRICES. The prices set out in this list are subject to alteration without notice.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.



GUN OR RIFLE LICENSES.

RIFLE CLUBS AND AFFILIATION.

The following are exempted from payment of gun license duty:—

1. Regular Soldiers, Territorials, Cadets, etc., when at duty or at target practice.
2. Holders of game licenses.
3. Persons carrying a gun by order of, and for the use of, an authorized person (address to be supplied on demand).
4. Persons scaring birds or destroying vermin under proper authorization.
5. Gunsmiths or their servants for trade purposes.
6. Carriers in the ordinary course of their trade.
7. Members of rifle clubs duly affiliated to the N.R.A. or S. of M.R.C. in connection with range practice.

The term "gun" means a firearm of any description, and it includes air rifles, guns, or any other kind of gun from which any shot, bullet, or other missile can be discharged.

A rifle may be used in a dwelling house or the curtilage thereof (the area included within the fence surrounding a dwelling house), without payment of gun license duty.

For particulars of rifle club formation and of affiliation of such organizations, applications should be addressed to Lieut.-Col. C. R. Crosse, Secretary National Rifle Association, Bisley Camp, Brookwood, Surrey; or in the case of air rifle clubs to the Secretary, National Air Rifle Association, Imperial Arcade, Dale End, Birmingham. Persons coming under clause 7 may carry a rifle either with or without a cover.

FOREIGN MONEY, WEIGHT, AND LENGTH VALUES, ETC.

MONEYS:

American ..	24c.	=	One Shilling.
French 1 Franc	25c.	=	Do.
German 1 Mark	OPf	=	Do.
Dutch ..	60c.	=	Do.
Italian 1 Lira	30c.	=	Do.
Indian 1 Rupee	..	=	1/4 approx.

WEIGHTS:

1 Grain	=	'0648 Gram.
1 Ounce (437.5 grains) ..	=	28.350 Grams.
1 Pound (16oz. or 7,000 grains)	=	{ 453.6 Grams (or 453.6 Kilograms)
1 Hundredweight (112lb.) ..	=	50.8 Kilograms.
1 Ton (2,240lb.)	=	1016 Kilograms.

INCH FRACTIONS IN DECIMALS:

$\frac{1}{16}$ in. =	'015625	..	$\frac{3}{16}$ in. =	'375
$\frac{1}{8}$ in. =	'03125	..	$\frac{1}{2}$ in. =	'500
$\frac{3}{16}$ in. =	'0625	..	$\frac{5}{16}$ in. =	'625
$\frac{1}{4}$ in. =	'125	..	$\frac{3}{4}$ in. =	'750
$\frac{5}{16}$ in. =	'250	..	$\frac{7}{8}$ in. =	'875

LENGTHS:

1 Inch	=	2.54 Centimetres.
1 foot	=	30.4799 Do.
1 yard	=	'914399 Metre.
39.37 inches	=	1 Do.
1 Millimetre	=	0.0394 Inch.

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B.S.A.

B.S.A. GAUGES.

THE extreme accuracy of B.S.A. repetition machine work cannot be secured without the help of very fine gauges true to '0001in. (one ten-thousandth of an inch). These gauges are made in the B.S.A. Company's own Tool Dept.

For those who like always to be acquainted with the exact condition of their rifles, we have decided to supply barrel and other gauges guaranteed true to the fine measurement mentioned. The barrel is the most important part of a rifle, and in order that "nickelling" or wear may be at once detected, a set of barrel gauges (.3030in., .3035in. and .3040in.) is quite a necessary part of the rifleman's equipment. Properly made gauges, of good steel, cannot possibly be sold at lower prices than those set out below, and we must warn our customers against the use of cheap gauges.

We advise the use of the six gauges forming the set mentioned below, because one or another must be used to test whether the vital parts of the rifle concerned in the correct discharge of the bullet are in proper order. Confidence in his rifle is the marksman's principal asset.

As we are concerned mainly in keeping our rifles up to concert pitch, even when they are out of our hands, we do not desire to make a large profit on the sale of gauges.

A .3030 BARREL GAUGE.



PRICES.

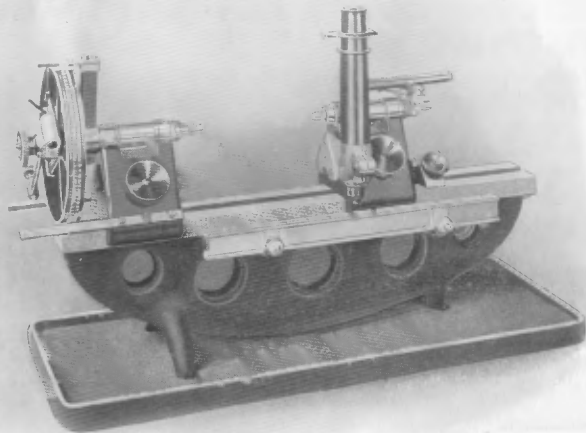
BARREL GAUGES with chequered ends, as illustrated, or with ends screwed, so that they may be fitted to cleaning rods (.3030in., .3035in., .3040in.,) or any other special dimensions,

each.

SETS OF 6 GAUGES (in satin lined oak pocket cases) consisting of three barrel plug gauges, .3030in., .3035in. and .3040in.; "head" gauge (for testing to see if bolt closes "home" and properly supports the cartridge base); striker point gauge (for showing whether striker point protrudes the proper distance to secure correct detonation of the cap); and bullet entry gauge (used to determine whether the bullet "entry" or "cone," leading from chamber to rifling, is worn) per set, in case,

EXTREME ACCURACY

of gauge making in the B.S.A. factory is secured with the co-operation of machines such as the one this picture illustrates. The instruments measure correctly to '00001" (one hundred-thousandth part of an inch). The powerful microscope shown has to be used to set the apparatus.



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B.S.A.

LEE-ENFIELD MAGAZINE TARGET RIFLES.

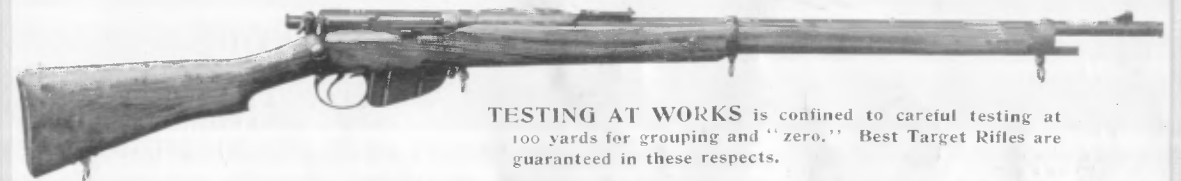
BRITISH GOVERNMENT MARK I* PATTERN (LONG).

.303 TARGET RIFLES. B.S.A. MATCH Rifles are strictly of Service Pattern. They receive throughout the whole course of their manufacture special care and attention. Confidence is the target marksman's most valuable asset. These rifles inspire confidence.

THE GREAT MAJORITY OF COMPETITIONS AND PRIZES AT BISLEY and other prominent meetings at home and abroad have for years past been WON WITH B.S.A. SELECTED TARGET RIFLES.

FOR MID-RANGES AND MINIATURE RANGES. This Service Pattern Arm is also fitted by The B.S.A.

Co. with BARRELS SPECIALLY CHAMBERED AND RIFLED FOR .303 MID-RANGE, or for .22 rim fire or .297/230 (Morris) central fire MINIATURE AMMUNITION. Tubes and adaptors have been rendered obsolete. These rifles are used by numerous rifle clubs, territorials, cadets, &c. Privately-owned rifles can be fitted with barrels for these ammunitions, and the barrels can, when worn out, be re-bored up to full .303 size. For Prices see below.



TESTING AT WORKS is confined to careful testing at 100 yards for grouping and "zero." Best Target Rifles are guaranteed in these respects.

SPECIFICATIONS.

BEST TARGET MATCH RIFLES with specially selected match barrel, watched carefully from the forging to the finished stage; Government viewed complete; Service Pattern in all respects each

EXTRAS:

- SPECIALLY SELECTED HEART WALNUT STOCKS extra from
(Buyers of Special Match Rifles should always specify picked heart stocks.)
- BARRELS OF SPECIALLY TOUGH "NICKEL" STEEL extra
- NOSE CAP and LOWER BAND, lined with Asbestos to admit of equal barrel expansion—
B.S.A. Patent 16464/03 (see page 16) extra
- For GOVERNMENT VIEWING Military Quality Rifles
(The official view certificate is sent with the rifle when wanted.)

WITHOUT EXTRA CHARGE:

- ENFIELD COCKING PIECE, with Safety Locking Bolt; or Metford Cocking Piece, without Safety Locking Bolt.
- BARRELS WITH "METFORD" instead of "Enfield" Rifling, or SHORT BULLET "LEAD" instead of Long Bullet "Lead."

ORDINARY PLAIN MILITARY QUALITY RIFLES

- .303 BORE each
- .303 MID-RANGE. For target shooting up to 500 yards; or .22 rim fire or .297/230 (Morris) central fire bore. For MINIATURE RANGE work up to 200 yards each
- For fitting Mid-Range or Miniature Barrels to PRIVATELY-OWNED RIFLES
- For fitting New Barrel (only) .220 or .297/230 to L.-E. rifles to replace original barrels of these bores worn out each
- For boring out .22 or .297/230 barrels for full service .303 cartridge, including necessary alterations to action each

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B.S.A.

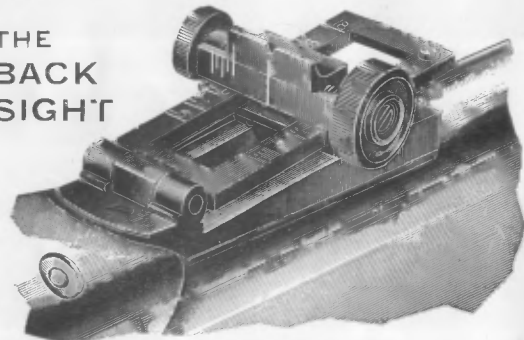
THE TERRITORIAL SERVICE RIFLE

(.303 BORE).

NOTE.—This is the well-known Long Lee-Enfield Pattern Rifle, which has been modified by the introduction of (1) new back sight slide, leaf and bed; (2) new fore sight and protector; (3) a "charger guide bridge," and (4) a new (deeper) magazine, to bring it more up-to-date for the use of the Territorial Forces. The charger guide bridge fitted to the action allows of very rapid loading from clips and the deeper magazine affords better accommodation for 10 cartridges. **The N.R.A. have sanctioned the use of this Rifle in all Service Rifle Events at Bisley.** PRIVATELY OWNED rifles of old pattern can be converted. For prices, etc., see below.

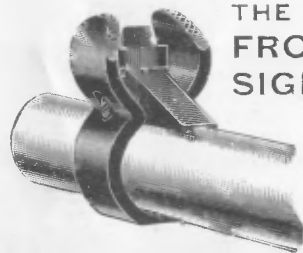


THE
BACK
SIGHT



THE LEFT HAND MILLED HEAD IS TURNED TO TRAVERSE THE WIND GAUGE SLIDE, WHILST THE RIGHT HAND HEAD IS USED TO LOCK THE SLIDE AT ANY ELEVATION ON THE LEAF. THE SIGHTING NOTCHES ARE U INSTEAD OF V-SHAPED, AND THE CENTRE LINE IS PLATINUM INLAID. THIS NEW SLIDE NEEDS NEW LEAF AND BED.

THE
FRONT
SIGHT.



THIS SIGHT IS RECTANGULAR IN SHAPE—THUS IT IS .06 IN. THICK, AND IS OF VARIOUS HEIGHTS AND ADJUSTABLE LATERALLY.

The Protector is detachably secured to the Sight Block.

SPECIFICATION.

BEST QUALITY TARGET RIFLE fitted with specially selected "Metford" or "Enfield" barrel (with short "bullet lead" if required), Government viewed,

Price each.

ORDINARY MILITARY QUALITY not Government viewed,

Price each.

EXTRAS:

SPECIALLY SELECTED HEART WALNUT STOCKS .. extra from
GOVERNMENT VIEWING .. extra
NOSE CAP and LOWER BAND, lined with Asbestos to admit of equal barrel expansion—B.S.A. Patent 16464/03 .. extra
SPECIAL "NICKEL" STEEL BARRELS .. extra

CONVERSIONS:

Conversions of PRIVATELY OWNED Lee-Enfield or Lee-Metford Rifles are undertaken by The B.S.A. Co. Ltd. at .. each
The Conversion includes the fitting of new wind gauge back sight and bed, new front sight and protector, the charger guide bridge on action, new magazine and Govt. viewing.

RE-BARRELLING:

PRIVATELY OWNED L.E. RIFLES can be fitted with barrels with Territorial Sights and Government viewed. Prices are quoted as usual through the retail dealers.

FOR MINIATURE OR MID RANGES:

These rifles are provided with barrels for .22 rim fire or .297/230 central fire cartridges for short range practice, or for mid ranges. Price each.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

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B.S.A.

SPECIAL LEE-ENFIELD MAGAZINE SERVICE RIFLE

(.303 BORE)

(LONG)

Fitted with the Back Sight of the Military Short Rifle (see page 10).

THIS rifle is in all respects similar to the .303 Target Rifle described on page 7, with the exception that it has the back sight of the Service Pattern Short Rifle (page 10), instead of the ordinary tangent back sight. Long rifles with short rifle sights are not at present allowed in N.R.A. competitions in the United Kingdom, but they are VERY EXTENSIVELY USED IN THE COLONIES, and are made and confidently recommended for these markets. The back sight permits of fine vertical and lateral screw adjustments.

The rifle can, as will be seen below, be supplied with barrels specially chambered and bored FOR MID-RANGE OR MINIATURE AMMUNITION.

NOT BEING OF STRICTLY SERVICE PATTERN (BECAUSE OF THE BACK SIGHT)
THIS RIFLE CANNOT BE SUPPLIED GOVERNMENT VIEWED.



TESTING AT WORKS is confined to careful shooting at 100 yards for grouping and "zero." Best Target Rifles are guaranteed in these respects.

SPECIFICATIONS.

BEST TARGET MATCH RIFLES with specially selected match barrel, watched carefully from the forging to the finished stage each

EXTRAS:

SPECIALLY SELECTED HEART WALNUT STOCKS .. extra from (Buyers of Special Match Rifles should always specify picked heart stocks.)
BARRELS OF SPECIALLY TOUGH "NICKEL" STEEL .. extra
NOSE CAP and LOWER BAND, lined with Asbestos to admit of equal barrel expansion—B.S.A. Patent 16464/03 (see page 16) .. extra

WITHOUT EXTRA CHARGE:

ENFIELD COCKING PIECE, with Safety Locking Bolt; or METFORD COCKING PIECE without Safety Locking Bolt.
BARRELS WITH "METFORD" instead of "Enfield" Rifling; or SHORT BULLET "LEAD" instead of Long Bullet "Lead."

ORDINARY PLAIN MILITARY QUALITY RIFLES—

.303 BORE each
.303 MID-RANGE. For mid-range ammunition. For target shooting up to 500 yards. Or, .22 rim fire or .297/230 (Morris) central fire bore. For MINIATURE RANGE work up to 200 yards each
For fitting Mid-Range or Miniature Barrels and Short Rifle Back Sight to privately owned rifles of ordinary plain pattern, and modifying actions each
Fitting Mid-Range or Miniature Range Barrels to rifles, as illustrated above, using customers' own sights each
For fitting New Barrel (only) .220 or .297/.230 to L.-E. rifles to replace original barrels of these bores, worn out each
For boring out .22 or .297/.230 barrels for full service .303 cartridge "

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B.S.A.

LEE-ENFIELD MAGAZINE SHORT RIFLES

BRITISH GOVERNMENT PATTERN. '303 BORE.

THESE rifles, despite the comparatively short barrels, give the same velocity to the bullets of Service '303 ammunition as the long rifle. They are fitted with sights which are an improvement on those used on the long rifle. The sights on both the Mark I* and Mark III. rifles allow of fine, vertical and lateral adjustments. The former has a V notch on the back sight and a barleycorn foresight; and the latter a U notch and knife edge (I) foresight. The actions are adapted for rapid loading from clips and are fitted with safety bolts.

A CONDITION OF SALE MADE BY THE WAR OFFICE AUTHORITIES is that these Rifles—except when fitted with mid-range or miniature range barrels—SHALL BE SOLD ONLY TO BRITISH SUBJECTS. Forms of guarantee are supplied on request, to be signed by the buyer and sent with order.

For MINIATURE AND MID-RANGE WORK, i.e., when fitted with specially bored barrels for '22 r.f., '297/'230 miniature, or '303 mid-range ammunition, these rifles are STRONGLY RECOMMENDED. They have been used by many rifle clubs with unexampled success.

MARK I* PATTERN.



BEST QUALITY TARGET RIFLES Government viewed and stamped with special sale mark. Fitted with specially selected match barrels, with either Metford or Enfield rifling. Government view certificate supplied when desired

PLAIN MILITARY QUALITY RIFLES each

LATEST SERVICE PATTERN—MARK III.



BEST QUALITY TARGET RIFLES Government viewed and stamped with special sale mark. Fitted with specially selected match barrels with either Metford or Enfield rifling. Government view certificate supplied when desired

PLAIN MILITARY QUALITY RIFLES each

EXTRAS:

GOVERNMENT VIEWING Plain Military Quality Rifles	..	each
SPECIALY SELECTED HEART STOCKS	..	..from ..
NICKEL STEEL BARRELS	..	..
SWORD BAYONETS, 1903 Model	..	..

RIFLES FOR MID-RANGE OR MINIATURE RANGE PRACTICE:

MARK I* Rifle, complete (as illustrated above), '22 rim fire, or '297/'230 central fire, for miniature ranges; or '303 mid-range for accurate practice to 500 yards	..	..	each
MARK III. ditto ditto ditto ditto	..	..	..
Fitting NEW BARRELS, '22, '297/'230, or '303 mid-range to privately owned Mark I* or Mark III. rifles (using old sights) and making necessary alteration to action	..	..	each
Fitting NEW BARRELS only, '22 or '297/'230, to replace original barrels of these bores worn out	..	..	each

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



B.S.A.

B.S.A. APERTURE RIFLE SIGHTS.

THE No. 9 SIGHT FOR L.-E. SERVICE ARMS.

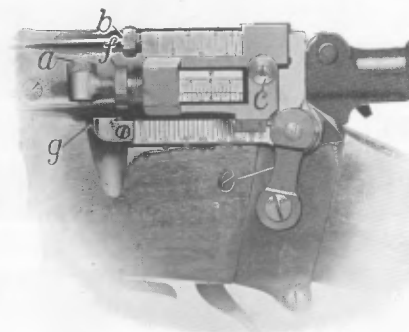
The "FIELD" of July 24th, 1909, says:—"The accepted effect of the Aperture Sight at this year's Bisley Meeting is that it has proved of immense benefit in raising the scores of the inferior shooters, and in minimising the difficulties of the expert marksmen."

Verniers, Orthoptic Spectacles, etc., are NOT NEEDED with this sight.

The B.S.A. No. 9 Sight here illustrated was used by nearly every competitor, including the King's prize winner at Bisley, 1909. Some thousands are already in use

"Rifle Sights under Bisley Rules," post free, fully explains the advantages given by Aperture Sights.

PATENTS Nos. 27332-08 AND 26943-07. ALSO PROTECTED IN ALL THE COLONIES.



DESCRIPTION: The illustrations show how this sight is attached to the Service Rifle; the usual long range Aperture Sight stem is removed and the No. 9 Sight takes its place. Anyone can fit it.

It is pivoted on the screw shown at the centre of the top of the spring e. The bottom screw regulates the pressure of the spring against the sight, which is held rigidly and definitely in either the firing or the closed down position as illustrated.

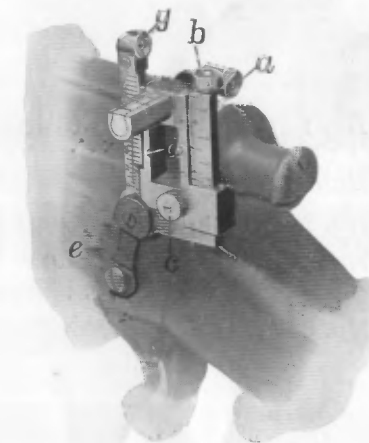
The wind-gauge bar is pivoted between the springs legs, d, and is correctly and firmly positioned either for firing or the reverse by notch and ridge arrangements similar to those which position the sight as a whole.

The aperture disc, a, screws into the end of the wind-gauge bar. It may be removed and replaced if necessary by a disc of larger diameter, or with a different size of aperture.

The B.S.A. patent arrangement of left and right hand threaded screws is employed in this bar to great advantage. It allows the aperture disc to be placed as shown at the extreme end of the bar, so that there is no projection

beyond the aperture to get in the way of and injure the hand. This has been found to be a point of great merit, especially during rapid firing.

Fine or coarse movements of elevation may be made, the first by turning the screw head, b, and the second by disengaging the fine adjustment screw from the bar carrier by turning the screw, c.



PRICE EACH.

DISCS, 1/2 in. diameter, with aperture '02in., '03in., '04in., '05in., '06in. or '07in. in diameter	..	..	each extra
SPARE STRONG FIXING SPRINGS	..	..	..

When ordering specify No. 9. Standard size of aperture is '04in.

Purchasers should ask for Aperture Sight No. 8 when ordering, and should mention the kind of rifle it is for.



THE No. 8 SIGHT FOR MINIATURE RIFLES.

The wind-gauge screw head A is turned to move the sight in a lateral direction. It should be noted that the B.S.A. Patent duplex left and right handed screw threads are introduced, great compactness of the parts resulting; the sight may be folded backwards when not in use. The disc C is detachable. Spare discs, with larger or smaller holes to suit different conditions of shooting, are provided. Vertical movement is given to the sighting disc by means of the screw head B.

The vernier scales allow movements of 1-100th of an inch to be made with certainty; this movement of the sighting disc represents 1/3 in. on the target at 25 yards, 2/3 in. at 50 yards, and so on, when the distance between the sights is 27 inches.

THE SIGHT BED D IS MADE OF DIFFERENT SHAPES AND THE SIGHT STEM OF VARIOUS HEIGHTS TO SUIT DIFFERENT MINIATURE & AIR RIFLES.

PRICE EACH. FITTING EXTRA. SPARE SIGHTING DISCS, each.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



B.S.A.

LEE-ENFIELD MAGAZINE SPORTING RIFLES

'303 BORE { For any '303 ammunition giving chamber pressure not exceeding that of '303 Service cartridge.

B.S.A. Sporting Rifles are extensively used for all sorts of big game shooting in different parts of the world. Buyers should realize that the comparatively low price of B.S.A. Sporting Rifles is accounted for by the fact that although the very best material is used a large number are made by the accurate repetition machinery which is used in the manufacture of Service Pattern Rifles. It is also important to remember that these sporting rifles are built up with such close regard to weight, balance, and shape of stock, that they "come up" to the shoulder and cheek like a well-made sporting shot gun. Snap shooting is much facilitated thereby. Many of these rifles are used in running deer and running man competitions at Bisley. Cole's Registered holdfast foresight protector can be fitted if necessary.

FOR ILLUSTRATIONS SEE OPPOSITE PAGE—NO. 13.

STANDARD SPECIFICATION.

BARREL	'303 bore, 24½ inches long, 5 groove Enfield rifling.	ACTION	Engraved and blued, and fitted with Enfield military safety catch (see page 16).
SIGHTS	<i>Back</i> —100 yards fixed, folding leaves for 200 and 300 yards, and tangent from 400 to 1,000 yards. <i>Front</i> —Adjustable bead, platinum or ivory tipped.	STOCK	Walnut, with chequered grips. Pistol grip on butt.
MAGAZINE	To hold five cartridges.	OIL BOTTLE AND PULL-THROUGH CLEANER	} In trap provided in butt.

PRICES.

No. 1 PATTERN	Flat top engine turned rib. Grip and fore-end fitted with horn caps. Hand-somely engraved; superior finish	...	...	Hand- each
Ditto	ditto ditto plain finish	...	...	"
No. 2 PATTERN	Same as No. 1, but with plain round barrel	...	...	"
No. 3 PATTERN	Plain finish, round barrel, no horn caps	...	...	"
No. 4 PATTERN	{ (Semi-military.) Same as No. 2 pattern, except that fore-end is full military length, and that it has attachment for bayonet	...	...	each
		Ditto ditto but plain finish, similar to No. 3 pattern	...	"

Orders for Sporting Rifles will be executed strictly in accordance with above specification, unless otherwise ordered. They can, however, be supplied with:—

LONGER BARRELS up to 30 inches
METFORD RIFLING
10-SHOT MAGAZINES instead of 5
METFORD BOLT without Safe

WITHOUT EXTRA COST.

And with

B.S.A. PATENT SAFETY BOLT, for particulars of which see page 16	-	for an extra charge of	each.
CHARGER LOADING ACTIONS, similar to Mark III. Short Rifle—see page 10	"	"	"
GOVERNMENT PATTERN SIGHTS	"	"	"
COLE'S HOLDFAST FORESIGHT PROTECTOR	"	"	"

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



B.S.A.

B.S.A. SPORTING RIFLES

'303 BORE.

No. 1 PATTERN.



LENGTH OVER ALL - - 3ft. 8½in.
" OF BARREL - - 2ft. 0½in.
WEIGHT (average) - - 7lb. 10oz.

No. 2 PATTERN (SHOWING 10-SHOT MAGAZINE).



LENGTH OVER ALL - - 3ft. 8½in.
" OF BARREL - - 2ft. 0½in.
WEIGHT (average) - - 7lb. 6oz.

No. 3 PATTERN.



LENGTH OVER ALL - - 3ft. 8½in.
" OF BARREL - - 2ft. 0½in.
WEIGHT (average) - - 7lb. 6oz.

No. 4 PATTERN (SEMI-MILITARY) WITH ATTACHMENT FOR BAYONET.



LENGTH OVER ALL - - 3ft. 8½in.
" OF BARREL - - 2ft. 0½in.
WEIGHT (average) - - 7lb. 14oz.

For particulars and prices see page 12 opposite.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



LEE-ENFIELD MAGAZINE MILITARY CARBINES

'303 BORE { For any ammunition giving pressure not higher than the '303 Service Cartridge.

These Carbines are not strictly of Service Pattern, and therefore cannot be supplied Government viewed. They make admirable "handy" sporting rifles, and sell in considerable numbers to those who want cheap weapons for all-round work.

FOR ILLUSTRATIONS SEE OPPOSITE PAGE—NO. 15.

No. 1. FOR OFFICERS' USE (FITTED FOR BAYONET).

STANDARD SPECIFICATION.

<p>STOCK <i>Butt</i>—Ordinary military pattern and length, with chequered grip. <i>Fore-end</i>—Chequered, and fitted with attachment for sword-bayonet.</p> <p>BARREL 19 inches long, "Enfield" rifling; or can be supplied with "Metford" rifling if preferred.</p>	<p>SIGHTS <i>Back</i>—Military carbine. <i>Front</i>—Military barleycorn.</p> <p>ACTION With 5-shot or 10-shot magazine and B.S.A. patent safety bolt.</p> <p>OIL BOTTLE AND PULL-THROUGH CLEANER } In trap provided in butt.</p>
PRICE	EACH.

No. 2. FOR OFFICERS' USE (NOT FITTED FOR BAYONET).

The specification of the above officers' carbine applies to this arm except that the fore-end is carried to the muzzle, and it is without bayonet attachment. Oil bottle and pull-through cleaner included with each carbine.

PRICE EACH.

No. 3. "TRADE" PATTERN.

SPECIFICATION.

<p>STOCK Military pattern butt and fore-end, plain finish, not chequered.</p> <p>BARREL 21 inches long, or to order; "Enfield" rifling.</p> <p>SIGHTS <i>Back</i>—Military, as on infantry rifle. <i>Front</i>—Military barleycorn.</p>	<p>ACTION Military pattern, not engraved, with military safety bolt.</p> <p>MAGAZINE 10-shot, but fitted with 5-shot magazine if preferred (no extra charge).</p> <p>OIL BOTTLE AND PULL-THROUGH CLEANER } In trap provided in butt.</p>
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PRICE (with military sights)	EACH.
" (with sporting back sight and military front)	"

EXTRAS:

For No. 3 Trade Pattern—B.S.A. PATENT SAFETY BOLT (see page 16)	..	each
CHARGER LOADING ACTION	..	"
SWORD BAYONETS	..	"

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



LEE-ENFIELD MAGAZINE MILITARY CARBINES

'303 BORE.

No. 1. FOR OFFICERS' USE, FITTED FOR BAYONET.



LENGTH OVER ALL - 3ft. 2in.
WEIGHT (average) - 7lb. 3oz.

No. 2. FOR OFFICERS' USE, NOT FITTED FOR BAYONET.



LENGTH OVER ALL - 3ft. 2in.
WEIGHT (average) - 7lb. 3oz.

No. 3. "TRADE" PATTERN.



LENGTH OVER ALL - 3ft. 4in.
WEIGHT (average) - 7lb. 14oz.

For particulars and prices see page 14 opposite.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



SAFETY LOCKING BOLTS B.S.A. IMPROVED PATTERN.

PATENT NO. 28834/97.

The following illustrations show the difference between the ordinary military pattern safety catch and the **B.S.A. PATENT SAFETY** locking device. We strongly recommend the latter because it provides greater security against accidents, and has a much neater appearance.

THE B.S.A. PATENT SAFETY LOCKING DEVICE

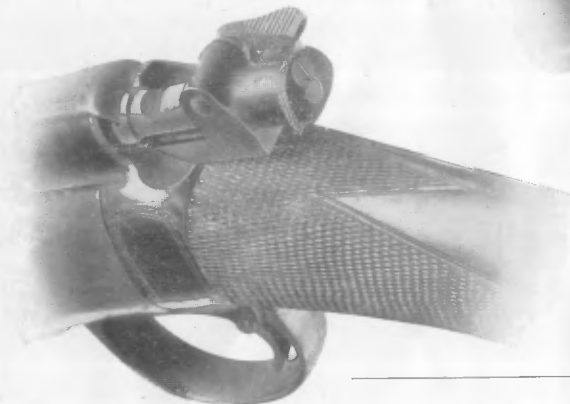
IS OPERATED BY MEANS OF THE THUMBPIECE SHOWN ON THE ACTION STRAP.

It can be fitted to any Service Pattern of our manufacture at an additional charge of



THE MILITARY PATTERN SAFETY CATCH

IS OPERATED BY MEANS OF THE LEVER SHOWN ON THE RIGHT HAND SIDE OF THE COCKING PIECE.



B.S.A. ASBESTOS PACKED BANDS — FOR — TARGET RIFLES.

ASBESTOS is arranged, as shown in the illustrations below, in grooves in the top of the nose cap and lower band, so that besides holding the barrel firmly it admits of equal barrel expansion. Clips or bands are usually machined to fit loosely, and although allowing for expansion of the barrel when hot, there is an objectionable looseness between the parts. The B.S.A. system of packed bands obviates this objection, at the same time preventing metallic bind.

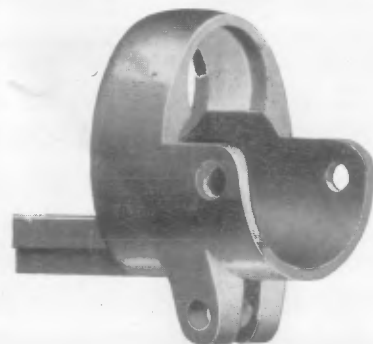


LOWER BAND.

B.S.A. PATENT
NO. 16464-1903.

USED BY ALL
BISLEY
PRIZE WINNERS.

COST OF PACKING NOSE CAP
AND BAND,



NOSE CAP.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



B.S.A. WIND-GAUGE SIGHT SLIDES

SUITABLE FOR MARTINI, LEE-ENFIELD, OR LEE-METTFORD SIGHTS.

The slides with screw adjustment (B.S.A. Patent No. 21296/07) were introduced when the **N.R.A. Rules were altered to allow of their use.** They were used at Bisley during the 1908 meeting by over 90 per cent. of the competitors, and large numbers have been distributed in the Colonies.

The scales on these slides consist of finely engraved lines $\frac{1}{10}$ th inch apart; each $\frac{1}{10}$ th inch represents what the rifleman man knows as a "degree." If the slide is moved from right to left one division or six "degrees," the bullet is caused to strike the target six inches to right or left at 100 yards, 12 inches at 200 yards, 18 inches at 300 yards, and so on.

One complete turn of the screw head on the right moves the slide one complete division. The screw head is divided up on the milled portion into six even parts, so that a movement of one sixth of a division, or one "degree," may accurately be made. These slides are adapted for miniature as well as long range shooting.

The N.R.A. now allow the use of the Aperture Sights illustrated. Different individuals need different sized aperture holes, and therefore we have introduced the small reamers illustrated below. These are handy little tools which may be used for many purposes.

No. 1 PATTERN.



With plain bars or with V's each

No. 3 PATTERNS.



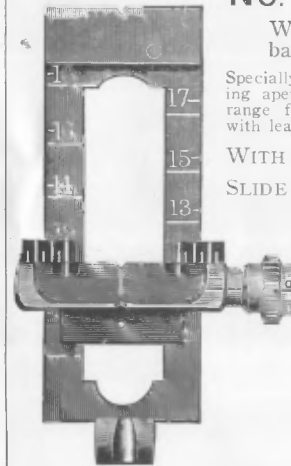
With two apertures Circular or square metal round apertures each

No. 2 PATTERN.

With V's or plain bars and aperture.

Specially designed to allow hanging aperture to be used at any range from 200 yards upwards with leaf in vertical position.

WITH SPECIAL LEAF SLIDE ONLY



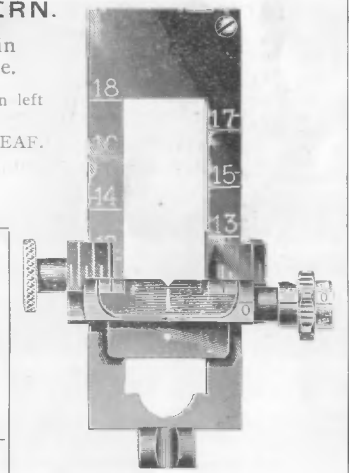
No. 5 PATTERN.

With V's or plain bars and aperture.

Has special lock nut on left hand side.

NEEDS SPECIAL LEAF.

WITH LEAF COMPLETE each



No. 4 PATTERN.



With vertical scale V's or plain bars each

GOVERNMENT "PUSH" SLIDE. PATTERN

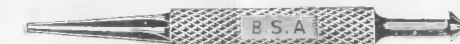


Plain bars or V's each

ALL THESE SLIDES HAVE BEEN PASSED BY THE N.R.A. FOR USE at BISLEY.

Full particulars of Special Aperture Sight for the rear of the L.-E. Action, passed for Bisley, see page 11.

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

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



B.S.A. AIR RIFLES FOR TARGET AND SPORTING WORK.

THE introduction of the B.S.A. Air Rifle has been a phenomenal success. By its remarkable accuracy, reliability and killing power it has overcome the objections of those who have hitherto regarded air rifles as toys, and not to be treated seriously.

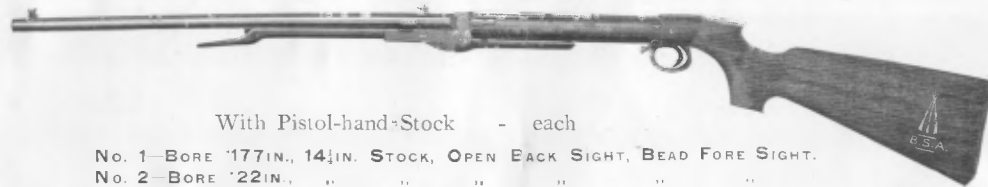
The barrel of the B.S.A. Air Rifle is rifled on machines patented by the Company, and the rifles are made just as substantially, and the materials are as good, as the many thousands of Service Rifles which are annually made by the Company for the Government.

The rifle is used for target practice by members of over 5,000 air rifle clubs, and a great many have found places in country houses, farms and private homes for sporting as well as for target work. For sporting work the new '22 bore air rifle is specially recommended.

The cheapness of the ammunition (per thousand rounds) is a telling point in favour of the air rifle. The B.S.A. Air Rifle shoots quite as accurately and is as reliable as any miniature rifle. It is used very extensively not only in the United Kingdom but also abroad, particularly in the Colonies. No license is needed to use it in the house or garden, or on properly affiliated rifle club ranges.

A fully illustrated handbook on the B.S.A. Air Rifle will be sent post free to anyone interested in these arms. A special illustrated 88 page treatise, called the "Complete Air-Gunner," costs , post free.

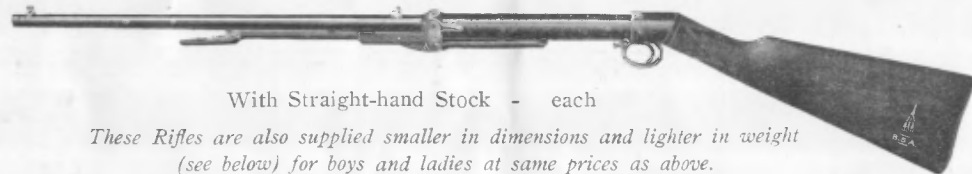
STANDARD PATTERNS.



With Pistol-hand Stock - each

No. 1—BORE '177IN., 14½IN. STOCK, OPEN BACK SIGHT, BEAD FORE SIGHT.

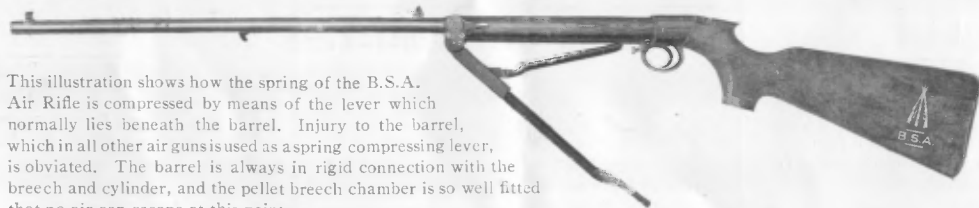
No. 2—BORE '22IN., " " " " " " " " " "



With Straight-hand Stock - each

These Rifles are also supplied smaller in dimensions and lighter in weight (see below) for boys and ladies at same prices as above.

METHOD OF COCKING.



This illustration shows how the spring of the B.S.A. Air Rifle is compressed by means of the lever which normally lies beneath the barrel. Injury to the barrel, which in all other air guns is used as a spring compressing lever, is obviated. The barrel is always in rigid connection with the breech and cylinder, and the pellet breech chamber is so well fitted that no air can escape at this point.

GENERAL PARTICULARS OF THE B.S.A. AIR RIFLE.

	STANDARD PATTERN.	LIGHT PATTERN (for boys or ladies)	STANDARD PATTERN.	LIGHT PATTERN (for boys or ladies)
WEIGHT ..	7lb. ..	6lb. 4oz.	43½in.	39½in.
LENGTH OF STOCK ..	13½, 13½, 14½in. (as ordered).	13½, 13½, 14½in. (as ordered).	50 yards	40 yards
(Trigger to Butt Plate)			TRIGGER PULL ..	Adjustable .. Adjustable

All Rifles are Sighted and Tested by Experts before they leave the Factory.

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

TRADE MARKS

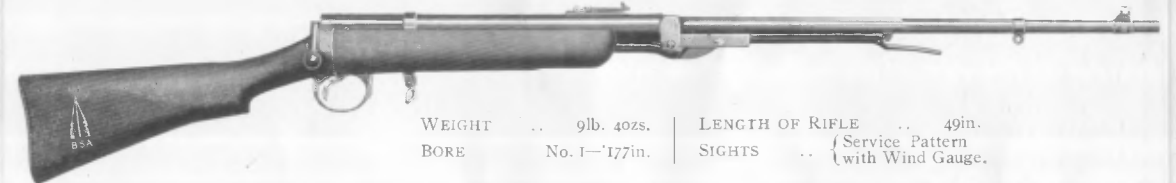


B.S.A. MILITARY AIR RIFLE

FOR TERRITORIALS, CADETS, RIFLE CLUBS, ETC.

THIS rifle embodies the well known B.S.A. system of fixed barrel. It has the same weight, balance and general "feel" as the Long Lee-Enfield Service Rifle. It is used in many drill halls at home and abroad, officers commanding having realised that practice with it is just as good as that obtained with '22 calibre rifles, and ever so much better and cheaper than with Morris tubes or other adaptors.

It is interesting to note that a B.S.A. Military Air Rifle and 7,000 rounds of ammunition cost about the same as 7,000 rounds of '22 ammunition ALONE, or 4,000 rounds of Morris ammunition. The barrel does not want frequent cleaning as there is no gunpowder deposit. It merely needs oiling occasionally.



WEIGHT ..	9lb. 4ozs.	LENGTH OF RIFLE ..	49in.
BORE ..	No. 1—'177in.	SIGHTS ..	Service Pattern (with Wind Gauge).

RIFLE COMPLETE (with wind-gauge sight slide) ... each

AIR RIFLE AMMUNITION—"ADDER" PELLETS.

An enlarged representation of the most successful design of air rifle pellet is shown. The "ADDER," made specially for the B.S.A. Air Rifle, is of this design. By reason of the small bearing surface the friction in passing through the barrel is reduced to a minimum, but the pellet is sufficiently well supported by the rifling at front and back to be spun truly on its axis. The corrugations have no special object, being merely the result of the process of manufacture. The nose of this pellet is so shaped as to assure of good results up to 50yds.

"ADDER" PELLET.

For No. 1 '177 bore B.S.A. Air Rifle.

PENETRATION IN WHITE DEAL PLANK:
50yds., ⅜in.; 25yds., ⅜in.; 10yds., ½in.

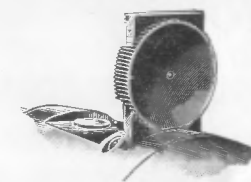
Per thousand

For No. 2 bore '22in. Rifle.

Per thousand



SPECIAL SIGHTS FOR B.S.A. AIR RIFLE (ADJUSTABLE).



APERTURE or "PEEP" BACK SIGHT (vertically adjustable.)

Fitted to top of the trigger block of B.S.A. Air Rifle.

(Also see No. 8 Aperture Sight—page 11.)

Folding Aperture Back Sight, instead of ordinary open back sight, when supplied with new rifle extra

Folding Aperture Back Sight and ordinary Open Sight, when supplied with new rifle extra

Supplying and fitting Aperture Sight to customer's own rifle ...

Ivory-faced Bead Fore Sight ...

TARGETS.

A special list of metal and paper targets made for air rifle shooting will be sent on application.

SPARE PARTS.

List and illustrations on application.

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

TRADE MARKS



THE WAR OFFICE MINIATURE RIFLE

MADE BY THE B.S.A. CO. LTD. TO GOVERNMENT SPECIFICATION.

Bore .22 Rim Fire or .297/230 (Morris Central Fire.)

THIS Official Pattern Miniature Rifle has been introduced by the authorities for the use of members of rifle clubs, cadet corps, &c., but it is also used very extensively as a sporting rifle. It is a reproduction in miniature of the latest pattern Short Service Rifle.

In deference to the wishes of the authorities the prices have been cut down to the very lowest possible point, and it is emphatically asserted that it is comparatively the cheapest arm of its kind on the market.

A great number are in use at home and in the colonies, its popularity having increased greatly since the introduction into the action of the B.S.A. Patent Safety Bolt dealt with below.

The stock may be detached from the barrel by simply removing the front swivel and the stock pin, and the only appliance that is needed to take the action entirely to pieces is a copper coin.

SPECIFICATION.

Weight of rifle, standard pattern	...	5½ lb.
" " long fore-end pattern	...	6 lb.
Length over all	...	41½ in.
Length of barrel	...	24 in.
Length of stock—trigger to centre of stock end	...	13½ in.
Trigger pull—first stage of movement—	between 1 & 2 lb.	
" " —final release	minimum	4 lb.
Distance between open sights	...	18 in.
Distance from butt to backsight	...	22½ in.
Magazine—for .22 bore cartridges only	...	5-shot.

WITHOUT EXTRA CHARGE.

- Oil bottle
- Pull through cleaner with bristle brush
- BARLEYCORN instead of knife blade fore-sight.
- BACKSIGHT WITH V instead of U notch.
- .297/230 "LONG" or "SHORT" BORE instead of .22 r.f. "long rifle" or "short" bore, for single shot rifles only.

Provided in the cavity in the stock covered by butt plate.

B.S.A. IMPROVED BOLT ACTION.

B.S.A. PATENT No. 14373-1907.



EXTRACTOR

These illustrations show the B.S.A. Patent Method of entirely enclosing the cartridge extractor to prevent harm being done to it by violent rim fire cartridges, which sometimes burst at the base and "blow back."



FRONT VIEW OF BOLT HEAD.

BOLT HEAD

SECTION THROUGH BOLT HEAD SHOWING EXTRACTOR LYING IN CLOSED-IN CHANNEL.

Cost of fitting this new action to old pattern rifles each

PRICES.

For illustrations see opposite page.

STANDARD PATTERN	...	each
MAGAZINE	"	"
LONG FORE-END PATTERN	"	"

For extra cost of Specially Finished rifles, fitted with picked heart walnut stocks, nicely chequered, see below.

EXTRAS.

SPECIAL FINISH, and fitted with picked heart walnut stocks, nicely chequered	...	each
SPECIAL APERTURE SIGHT, as illustrated on opposite page, fitted	...	each
Not fitted	...	each
APERTURE SIGHT (Lyman with disc), fitted to grip of stock	...	each
CENTRE SLING SWIVEL, see illustration of long fore-end rifle, opposite page	...	each
SLING, brown or black leather	...	each
MAGAZINES, spare	...	each

Prices of other Special Sights and Accessories, such as cleaning rods, gun covers, etc., sent on application. Spare parts are supplied for repair purposes only.

TRADE MARKS



THE WAR OFFICE MINIATURE RIFLES

Bore .22 Rim Fire or .297/230 Central Fire.

"THE SERVICE RIFLE IN MINIATURE."

Purchasers should see the W.O. Miniature Rifles bear the following marks—part on barrel and part on action body:—

OFFICIAL GOVERNMENT VIEW MARKS:

MIN. R.FLE. W.O. PATT.
R: 475418

Stamped only on rifles which accord in every respect with Government Specification.

LICENSED MANUFACTURERS' MARKS:

"Made by The Birmingham Small Arms Company Limited, Birmingham, 1908," and Trade Marks.

For specification and prices of rifles below see opposite page—No. 20.



STANDARD PATTERN.



MAGAZINE PATTERN.
(For .22 long rifle ammunition only.)



LONG FORE-END PATTERN.
(Introduced by B.S.A. Co. specially for cadets, rifle clubs, &c.)
(Note B.S.A. Centre Sling Swivel.)

SPECIAL APERTURE SIGHT.

Rifles with aperture sights fitted to the grip in a position which does not interfere with the movement or withdrawal of the bolt are supplied when needed by The Birmingham Small Arms Company. The fitting of sights on the wood of this rifle is not recommended, as a slight movement of the screws which hold barrel and wood together naturally alters the "zero" of the line of sight.

The special sight illustrated is fitted to the metal; it can be adjusted vertically and laterally; it can be locked in position; and is, in the opinion of many good shots who use it, near enough to the eye. For price of sight and fitting see opposite page.



THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.

TRADE MARKS



THE B.S.A. MINIATURE RIFLE "No. 2" MODEL

PATENT NOS. 14373/07; 19941/07. REGISTERED DESIGN NO. 533202.

FOR .22 "long rifle" or "short" rim fire; }
 .297/230 "long" or "short" central fire } AMMUNITION.

SINGLE SHOT.

This rifle is the latest of the B.S.A. productions and is perfectly designed to handle rim fire and other miniature cartridges.

Patent Sealed Breech Closure. The bolt head is so recessed that the cartridge head lies in a sealed chamber when the rifle is closed.

Rim fire ammunition is prone to blow back, and the B.S.A. patent recessed head quite overcomes the objections of this ammunition fault.

Striker and Trigger Action. The striker action of this arm is very lively; perfect detonation is secured, the time between the pulling of the trigger and the discharge of the cartridge being very short as to be almost instantaneous. The rifle has a very sweet trigger pull, about 4lbs. in weight. This is the result of perfect trigger adjustment.

Cocking. The process of self-cocking is divided. It is half done in opening the rifle, and completed automatically when the bolt is closed.

Value. It is claimed that it is by far the best value in rifles ever offered at , many other bolt action arms at about this price being comparatively toy like and unsubstantial.

Strength and Beauty of Construction. The B.S.A. rifle is of ample dimensions (see the specification below), and it is solidly and beautifully built of the highest class of material obtainable. The parts are few and are all absolutely interchangeable.



PRICES.

- No. 2 Model, Standard Pattern ...
- No. 3 Model, Special Pattern ...

SPECIFICATIONS.

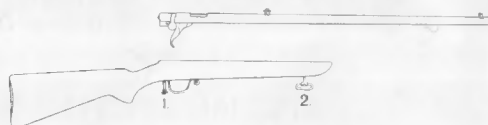
STANDARD PATTERN, No. 2.

- WEIGHT - - - - - 5lb.
- LENGTH OVER ALL - - - 41in. (3ft. 5in.)
- DISTANCE FROM TRIGGER }
 TO END OF STOCK } - - - 13 1/2 in.
- LENGTH OF BARREL 24in. (best steel, round, heavy).
- DISTANCE BETWEEN SIGHTS - - - 18in.
- BACKSIGHT - Screw adjustment for vertical elevation for shooting up to 200 yards. Aperture sight can be fitted at extra cost (see pages 11 and 21).
- FORESIGHT - Bead, or barleycorn, adjustable laterally in dovetail groove.
- STOCK - Italian figured walnut. BUTT PLATE, blued steel.
- ACCURACY - GUARANTEED.
- ACTION - Patent safety bolt type; self cocking, strong shell extractor and ejector; finely adjusted.

SPECIAL PATTERN, No. 3.

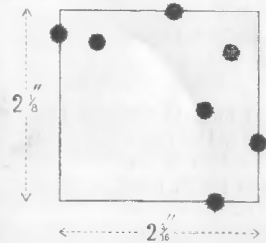
- Specification same as above except—
- STOCK - Specially selected Italian heart walnut, chequered grip, and fore-end capped with buffalo horn, metal parts nicely blued.
- FINISH - SPECIAL. Mostly handwork.

DISMOUNTING. No tools necessary.



UNSCREW SWIVEL (2) AND GUARD SCREW (1) SHOWN. These parts cannot fall out.

SHOOTING AT 100 YARDS.



This fine shooting represents a fair average of what these rifles will do. It is the result of perfect boring and perfect firing mechanism.

The N.R.A. Standard Bull's Eye for 100 yards is 3in. in diameter.

TRADE MARKS



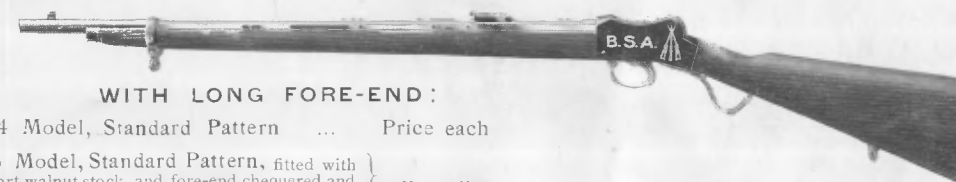
B.S.A. MARTINI MINIATURE RIFLES

FOR .22 "long rifle" or "short" rim fire; }
 .297/230, .297/250 "long" or "short" } AMMUNITION.
 central fire; or .300 or .310 central fire }

THE .310 Martini Rifle, with long fore-end illustrated below, has been supplied in large numbers to the Australian Commonwealth Government for the use of cadets, etc. It makes a very good target or sporting rifle for effective use up to 500 yards. The action is easily dismountable, but the barrel is fixed. Practice has proved that detachable barrels do not give such good shooting results as fixed barrels.

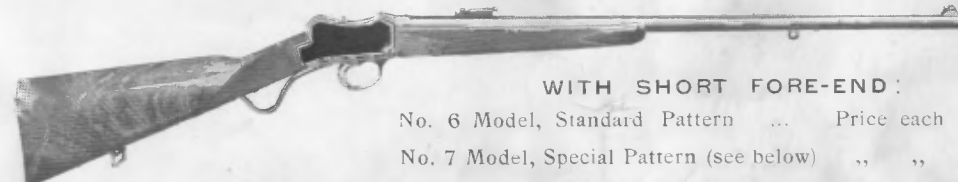
Fitted with barrels for miniature ammunition many of these rifles are used by members of rifle clubs, and by rook and rabbit shots, its great accuracy and ready adaptability to the fitting of aperture sights being greatly appreciated.

For buck and other game shooting, this rifle, with a .300 calibre barrel, is very popular, especially in South Africa.



WITH LONG FORE-END:

- No. 4 Model, Standard Pattern ... Price each
- No. 5 Model, Standard Pattern, fitted with }
 heart walnut stock and fore-end chequered and }
 polished - - - - - " "



WITH SHORT FORE-END:

- No. 6 Model, Standard Pattern ... Price each
- No. 7 Model, Special Pattern (see below) " "

SPECIFICATIONS.

STANDARD PATTERNS, Nos. 4, 5 & 6.

- WEIGHT - - - f 310 or 300 calibre - 5lb. 13oz.
- LENGTHS: (22 calibre - 6lb. 2oz.
- OVER ALL - - - - - 40in.
- BARRELS - - - - - 25 3/4 in.
- DISTANCE BETWEEN SIGHTS - - - 18in.
- DISTANCE OF TRIGGER }
 FROM END OF BUTT } - - - 13 1/2 in.
- BARREL - Interior may be viewed or cleaned through a hole in rear of the action body. Detachable barrels are NOT recommended.
- STOCK - Italian walnut. Blued butt plate.
- BACKSIGHT - Tangent leaf. Wind-gauge Slide or Aperture Sight extra (see pages 11 and 17).
- FORESIGHT - Bead, barleycorn or knife blade.

SPECIAL PATTERN, No. 7.

Those who take a pride in the possession of an "arm de luxe," highly finished in every degree and with a finely figured stock, cannot do better than purchase the best quality arm, No. 7. The specification is the same as that above, with the exceptions that a beautifully figured walnut stock is fitted, the grip and fore-end are chequered (a horn cap being fitted to the latter), the action is border engraved, and all metal parts are polished and blued.

ACTION DISMOUNTED

BY REMOVING THE PIN SHOWN.

A SIMPLE OPERATION WITHOUT TOOLS.



ENGRAVING, as illustrated, on Body, Guard, Lever, and Butt Plate, extra.

THE BIRMINGHAM SMALL ARMS CO. LTD BIRMINGHAM ENG.

THE BIRMINGHAM SMALL ARMS CO. LTD BIRMINGHAM ENG.



B.S.A. STEEL TUBES FOR SPORTING SHOT GUNS.

These Tubes are made from selected steel, and are

MANUFACTURED

ENTIRELY BY MACHINERY

under our

NEW PATENTED PROCESS.

They are forged from a solid bar of steel under a steam hammer, and after being drilled from end to end, are

BORED UP TO FULL SIZE AT ONE OPERATION.

No hammering is employed in straightening B.S.A. Tubes; hence they are free from the internal strains commonly produced in the metal by the ordinary methods of manufacture. Consequently they retain their original straightness in all temperatures.

**THE B.S.A. COMPANY DOES NOT
MANUFACTURE OR SUPPLY
COMPLETE SPORTING SHOT GUNS.**

We cannot impress too strongly upon the sportsman the necessity for specifying, when ordering a shot gun, that it shall be fitted with the celebrated B.S.A. barrels, all of which bear the Company's well-known Trade Mark impressed near the Proof Marks.

The Barrels are now made in three qualities, viz.: "M.S." "Vindex," and "Special" steels. It is possible, therefore, for the sportsman to secure an ordinary, medium, or best quality gun fitted with B.S.A. barrels of any desired bore.

If any difficulty is experienced in securing guns fitted with B.S.A. barrels kindly communicate with us, and we will recommend a reliable maker of sporting guns who specializes in these high-class tubes.

THE BIRMINGHAM SMALL ARMS CO. LTD. BIRMINGHAM, ENG.