

On Her Majesty's Service

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KYNOCH

MILITARY AND SPORTING
AMMUNITION, SMOKELESS
& BLACK POWDER PRICE
LIST :: :: SEASON 1905-6

KYNOCH LIMITED

LION WORKS, WITTON, BIRMINGHAM

KYNOCH LIMITED



TRADE MARK.

HEAD OFFICE and Ammunition Works:
Lion Works, Witton, Birmingham.

Telegrams: "KYNOCH, Birmingham."

LONDON OFFICE and Warehouse:
James Street, Haymarket, S.W.

Telegrams: "KYNOCH, London."

SCOTTISH DEPÔT:
HUNTER & WARREN LTD., 19 Waterloo St., Glasgow.

Telegrams: "KYNOCH, Glasgow."

IRISH DEPÔT:
Kynoch Limited, Arklow, Co. Wicklow.

Telegrams: "KYNOCH, Arklow."

KYNOCH LIMITED

PRICE LIST OF MILITARY AND SPORTING CARTRIDGES AND GUNPOWDERS, 1905

Contractors to H.M. Home and Colonial Governments for Small-Arm, Quick-Firing & Machine-Gun Ammunition, Shrapnel, Armour-Piercing & Lyddite Shells, Cordite, Smokeless & Black Gunpowder, Steel Forgings, Percussion, Time and Delayed-Action Fuzes.

ARKLOW and KYNOCHTOWN	-	Cordite and Nitro-Explosive Works.
WORSBORO' DALE (Yorkshire)	-	Black Gunpowder Mills.
HOLFORD - - - -	-	Cycle Fittings, Gas and Oil Engine Works.
WITTON - - - -	-	Sporting and Military Ammunition Works.
„ - - - -	-	Crucible and Siemens-Martin Steel Foundries.
„ - - - -	-	Soap, Candles and Glycerine Works.
STIRCHLEY - - - -	-	Shell Factory.
BIRMINGHAM : Lodge Road	-	Metal Rolling Mills.
„ Eyre Street	-	Nail Works and Metal Rolling Mills.
DUBLIN : Inchicore - - -	-	Paper Mills.

KYNOCH LIMITED, BIRMINGHAM

IN presenting our Catalogue for 1905 we would call the attention of our customers to one or two important items:

KYNOCH LOADED CARTRIDGES.

The introduction by us of ready loaded cartridges of good quality has been greatly appreciated by our customers; the fact that they are "price maintained" has also greatly influenced their adoption by many of the leading houses in the trade.

We have been asked to supply a cartridge which, while not so expensive as the "Kynoid," shall yet command a higher price than the "Bonax." We are therefore introducing the "Primax." Full particulars of these cartridges, "Opex" (Patent), "Kynoid," "Primax" and "Bonax" will be found on pages 10 and 11.

(K.S.) POWDER.

The sales are once more increased, and we can confidently recommend it to all cartridge loaders.

KYNOCH BLACK POWDER.

We remind our customers of the excellence of these powders, and earnestly solicit their orders.

THE KYNOCH "WATERPROOF," "GROUSE," "PERFECTLY GASTIGHT," "GASTIGHT" & "C.B." CASES are universally recognised as most excellent cases, and we trust to be favoured with your orders.

TARGET RIFLE CARTRIDGES.

No new sizes have been added to the list, and the following remain most in favour: Kynoch .300 bore Target, .300 bore Sherwood, .310 Cadet (Greener), .32/20 W., .32/40 W., .25/20 Marlin. All excepting the .310 Cadet are loaded with the Kynoch Nickel-base Bullet.

THE KYNOCH BREECH ADAPTOR (Mullineux Patent)

The superiority of this system of short range practice with the .303 rifle over all other systems is clearly demonstrated by its great popularity and the numerous testimonials we have received from all parts of the country. The miniature cartridge will give excellent shooting up to 100 yards, and the device offers the great advantage of not altering the balance of the rifle. As will be seen from the illustration on page 40 we have brought out an improved design of Adaptor, which will be at the same time cheaper and more efficient.

EXPRESS RIFLE AMMUNITION.

We have for some time past been devoting very special attention to this branch of our business, and are now able to deliver from stock most of the

lines listed in our catalogue, all of which will give excellent results. Diagrams may be obtained with our high-power Cordite Cartridges equal to those made with the best target rifles.

Our Axite Cartridges, with the Kynoch Patent N.B. Bullet, will give results equivalent to those given by black powder and lead bullets, with considerably reduced pressure and recoil.

We would point out to buyers of Express Cordite or Axite Ammunition that the lighter bullets generally used with black powder, such as 270 grains in .450 bore, and 340 grains in the .500 bore, are less suitable with cordite than the heavier bullets, such as 365 and 440 grains respectively.

AXITE (Registered), or non-corrosive Cordite.

This is the most important change in Express Ammunition since the introduction of Cordite in 1894. Briefly, it is a non-corrosive and non-erosive Cordite. It gives lower pressure and higher velocities than Cordite; the effect of temperature on the pressure of Axite is only half that on Cordite, and the recoil is more comfortable and the accuracy of the shooting is improved. A booklet giving full particulars will be sent on application.

MATCH RIFLE CARTRIDGES.

The Kynoch .375/303 loaded with Axite attains a muzzle velocity of 2,500 feet with a pressure of only 18 tons.

THE KYNOCH NICKEL-BASE BULLET.

A very important feature of both of our Express and Short-range Target Rifle Ammunition is our patent N.B. Bullet. The splendid shooting now obtained with this class of ammunition is in a great measure due to the use of this bullet. We would warn our customers against imitations of this bullet made by other manufacturers, which, however, will not be found satisfactory.

“THE KYNOCH JOURNAL.”

The Journal is published by us four times a year, and contains articles, both of a technical and popular nature, on all matters relating to shooting in its various branches. Our object is to give information to sportsmen and the trade such as may be helpful to them in their pleasure or their business, and we feel sure our friends will find it well worth the subscription which we ask, 2s. per annum, post free.

KYNOCH RIM-FIRE CARTRIDGES.

Special attention is called to the Kynoch .22 Rim-fire Ammunition. Long and short, black and smokeless will be found to give most excellent results.

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NOTES ON HOME ORDERS

Ammunition Orders of a net value of £10 are sent Carriage Paid to any Railway Station in the United Kingdom.

Black Gunpowder Orders of 50/- invoice value, or 15-lbs. Smokeless, are sent Carriage Paid to any Railway Station in the United Kingdom.

Cartridges, Cartridge Cases and Percussion Caps cannot be sent by post.

Packing Cases of a value of 1/- and under not returnable. All other Cases will be credited in full, if returned promptly and in good condition. Special packing is charged extra.

NOTES ON EXPORT ORDERS

Special prices are quoted f.o.b., and all goods must be cleared at the Customs by the Shipper.

Non-Safety Cartridges, Gunpowders and Cordite can only be shipped in the river, and must be lightered to Gravesend at Shippers' expense.

This List cancels all previous Lists, and is subject to alterations without notice.

KYNOCH

New Loaded Cartridges

The convenience of buying reliable factory-loaded Cartridges is generally recognized by the trade, and Kynoch Limited now offer four qualities of specially loaded Cartridges :

The "OPEX"

The "KYNOID"

The "PRIMAX"

The "BONAX"

These Cartridges are only sold on condition that they are not retailed below certain specified net prices. This condition is printed on every invoice, and acceptance of the goods implies acceptance of the condition, which thus becomes a contract between our customer and ourselves.

The advantage of this to the retailer is so obvious that we may, we think, confidently appeal for their assistance in preventing any possible breach.

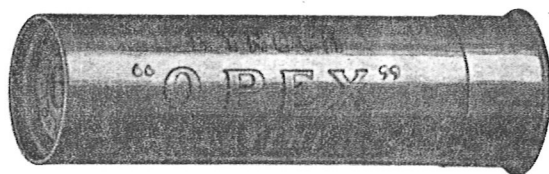
The Cartridges are attractively boxed ready for sale, thus saving the dealer all risk of waste.

Cases, caps, powder and wads are all made and guaranteed by Kynoch Limited.

KYNOCH LOADED SPORTING CARTRIDGES PATENT "OPEX"

PACKING: In Boxes of 500 or 100

This cartridge is absolutely waterproof. It has a continuous metal case with a paper lining; it is carefully loaded by the Kynoch Company with their own powder and wads, and is the best all round cartridge it is possible to obtain.



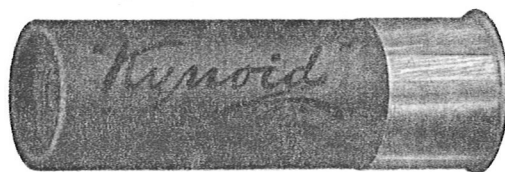
Supplied loaded only with (K.S.) powder and $1\frac{1}{16}$ -oz. of shot, or with the special 1-oz. load for driven birds.

Gauge	Length inches	Loaded Cartridges per 100		
		£	s.	d.
12	$2\frac{1}{2}$	0	14	0
16	$2\frac{1}{2}$	0	14	0
20	$2\frac{1}{2}$	0	14	0

"KYNOID" WATERPROOF

PACKING: In boxes of 500 or 100

The "Kynoid" is a waterproof paper cartridge; its shooting qualities are fully equal to those of the "Opex," and it is a first-rate cartridge for ejector guns or damp climates.



Supplied loaded only with (K.S.) powder and $1\frac{1}{16}$ -oz. of shot or with the special 1-oz. load for driven birds.

Gauge	Length inches	Loaded Cartridges per 100		
		£	s.	d.
12	$2\frac{1}{2}$	0	11	3
16	$2\frac{1}{2}$	0	11	3
20	$2\frac{1}{2}$	0	11	3

"Opex" & "Kynoid" cartridges are sold on the understanding that they are not sold or offered for sale below the following retail prices, "Opex" 11/6 per 100, "Kynoid" 9/6 per 100.

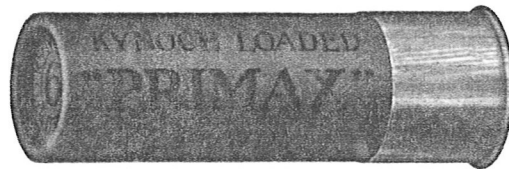
EXTRA: Chilled Shot, 3d. per 100.

KYNOCH LOADED SPORTING CARTRIDGES

“PRIMAX”

PACKING: In Boxes of 500, 100, or 25.

The “Primax” is a gastight cartridge, with an extra deep head which facilitates ejection.



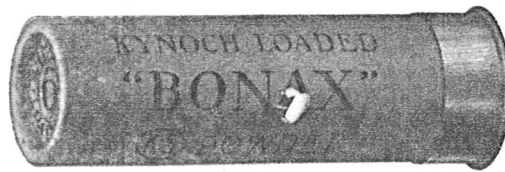
Supplied loaded only with (K.S.) powder and $1\frac{1}{16}$ -oz. of shot, or with the special 1-oz. load for driven birds.

Gauge	Length inches	Loaded Cartridges per 100		
		£	s.	d.
12	$2\frac{1}{2}$	0	10	0
16	$2\frac{1}{2}$	0	10	0
20	$2\frac{1}{2}$	0	10	0

“BONAX”

PACKING: In boxes of 500, 100, or 25.

The “Bonax” is a paper cartridge carefully loaded with (K.S.) powder. Kynoch Limited claim for it that it is the cheapest reliable cartridge manufactured.



Supplied loaded only with the standard charge of (K.S.) powder and $1\frac{1}{16}$ -oz. of shot.

Gauge	Length Inches	Loaded Cartridges per 100		
		£	s.	d.
10	$2\frac{5}{8}$	0	13	0
12	$2\frac{1}{2}$	0	8	6
16	$2\frac{1}{2}$	0	8	6
20	$2\frac{1}{2}$	0	8	6

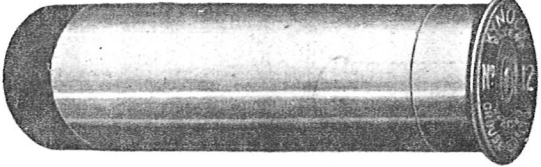
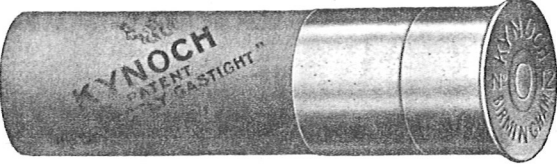
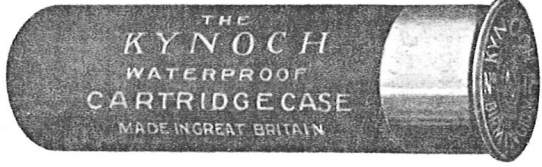
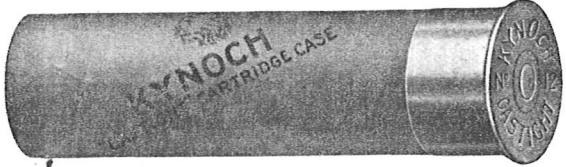
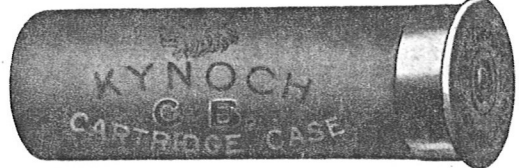
“Primax” & “Bonax” cartridges are sold on the understanding that they are not sold or offered for sale below the following retail prices, “Primax” 8/6 per 100, “Bonax” 7/- per 100.

EXTRA: Chilled Shot, 3d. per 100.

KYNOCH

Sporting Cartridge Cases & Loaded Cartridges

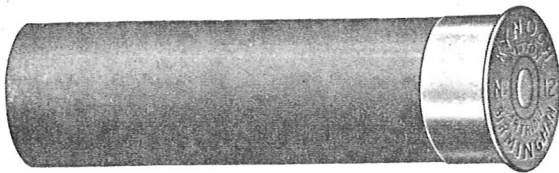
PACKING: In Boxes of 100. Standard loads.

The "GROUSE"		Gauge and Length	Cartridges per 100 K.S. Powder	Cartridges per 100 other Nitros	Cartridges per 100 K.S. Powder without Shot	Cartridges per 100 other Nitros without Shot	Empty Cartridge Cases per 1000
			£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
 COLOURS: Maroon, Dark Red.	12 × 2 $\frac{3}{8}$ in.	0 15 0	0 16 3	0 13 1	0 14 4	3 17 6	
	12 and 14 × 2 $\frac{1}{2}$ in.	0 13 0	0 14 6	0 11 4	0 12 6	3 7 6	
	16 × 2 $\frac{1}{2}$ in.	0 13 0	0 14 0	0 11 4	0 12 0	3 7 6	
	20 and 28 × 2 $\frac{1}{2}$ in.	0 13 0	0 13 6	0 11 4	0 11 6	3 7 6	
The "P.G."							
 COLOURS: Maroon, Dark Red, Green, Salmon.	4 × 4 in.	2 1 6	—	1 15 0	—	9 0 0	
	8 × 3 $\frac{1}{4}$ in.	1 1 9	1 3 9	0 18 9	1 1 0	4 15 0	
	10 × 2 $\frac{3}{8}$ in. to 3 in.	0 16 0	0 16 9	0 12 6	0 13 9	3 3 4	
	12 × 2 $\frac{3}{8}$ in.	0 12 9	—	0 10 10	—	2 15 0	
	12 and 14 × 2 $\frac{1}{2}$ in.	0 11 0	0 12 6	0 9 4	0 10 6	2 7 6	
	16 × 2 $\frac{1}{2}$ in.	0 11 0	0 12 0	0 9 4	0 10 0	2 7 6	
	20, 24, 28, 32 × 2 $\frac{1}{2}$ in.	0 11 0	0 11 6	0 9 4	0 9 6	2 7 6	
410 × 2 in.	0 6 4	0 6 10	0 5 9	0 6 3	1 14 2		
The "WATERPROOF"							
 COLOUR: Dark Maroon.	12 × 2 $\frac{3}{8}$ in.	See 'Kynoid'	0 14 9	—	0 12 9	3 2 6	
	12 × 2 $\frac{1}{2}$ in.		0 12 9	—	0 10 9	2 10 0	
	16 × 2 $\frac{1}{2}$ in.		0 12 3	—	0 10 3	2 10 0	
	20 × 2 $\frac{1}{2}$ in.		0 11 9	—	0 9 9	2 10 0	
The "GASTIGHT"							
 COLOURS: Dark Red, Green, Salmon.	12 × 2 $\frac{3}{8}$ in.	0 11 3	0 13 6	0 9 4	0 11 6	2 10 0	
	12 × 2 $\frac{1}{2}$ in.	0 10 0	0 12 0	0 8 10	0 10 0	2 2 6	
	16 × 2 $\frac{1}{2}$ in.	0 10 0	0 11 6	0 8 10	0 9 6	2 2 6	
	20 × 2 $\frac{1}{2}$ in.	0 10 0	0 11 0	0 8 10	0 9 0	2 2 6	
The "C.B."							
 COLOURS: Geranium. Salmon.	12 × 2 $\frac{1}{2}$ in.	0 9 4	0 10 6	0 7 10	0 9 0	1 14 2	
	16 × 2 $\frac{1}{2}$ in.	0 9 4	0 10 6	0 7 10	0 9 0	1 14 2	
	20 × 2 $\frac{1}{2}$ in.	0 9 4	0 10 3	0 7 10	0 8 9	1 14 2	

PIN FIRE CASES, GAS-TIGHT QUALITY, 12 Gauge £1 19 2, 16 Gauge £1 17 6

KYNOCH "WITTON" CARTRIDGES

Suitable for Rabbit Shooting, loaded with 3-drms. black and $1\frac{1}{16}$ -oz. of shot
 PACKING: Loaded Cartridges in boxes of 25, Empty Cases in boxes of 100
 COLOUR: Brown

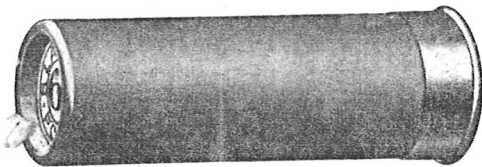


Gauge and Length	Loaded Cartridges per 100			Empty Cases per 1000		
	£	s.	d.	£	s.	d.
12 × 2½	0	7	6	1	9	2

The "WITTON"

"K.B." CARTRIDGES

Suitable for Bird Scaring, loaded with 3-drms. and $\frac{7}{8}$ -oz. of 10 shot.
 Ordinary Shooting, 3-drms. and 1-oz. 4, 5, 6 and 8 shot only.

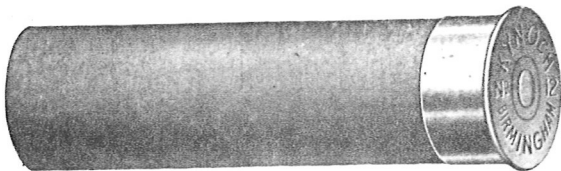


Gauge and Length	Loaded Cartridges per 100			Empty Cases not supplied
	£	s.	d.	
12 × 2½	0	6	9	

The "K.B."

"BROWN" CARTRIDGES

PACKING: Loaded Cartridges in boxes of 100 and 25, Empty Cases in boxes of 100
 Loaded with Black Powder only.



Gauge and Length	Loaded Cartridges per 100			Loaded Cartridges without shot			Empty Cases per 1000		
	£	s.	d.	£	s.	d.	£	s.	d.
10 × 2½	0	13	3	0	10	3	2	1	8
12, 14, 16 and 20	0	9	6	0	7	6	1	12	6

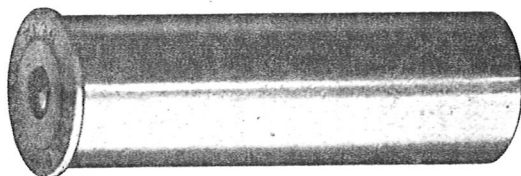
The "BROWN"

PIN FIRE CASES and Cartridges, Brown Quality, same price as Central Fire.

KYNOCH HEAVY SOLID DRAWN BRASS CASES

Capped with .254 Primer and Raised Solid Anvils.

PACKING: Loaded Cartridges in boxes of 100 or 25, Empty Cases in boxes of 25

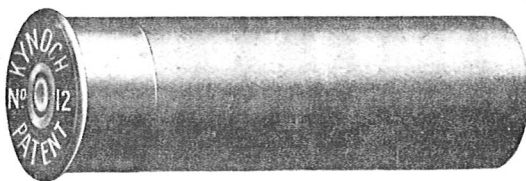


Gauge	Length	Loaded Cartridges K.S. or Black Powder per 100	Loaded Cartridges without Shot per 100	Empty Cases per 1000
		£ s. d.	£ s. d.	£ s. d.
	Inches			
4	4	2 17 3	2 12 0	16 0 0
8	3	1 13 6	1 10 0	9 10 0
10	2 $\frac{5}{8}$	1 5 4	1 2 0	7 5 0
12	2 $\frac{1}{2}$	1 0 0	0 17 9	6 5 0
16 & 20	2 $\frac{1}{2}$	0 17 9	0 15 6	5 5 0

PATENT "PERFECT" METALLIC

Thin Solid Drawn Brass Cases taking the same Cap and Anvil as Paper Sporting Cases.

PACKING: Loaded Cartridges in boxes of 100 or 25, Empty Cases in boxes of 100

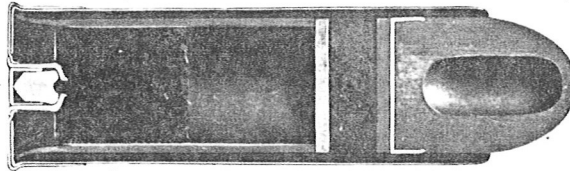


Gauge	Length	Loaded Cartridges K.S. or Black Powder per 100	Loaded Cartridges without Shot per 100	Empty Cases per 1000
		£ s. d.	£ s. d.	£ s. d.
	Inches			
4	4	2 8 3	2 2 6	14 5 0
8	3 $\frac{1}{4}$	1 8 0	1 5 0	7 12 6
10	2 $\frac{3}{8}$	0 18 4	0 15 6	5 0 0
12 & 14	2 $\frac{1}{2}$	0 14 9	0 12 6	3 17 6
16	2 $\frac{1}{2}$	0 13 9	0 11 6	3 10 0
20, 24, 28 & 32	2 $\frac{1}{2}$	0 13 6	0 11 3	3 10 0
.410	2	0 8 7	0 8 0	3 0 0

KYNOCH

BALL CARTRIDGES for Ball & Shot Guns

LOADED WITH CORDITE



Loaded only in Metal Covered Cases

Gauge	Length	Powder	Bullets	Price per 100
12	2½ in.	Cordite	Lead	1 1 0
12	2½ in.	Cordite	N.B.	1 3 0
12	2¾ in.	Cordite	N.B.	1 7 6

EXTRAS

Cartridges loaded with Chilled Shot - - - 3d. per 100
 " " B, or larger Shot - - - 9d. "

PIGEON LOADS :


In 2½ in. case, 45 grains, 1¼ oz. shot - - - 6d. per 100
 In 2¾ in. case, 46 grains to 49 grains - - - no extra charge
 Spherical Ball - - - - - 2s. 9d. per 100

KYNOCH

Wadding for Breech Loading Cartridges


THICK FELT, for use over powder

	In ½ lb. Boxes or Bags	In 5 lb. Bags	In 50 lb. Bags
	s. d.	s. d.	s. d.
No. 1, White, 1st Quality ...	3 8	3 6	3 5
No. 2, ,, 2nd ,, ...	3 2	3 0	2 11
No. 3, Brown	2 8	2 6	2 5
No. 4, ,, Paper-covered (combination) ...	2 8	2 6	2 5
No. 5, White, K.S.W. quality ...	2 8	2 6	2 5
No. 6, Hair Felt, White ...	—	—	2 4
No. 7, ,, Brown	—	—	1 11



GREASEPROOF WADS, for use between powder and felt wads

	In Boxes of 500	In Bags of 5,000	In Bags of 50,000
	s. d.	s. d.	s. d.
Greaseproof Card, 12 Gauge and smaller	1 0	0 11	0 10
,, ,, 10 ,, ,,	1 3	1 2	1 1
,, ,, 8 ,, ,,	1 6	1 5	1 4
,, ,, 4 ,, ,,	2 0	1 11	1 10
“Field” Card, 12 ,, ,,	1 0	0 11	0 10
,, Cloth, 12 ,, ,,	3 6	3 5	3 4




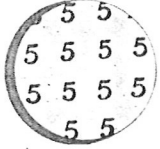
THIN CARD WADS, for use between felt wads and shot

	In Boxes of 500	In Bags of 5,000	In Bags of 50,000
	s. d.	s. d.	s. d.
12 Gauge and smaller	0 7	0 7	0 7
10 ,,	0 9	—	—
8 ,,	1 4	—	—
4 ,,	2 0	—	—

KYNOCH

Wadding for Breech Loading Cartridges, *Continued*

CLOTH and CARD WADS, for use over shot



	In Boxes of 250	In Bags of 5,000	In Bags of 50,000	
Best White Cloth, 12 Gauge & smaller				
" 10 " ...	3 6	3 5	3 4	
" 8 " ...	4 6	4 5	4 4	
" 4 " ...	5 6	5 5	5 4	
	7 6	7 5	7 4	
Grey Cloth, 12 Gauge & smaller ...	2 4	2 3	2 2	
" 10 " 	2 8	2 7	2 6	
" 8 " 	3 0	2 11	2 10	
" 4 " 	3 8	3 7	3 6	
	In Boxes of 500			
Thick White Card, 12 Gauge & smaller	1 0	0 11	0 10	
" 10 " ...	1 3	1 2	1 1	
" 8 " 	1 6	1 5	1 4	
" 4 " 	2 0	1 11	1 10	

PRINTED WADS, for use over shot

Printed with any name, and with any size of shot
In quantities of not less than 20,000

	In Bags of 5,000	In Bags of 50,000
Thick White Card, 12 Gauge	s. d. 1 9	s. d. 1 8
Thin Card " 	1 3	1 2

OVER SHOT CARD WADS, printed with the name of the powder.

12 Gauge, and any size of shot			In Boxes of 500	In Bags of 5,000	In Bags of 50,000
			s. d.	s. d.	s. d.
			1 8	1 7	1 6

WADDING FOR MUZZLE LOADING GUNS

	4 G.	5 & 6 G.	7 & 8 G.	9 & 10 G.	11 G. & less.
Best White Cloth, in 250 Boxes ...	s. d. 7 9	s. d. 6 9	s. d. 5 9	s. d. 4 9	s. d. 3 9
Grey Cloth, " " 	3 8	3 4	3 0	2 8	2 4
Indented Card " " 	2 10	2 6	2 2	1 10	1 6

KYNOCH Percussion Caps

MILITARY PERCUSSION CAPS

Quality	Price per 1000, in boxes of 250
Gold-lined Double Waterproof, Central-fire	£ s. d.
Best Silver-lined Waterproof, Central-fire	0 4 6
Medium do. do. do.	0 4 0
Light, Waterproof	0 3 0
Do. Foil-lined, 10 C.C., Plain Centre	0 2 6
Do. do. do., Pip Centre	0 2 9
Primers for Military and Express Cartridges	0 2 10
Chassépot Caps	0 4 0
Waterproof Pistol Caps for Colt's and other Revolvers	0 2 9
Waterproof Primers for 303 Magazine Rifle Cases	0 2 6
	0 4 0

In boxes of 100, 3d. per 1000 extra

PERCUSSION CAPS FOR SPORTING GUNS

Quality	Price per 1000, in boxes of 250
No. 1 Red, White, or Yellow Centre	£ s. d.
1. A. Double Waterproof, Central-fire	0 3 6
3. F.L. Best Foil-lined Waterproof	0 3 6
3. C. Foil-lined Waterproof	0 2 6
G.K. do. do.	0 2 0
4 F.L. do. do.	0 2 0
5. F.L. do. do.	0 1 11
No. 5. Anti-corrosive	0 1 10
Caps for Bernard's Duck Guns	0 1 6
3. F.C.L.	0 3 6
3. F.C.L., Large Size No. 60	0 2 0
	0 2 6

In boxes of 100, 3d. per 1000 extra

Table shewing sizes of Percussion Caps manufactured by Kynoch Limited, and the equivalent sizes of other makers

KYNOCH	...	43	44	46	48	49	50	52	54	56	57	58	59	60
JOYCE	...	42	—	29	23	—	24	15	25	18	21	26	22	16
ELEY	...	5	6	7	8	9	24	10	11	18	12	13	14	26

RE-CAPPING CAPS FOR B.L. CASES

Quality	Price per 1000, in boxes of 250
Central-Fire, Paper Cases	£ s. d.
Pin-Fire Cases	0 4 0
Solid Brass Cases	0 4 0
	0 4 0

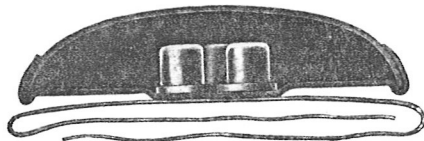
In boxes of 100, 3d. per 1000 extra

KYNOCH Sundries

	£	s.	d.
Anvils for Central-Fire, "Perfect" and Paper Cases (in boxes of 250) per 1000	0	2	6
Crimpers, New Patent, " 10 to 28 Gauge - - each	0	5	6
" " " 8 " - - "	0	11	0
" " " 4 " - - "	0	15	0
Re-capper and Extractor " 10 to 28 " - - "	0	4	6
" " " Old Style - - - "	0	4	0
Re-loading and Re-sizing Tools, for Military and Express Cases per set	2	0	0
Copper Tubes, for Express Bullets (in Boxes of 1000) - - per 1000	0	5	0
Shot Concentrators, 12 Gauge and smaller - - - "	0	3	3
Kynoch Witton Slugs - - - - per 1000, net	0	1	0
Kynoch Match Slugs - - - - " "	0	1	4
Punt Gun Cases, Paper - - - } prices on application			
" " Solid Brass - - - }			
Brass Pigeons :			
Professional - - - - per 100	0	12	0
Amateur - - - - "	0	13	0
Brass Balls :			
Large, 2½ in. dia. - - - - "	0	10	6
Small, 2 in. dia - - - - "	0	6	6
Clay Pigeons - - - - per 1000 net	1	5	0
Trap for throwing Brass Balls - - - - each	1	1	0
Trap for the "Brass" Pigeons - - - - "	3	3	0
Friction Tubes for Cannon :			
4 inches long, in tin boxes of 100 - - - - per 1000	10	10	0
3¼ " " " " - - - - "	10	0	0
1¾ " " " " - - - - "	9	0	0
Kynoch Sporting Novelties :			
The Grouse-Ejector Match Box - - - - per doz.	0	6	4
" "303 Lee-Metford Cartridge Pencil - - - - "	0	6	4
" " " Pocket Knife - - - - "	0	9	0
" " Mauser Cartridge Pencil - - - - "	0	6	4

KYNOCH RAILWAY ALARM & FOG SIGNALS

AS SUPPLIED to London and North Western, Great Western, Midland, Great Northern, Great Eastern, Lancashire and Yorkshire, Great Central, North British, London and South Western, London Chatham and Dover, and other British Railways; also many Foreign and Colonial Railways.



Reference : A.—Recess ensuring caps being centrally placed, to obviate premature explosion.



THREE SIZES.

Large, 2½-in. diameter	} Price on application.
Medium, 2-in. ,,	
Small, 1½-in. ,,	
Duplex	

Packed in paper cylinders of one dozen, and packets of six dozen.

KYNOCH BLACK SPORTING GUNPOWDERS



HOME TRADE PRICES

		Per 100 lbs.			Per 100 lbs.
Cannon or Signal Powder, loose	...	60/-	PUNT POWDER, loose	...	100/-
F	Loose	50/-	"	5 lb. canisters	105/-
F	1-lb. card boxes	60/-	"	1-lb. "	125/-
F	½-lb. "	75/-	"	½-lb. "	140/-
F	¼-lb. "	90/-	CARTRIDGE LOADING, mixed grain, loose	...	100/-
FF	Loose	55/-	"	5-lb. canisters	105/-
FF	1-lb. card boxes	65/-	ECLIPSE, Nos. 1 to 6, loose	...	120/-
FF	½ lb. "	80/-	"	5-lb. canisters	130/-
FF	¼-lb. "	95/-	"	1 lb. "	145/-
FFF	Loose	60/-	"	½-lb. "	160/-
FFF	1-lb card boxes	70/-	NONPARIEL, Nos. 1 to 6, loose	...	150/-
FFF	½-lb. "	85/-	"	5-lb. canisters	160/-
FFF	¼-lb. "	100/-	"	1-lb. "	175/-
TOWERPROOF (fine grain), loose	...	85/-	"	½-lb. "	190/-
"	1-lb. card boxes	95/-	ELECTRIC, Nos. 1 to 6, loose	...	175/-
"	½-lb. "	105/-	"	5-lb canisters	180/-
"	1-lb. canisters	110/-	"	1-lb. "	200/-
"	½-lb. "	125/-	"	½-lb. "	215/-

The above prices are net, subject only to the following Discount.

DISCOUNT :—10% for cash within one month, or 5% for journey account. After journey, strictly net.

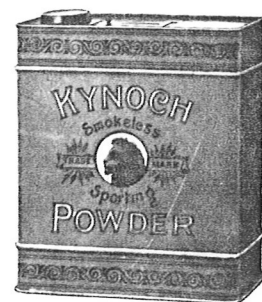
Export Trade Prices on application.

KYNOCH (K.S.) SMOKELESS SPORTING POWDER

A bulk Nitro Cellulose Powder.
Measure for measure with Black Gunpowder.

PRICES : In 5-lb. tins, 3/3 per lb. net.
In ½ or 1-lb. Tins, 3/5 per lb. net.

Returned Empty 5lb. tins are allowed for, at the rate of 3d. each.



KYNOCH

Central Fire Rifle & Revolver Cartridges

Pages 24 to 37 contain the prices and particulars of every Central-Fire Rifle and Revolver Cartridge we make, arranged in order of calibre.

On page 46 is an abridged list of Military Cartridges.

On page 47 is an abridged list of Express Cartridges.

On pages 48 and 49 is an abridged list of Winchester, Target, and Rook Rifle Cartridges.

On pages 49 to 51 is an abridged list of Revolver and Pistol Cartridges.

NOTE.

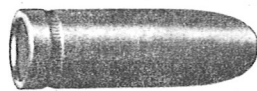
Light Axite or Light Cordite is the name given to Cartridges loaded with Axite or Cordite for use in Express Rifles built for Black Gunpowder. The velocity will be a little higher and the pressure less than with Black Powder.

WARNING.

All High Power Express Cartridges, Axite and Cordite, have Copper Caps, and Light Power Axite and Cordite and Black Powder Express Cartridges have Brass Caps. In addition each box of High Power Cartridges is prominently labelled to the effect that they must only be used in rifles built for Axite or Cordite.

SPORTING BULLETS.

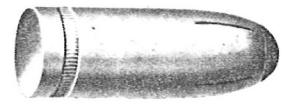
The great number of sporting bullets that have from time to time been brought out has resulted in a large variety being kept, differing only in small details, which have not sufficient effect on their expansion to warrant continued manufacture. We have made many trials this year, and have decided to make the following kinds only in future. For the greatest penetration we recommend the Solid Nickel (A); for fair penetration with fair expansion, Soft Nosed Express (B) (this bullet is also supplied split, C); for the greatest expansion, the Improved Capped (D).



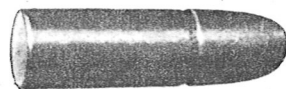
A
Solid Nickel.



B
Soft Nosed Express.



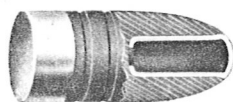
C
Soft Nosed Express Split.



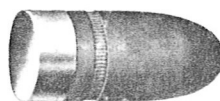
D—Improved Capped.



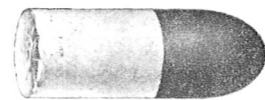
Section



E
Nickel Base, Copper Tube.



F
Nickel Base Solid.



G
Lead, paper patched.

KYNOCH

Central Fire Rifle & Revolver Cartridges—continued.

Except where otherwise stated, the following bullets are loaded in the different classes of cartridges :

High Power Express Cartridges—A, B, C and D.	
Light Power Express	„ E.
Black Powder Express	„ G.
Winchester Rifle	„ A, B and F.
Target Rifle	„ F.
Rook Rifle	„ Lead, Solid or Hollow Point.
Revolver and Pistol	„ Lead.
Automatic Pistol	„ A.

The Improved Capped Bullet is strongly recommended for all soft-skinned game.

POWDER.

Axite is strongly recommended. It is superior to Cordite. There is no corrosion, and the flame temperature is reduced and consequently the erosive effect on the barrel. The pressure is also much less and the velocity considerably higher. The effect of temperature on pressure is only half of that of ordinary Cordite, and this obviates the necessity of Tropical Cordite Cartridges.

PACKING.

All Rifle Cartridges are packed in a new pattern box clearly marked on side and end as to its contents.

DELIVERY.

The elimination of various kinds of Sporting Bullets has been done to avoid delays in delivery. All cartridges now listed may be obtained from stock.

EXTRAS.

Bullets :	Prices in the list are for Solid Lead, Kynoch N.B., and Solid Nickel Bullets.		
	Soft Nosed Express	5/-	per 1,000 extra.
	Soft Nosed Express Split	32/-	„ „
	Improved Capped	12/-	„ „
	Hollow Point, lead	5/-	„ „
Clips :	Cartridges in Clips	27/6	„ „
Shot :	Cartridges loaded with shot	15/-	„ „
Blank :	Cartridges loaded blank	5/-	per 1,000 less than ball

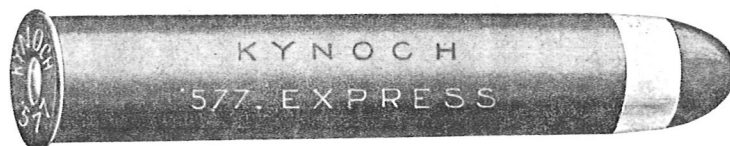
KYNOCH CENTRAL-FIRE RIFLE AND REVOLVER CARTRIDGES



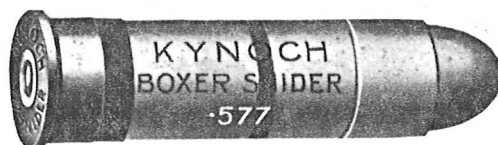
	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges			Cases			Bullets		
				£	s.	d.	£	s.	d.	£	s.	d.
CORDITE - - -	3	100	A & B 900	23	0	0	9	17	6	9	7	6
AXITE - - -	3	—	A & B 900	28	15	0	9	17	6	9	7	6



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges			Cases			Bullets		
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK - - -	2 $\frac{3}{4}$	167	560 or 650	12	18	4	6	6	8	3	2	6
LIGHT CORDITE - - -	2 $\frac{3}{4}$	65	560	14	5	10	6	6	8	3	2	6
LIGHT AXITE - - -	2 $\frac{3}{4}$	—	560	17	17	6	6	6	8	3	2	6



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges			Cases			Bullets		
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK - - -	2 $\frac{3}{4}$, 3, 3 $\frac{1}{4}$	160 or 167	560 or 650	11	5	0	5	6	8	2	17	6
LIGHT CORDITE - - -	2 $\frac{3}{4}$, 3, 3 $\frac{1}{4}$	65	560	12	12	6	5	6	8	3	2	6
LIGHT AXITE - - -	2 $\frac{3}{4}$, 3, 3 $\frac{1}{4}$	—	560	15	15	8	5	6	8	3	2	6
STANDARD AND TROPICAL CORDITE - - -	3, 3 $\frac{1}{4}$	100 or 90	750 or 650	18	0	0	7	15	0	5	5	0
STANDARD AXITE - - -	3, 3 $\frac{1}{4}$	—	750 or 650	22	10	0	7	15	0	5	5	0



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges			Cases			Bullets		
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK - - -	—	70	480	5	1	8	2	12	6	1	15	0

KYNOCH

Central-Fire Cartridges—continued

'577 SOLID BRASS SNIDER

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000		Bullets
				Cartridges	Cases	
				£ s. d.	£ s. d.	£ s. d.
BLACK	—	70	480	6 6 8	3 13 4	1 15 0

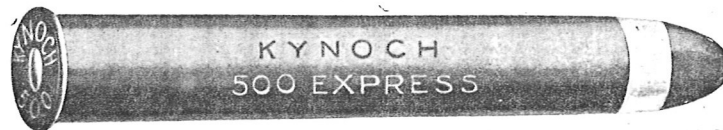
'577 PAPER SNIDER

BLACK	—	70	480	5 1 8	2 12 6	1 15 0
BLANK	—	50	—	2 12 6	2 12 6	—



'577/500

BLACK	3 1/8	160	440	12 0 0	5 10 0	2 9 2
LIGHT CORDITE	3 1/8	60	440	13 7 6	5 10 0	2 9 2
LIGHT AXITE	3 1/8	—	440	16 14 6	5 10 0	2 9 2



'500

BLACK	3 or 3 1/4	136 or 142	340	10 0 0	5 0 0	2 0 0
LIGHT CORDITE	3 or 3 1/4		440	11 0 0	5 0 0	2 9 2
LIGHT AXITE	3 or 3 1/4	55	440	11 17 6	5 0 0	2 9 2
STANDARD AND TROPICAL CORDITE	3 or 3 1/4	—	440	14 17 0	5 0 0	2 9 2
STANDARD AXITE		80 or 75	570 or 480	14 8 4	7 0 0	4 5 0
	3 or 3 1/4	—	570 or 480	18 0 0	7 0 0	4 5 0

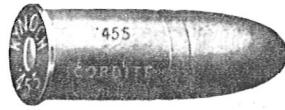


'500, No. 2 EXPRESS

BLACK	2 13/16	130	340	10 0 0	5 0 0	2 0 0
LIGHT CORDITE	2 13/16	53	440	11 17 6	5 0 0	2 9 2
LIGHT AXITE	2 13/16	—	440	14 17 0	5 0 0	2 9 2

KYNOCH

Central Fire Cartridges—continued



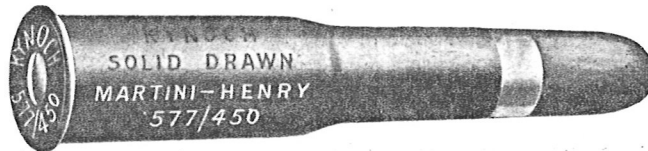
.455 REVOLVER

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges			Cases			Bullets		
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	- - -	18	265	3	15	0	2	1	8	1	5	10
CORDITE	- - -	6½	265	4	0	0	2	1	8	1	5	10
AXITE	- - -	-	265	5	0	0	2	1	8	1	5	10



.450, No. 2 NITRO

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
CORDITE	- - - 3½	80	480	16	0	0	7	15	0	4	5	0
AXITE	- - - 3½	-	480	20	0	0	7	15	0	4	5	0



.577/450 M.H. SOLID DRAWN CASE

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	- - -	85	480	8	13	4	4	13	4	2	0	0
LIGHT CORDITE	- - -	44	480 lead	10	0	0	-	-	-	-	-	-
LIGHT AXITE	- - -	-	480 „	12	10	0	-	-	-	-	-	-



.577/450 BOXER M.H.

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	- - -	85	480	6	17	6	3	9	2	2	0	0

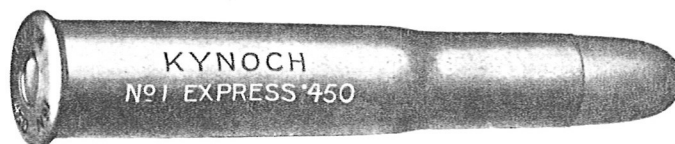


.500/450

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	- - - 3¼	140	365	11	10	0	5	5	0	2	3	4
LIGHT CORDITE	- - - 3¼	52	365	12	10	0	5	5	0	2	8	4
LIGHT AXITE	- - - 3¼	-	365	15	12	6	5	5	0	2	8	4
STANDARD AND TROPICAL CORDITE	- - - 3¼	70	480 & 420	14	8	4	7	10	0	4	5	0
STANDARD AXITE	- - - 3¼	-	480 & 420	18	0	0	7	10	0	4	5	0

KYNOCH

Central Fire Cartridges—continued



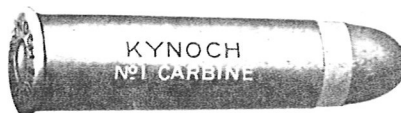
	Length of Case Inches	.450 No. 1 EXPRESS		PRICE PER 1,000		
		Powder Grains	Bullet Grains	Cartridges	Cases	Bullets
				£ s. d.	£ s. d.	£ s. d.
BLACK	—	110	270	9 5 0	4 13 4	1 17 6
LIGHT CORDITE	—	42	365	10 15 0	4 13 4	2 8 4
LIGHT AXITE	—	—	365	13 8 9	4 13 4	2 8 4



				.450, No. 1 MUSKET		
				£ s. d.	£ s. d.	£ s. d.
BLACK	—	76	480	7 15 0	4 7 6	2 0 0



				.450, No. 2 MUSKET		
				£ s. d.	£ s. d.	£ s. d.
BLACK	—	65	400	7 15 0	4 7 6	2 0 0
"	—	70	450	7 15 0	4 7 6	2 0 0
"	2 ⁵ / ₁₆	76	480	7 15 0	4 7 6	2 0 0



				.450, No. 1 CARBINE		
				£ s. d.	£ s. d.	£ s. d.
BLACK	—	55	380	6 14 2	3 11 8	1 15 0

.450 PEABODY MARTINI (Turkish Government)

BLACK	—	85	480	8 7 6	4 8 4	2 0 0
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(1868 Model)

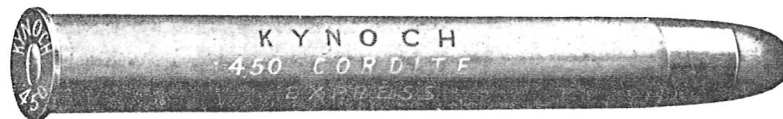
BLACK	—	60	400	5 15 6	3 8 9	1 14 10
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.450 GATLING MARTINI (Roumanian Government)

BLACK	—	85	480	6 17 6	3 14 3	2 0 0
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KYNOCH

Central Fire Cartridges—continued



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	3¼	110	270	9	12	6	4	13	4	1	17	6
(For sealing purposes load is 120 grains powder and 270 grain copper tube bullet)												
BLACK	3¼	120	365	9	17	6	4	13	4	2	3	4
LIGHT CORDITE	3¼	45	365	10	17	6	4	13	4	2	8	4
LIGHT AXITE	3¼	—	365	13	12	0	4	13	4	2	8	4
STANDARD AND TROPICAL CORDITE	3¼	70	420 or 480	13	15	0	6	17	6	4	5	0
STANDARD AXITE		—	420 or 480	17	3	9	6	17	6	4	5	0



.450 REVOLVER

				PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	13	225	2	17	6	1	13	4	0	17	6
CORDITE	—	5	225	3	2	6	1	13	4	0	17	6
AXITE	—	—	225	3	18	2	1	13	4	0	17	6



.44 WINCHESTER, COLT'S, MARLIN

				PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	40	200	3	9	2	2	8	10	1	3	4



.44 S. & W. REVOLVER

				PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	19	220	3	0	0	1	15	10	0	17	6
CORDITE	—	6	220	3	5	0	1	15	10	0	17	6
AXITE	—	—	220	4	1	3	1	15	10	0	17	6

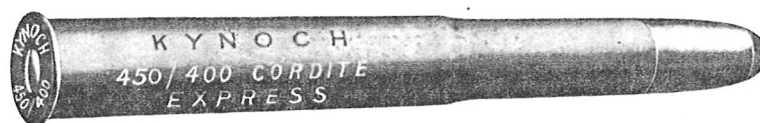
.44 S. & W. REVOLVER (Russian Model)

				PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	21	255	3	0	0	1	15	10	0	17	6
CORDITE	—	6½	255	3	5	0	1	15	10	0	17	6
AXITE	—	—	255	4	1	3	1	15	10	0	17	6

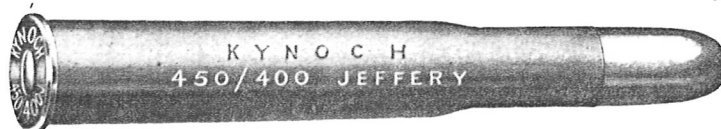
KYNOCH

Central Fire Cartridges—continued.

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000		
				Cartridges £ s. d.	Cases £ s. d.	Bullets £ s. d.
*433 GERMAN MAUSER (11 m/m)						
BLACK	—	77	380	6 3 9	3 8 9	1 14 10
*433 GRAS						
BLACK	—	81	386	6 3 9	3 8 9	1 14 10
*433 REMINGTON (SPANISH)						
BLACK	—	78	388	6 3 9	3 8 9	1 14 10
*433 REMINGTON (EGYPTIAN)						
BLACK	—	75	420	6 3 9	3 8 9	1 14 10
*433 MURATA (JAPANESE)						
BLACK	—	80	415	7 3 0	3 19 9	2 0 0
*420 BERDAN (RUSSIAN)						
BLACK	—	74	385	6 3 9	3 8 9	1 14 10



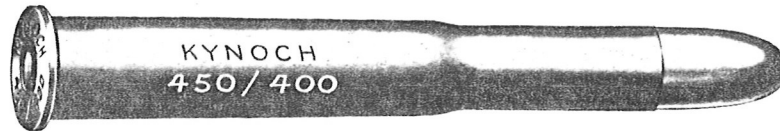
*450/400						
BLACK	3¼	110	270	9 10 0	5 0 0	1 17 6
LIGHT CORDITE	3¼	40	270	10 17 6	5 0 0	2 2 6
LIGHT AXITE	3¼	—	270	13 12 0	5 0 0	2 2 6
STANDARD AND TROPICAL CORDITE	3¼	60	400	13 0 0	6 10 0	4 5 0
STANDARD AXITE	3¼	—	400	16 5 0	6 10 0	4 5 0



*450/400						
Adapted to Jeffery, Westley Richards, and other rifles.						
STANDARD AND TROPICAL CORDITE	3	60	400	13 0 0	6 10 0	4 5 0
AXITE	3	—	400	16 5 0	6 10 0	4 5 0

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Central Fire Cartridges—continued



.450/400

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	2 3/4	80	270	8	2	6	4	8	4	1	17	6
LIGHT CORDITE	2 3/4	32	270	9	10	0	4	8	4	2	2	6
LIGHT AXITE	2 3/4	—	270	11	17	6	4	8	4	2	2	6



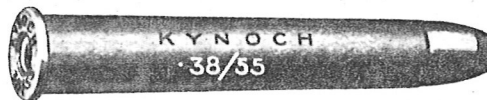
.380 LONG ROOK RIFLE

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	12	124	2	17	6	1	10	10	0	11	8
AXITE	—	—	124	3	0	0	1	10	10	0	11	8



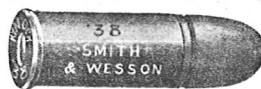
.380 REVOLVER

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	10	124	2	12	6	1	10	10	0	11	8
CORDITE OR AXITE	—	—	124	2	15	0	1	10	10	0	11	8



.38/55 WINCHESTER

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	48	255	5	15	6	3	0	0	1	9	2
AXITE	—	—	A & B 255	7	10	0	3	0	0	2	12	6
AXITE	—	—	F 255	6	5	0	3	0	0	1	11	8



.38 S. & W. REVOLVER

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	10	145	2	12	6	1	10	10	0	11	8
CORDITE OR AXITE	—	—	145	2	15	0	1	10	10	0	11	8

KYNOCH

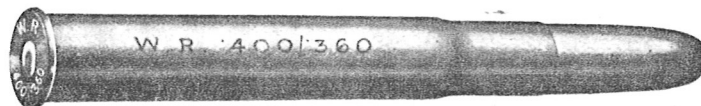
Central Fire Cartridges—continued



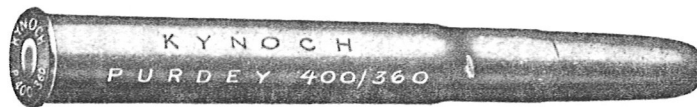
	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
STANDARD AND TROPICAL CORDITE } AXITE - - - - -	2½ 2½	40 —	270 270	9	12	6	4	5	0	3	15	0



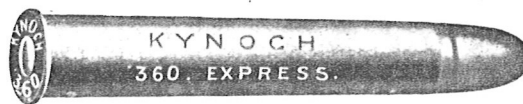
.360, No. 2 NITRO												
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
CORDITE - - - - -	3	55	320	12	0	0	6	10	0	3	17	6
AXITE - - - - -	3	—	320	15	0	0	6	10	0	3	17	6



.400/360 Adapted to Westley Richards and other rifles of this calibre												
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
STANDARD AND TROPICAL CORDITE } AXITE - - - - -	2¾ 2¾	41 —	314 314	11	13	4	5	5	0	3	17	6



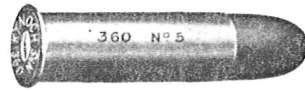
.400/360 Adapted to Purdey and other rifles of this calibre.												
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
STANDARD AND TROPICAL CORDITE } AXITE - - - - -	2¾ 2¾	40 —	300 300	11	13	4	5	5	0	3	17	6



.360												
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK - - - - -	2½	50	190	5	15	6	2	17	6	1	9	2
LIGHT CORDITE - - - - -	2½	22	200	7	10	0	2	17	6	1	14	2
LIGHT AXITE - - - - -	2½	—	200	9	7	6	2	17	6	1	14	2
STANDARD AND TROPICAL CORDITE } AXITE - - - - -	2½ 2½	30 —	300 300	9	12	6	4	0	0	3	17	6

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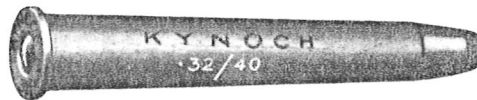
Central-Fire Cartridges—continued



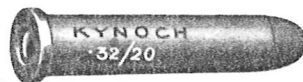
	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	14	134	3	2	6	1	11	8	0	15	0
CORDITE	—	—	134	3	5	0	1	11	8	0	18	0
AXITE	—	—	134	4	1	3	1	11	8	0	18	0



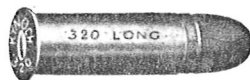
	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
AXITE	—	—	A & B 170	7	5	0	3	11	8	2	12	6



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	40	185	5	7	6	3	0	10	1	3	4
AXITE	—	—	A & B 185	7	2	6	3	0	10	1	5	10
"	—	—	F	5	17	6	3	0	10	1	5	10



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	20	115	2	17	6	1	11	8	0	15	0
AXITE	—	—	F 115	3	2	6	1	11	8	0	17	6



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	8	80	2	6	8	1	7	6	0	8	10
CORDITE OR AXITE	—	—	80	2	9	2	1	7	6	0	8	10



	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	6	80	2	0	10	1	7	6	0	8	10
CORDITE OR AXITE	—	—	80	2	3	4	1	7	6	0	8	10

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Central-Fire Cartridges—continued



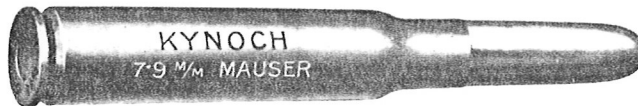
.32 S. & W. REVOLVER

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
BLACK	—	6	85	2	0	10	1	7	6	0	8	10
CORDITE OR AXITE	—	—	85	2	3	4	1	7	6	0	8	10



8 m/m MANNLICHER Austrian Government Model

CORDITE	—	34	245	8	7	6	3	11	8	3	3	4
AXITE	—	—	245	10	10	0	3	11	8	3	3	4



7.9 m/m MAUSER German Government Model

CORDITE	—	34	227	8	7	6	3	11	8	3	3	4
AXITE	—	—	227	10	10	0	3	11	8	3	3	4



.310 CADET

CORDITE	—	5½	120	2	15	0	1	10	0	0	15	0
AXITE	—	—	120	3	0	0	1	10	0	0	15	0

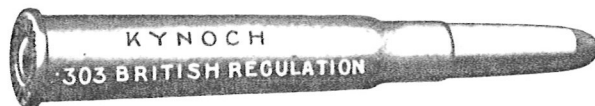


.375/303

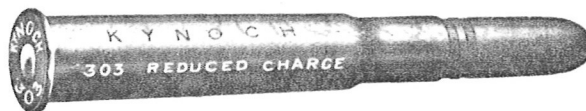
AXITE	—	—	215	12	0	0	5	5	0	3	3	4
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KYNOCH

Central Fire Cartridges—continued



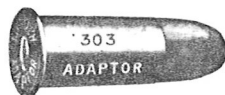
		.303 BRITISH			PRICE PER 1,000		
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges	Cases	Bullets	
				£ s. d.	£ s. d.	£ s. d.	
CORDITE	—	30	215	8 7 6	3 11 8	3 3 4	
AXITE	—	—	215	8 7 6	3 11 8	3 3 4	



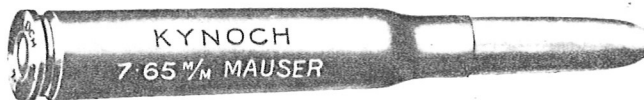
		.303 REDUCED CHARGE			PRICE PER 1,000		
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges	Cases	Bullets	
				£ s. d.	£ s. d.	£ s. d.	
CORDITE	—	16	180	5 0 0	3 11 8	1 11 8	
AXITE	—	—	180	6 5 0	3 11 8	1 11 8	



		.303 SAVAGE			PRICE PER 1,000		
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges	Cases	Bullets	
				£ s. d.	£ s. d.	£ s. d.	
AXITE	2	—	A & B 180	7 5 0	3 11 8	2 12 6	



		.303 ADAPTOR			PRICE PER 1,000		
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges	Cases	Bullets	
				£ s. d.	£ s. d.	£ s. d.	
CORDITE	—	2½	90	2 10 0	1 10 0	0 11 6	
AXITE	—	—	90	3 2 6	1 10 0	0 11 6	



		7.65 m/m MAUSER			PRICE PER 1,000		
	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges	Cases	Bullets	
				£ s. d.	£ s. d.	£ s. d.	
CORDITE	—	32	219	8 7 6	3 11 8	3 3 4	
AXITE	—	—	219	10 10 0	3 11 8	3 3 4	

KYNOCH

Central Fire Cartridges—continued



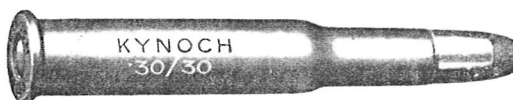
7.65 m/m BROWNING PISTOL

	Length of Case Inches	Powder Grains	Bullet Grains	Cartridges	PRICE PER 1,000	
					Cases	Bullets
				£ s. d.	£ s. d.	£ s. d.
CORDITE	---	3	72	4 0 0	---	---
AXITE	---	---	72	5 0 0	---	---



.30/220 U.S.A.

AXITE	---	---	220	8 7 6	3 11 8	3 3 4
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.30/30

AXITE	---	---	A & B 170	7 5 0	3 11 8	2 12 6
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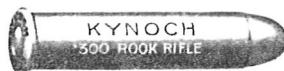
.300 SHERWOOD

CORDITE	---	7	140	3 2 6	1 11 8	1 2 6
AXITE	---	---	140	3 2 6	1 11 8	1 2 6



.300 TARGET

CORDITE	---	5½	110	3 2 6	1 11 8	1 0 0
AXITE	---	---	110	3 2 6	1 11 8	1 0 0



.300 ROOK RIFLE

BLACK	---	10	80	2 17 6	1 9 2	0 15 0
CORDITE OR AXITE	---	---	80	3 0 0	1 9 2	0 15 0

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Central-Fire Cartridges—continued



.30 BORCHARDT PISTOL

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000			
				Cartridges £ s. d.	Cases £ s. d.	Bullets £ s. d.	
CORDITE - - - -	—	8	85	4 0 0	solid	—	
" - - - -	—	8	85	4 5 0	soft nose	—	
AXITE - - - -	—	—	85	5 0 0	solid	—	
" - - - -	—	—	85	5 5 0	soft nose	—	



.297 REVOLVER

BLACK - - - -	—	5	70	2 0 10	1 7 6	0 8 10
CORDITE OR AXITE - - - -	—	—	70	2 3 4	1 7 6	0 8 10



7 m/m MAUSER

Spanish, Brazilian, Chilian, Mexican and Uruguay Government Model

CORDITE - - - -	—	31	178	8 7 6	3 11 8	3 3 4
AXITE - - - -	—	—	178	10 10 0	3 11 8	3 3 4



6.5 m/m (.256) MANNLICHER

Roumanian and Dutch Government Model

CORDITE - - - -	—	31	160	8 7 6	3 11 8	3 3 4
AXITE - - - -	—	—	160	10 10 0	3 11 8	3 3 4

6.5 m/m (.256) MANNLICHER SHORT RANGE

CORDITE - - - -	—	15	140	5 0 0	3 11 8	1 11 8
AXITE - - - -	—	—	140	6 5 0	3 11 8	1 11 8

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Central-Fire Cartridges—continued



6.5 m/m KRAG JORGENSEN

	Length of Case Inches	Powder Grains	Bullet Grains	PRICE PER 1,000								
				Cartridges		Cases		Bullets				
				£	s.	d.	£	s.	d.	£	s.	d.
CORDITE	---	31	160	8	7	6	3	11	8	3	3	4
AXITE	---	---	160	10	10	0	---	---	---	---	---	---



.25/20 MARLIN

BLACK	---	20	86	2	17	6	1	11	8	0	15	0
AXITE	---	---	86	3	2	6	1	11	8	0	15	0



K .255

BLACK	---	---	66	2	12	6	1	7	6	0	15	0
CORDITE OR AXITE	---	---	66	2	15	0	1	7	6	0	15	0



.297/250

BLACK	---	7	56	2	6	8	1	5	10	0	11	8
CORDITE OR AXITE	---	---	56	2	9	2	1	5	10	0	11	8



.297/230 LONG

BLACK	---	5	37	1	16	8	1	5	10	0	5	10
AXITE	---	---	37	1	19	2	1	5	10	0	5	0



.297/230 SHORT

BLACK	---	3	37	1	14	2	1	3	4	0	5	10
AXITE	---	---	37	1	16	8	1	3	4	0	5	10

KYNOCH PIN-FIRE CARTRIDGES



12 m/m.



9 m/m.



7 m/m.



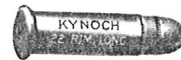
5 m/m.

Cartridges	Grains	Bullet	Cartridges			Cases			Bullets		
			£	s.	d.	£	s.	d.	£	s.	d.
15 m/m Copper for Carbines, Black ...	28	450	4	13	4	2	6	8	1	8	4
15 m/m Copper for Lefaucheu Revolvers, Black	21	450	4	13	4	2	6	8	1	8	4
12 m/m Copper for Lefaucheu Revolvers, Black	11	200	2	6	8	1	9	2	0	17	6
9 m/m Copper for Lefaucheu Revolvers, Black	8	124	1	19	2	1	0	8	0	11	8
7 m/m Copper for Lefaucheu Revolvers, Black	5½	63	1	10	0	0	18	4	0	7	6
5 m/m Copper for Lefaucheu Revolvers, Black	3	18	1	10	0	0	18	4	0	4	2

KYNOCH RIM-FIRE CARTRIDGES



.22 short












.22 long

Cartridges	Grains	Bullet	Cartridges			Cases			Bullets		
			£	s.	d.	£	s.	d.	£	s.	d.
.442 Copper Revolver, Black ...	14	220	2	10	0				0	15	0
.440 Copper Revolver, Black ...	14	220	2	10	0				0	15	0
.410 Copper Revolver, Black ...	8	140	2	5	0				0	10	0
.380 Copper Rifle, Black ...	14	124	2	10	0				0	10	0
.380 Copper Revolver, Black ...	11	124	2	5	0				0	10	0
.340 Copper Revolver, Black ...	8	85	2	0	0				0	7	6
.320 Copper Rifle, Black ...	11	80	2	0	0				0	7	6
.320 Copper Revolver, Black ...	8	80	1	15	0				0	7	6
.297 Copper Revolver, Black ...	6	70	1	10	0				0	5	0
.22 Long, Black ...	4	30	0	15	0				0	3	6
.22 Long, Smokeless ...											
.22 Short, Black ...	3	30	0	12	6				0	3	6
.22 Short, Smokeless ...											

KYNOCH

Bulleted Breech Caps & Saloon Shot Cartridges

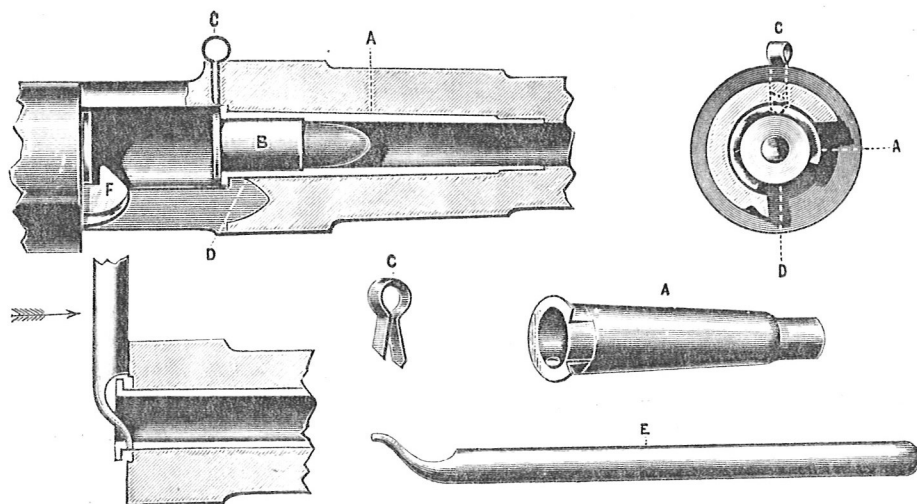
	Grains	Bullet	Cartridges £ s. d.	Cases £ s. d.	Bullets £ s. d.	Blanks £ s. d.
 No. 3 B.B.			1 1 0	0 12 0	0 5 0	0 17 6
Conical Bullet			1 5 0			
 No. 3 Shot			1 7 6			
 No. 3 Shot Long			1 15 0			
 No. 2 B.B.			0 15 0	0 8 6	0 2 6	0 12 6
 No. 2 Shot			1 2 6			
 No. 2 Shot Long			1 7 6			
 No. 1 B.B.			0 9 0	0 5 6	0 1 6	0 8 0
Conical Bullet			0 11 6			
No. 1 Gallery			0 6 8			
Conical Bullet			0 8 0			
 No. 1 Shot			0 15 0			
 No. 1 Shot Long			0 18 6			

KYNOCH LIMITED (SOLE LICENSEES)

BREECH ADAPTOR

(MULLINEUX PATENT)

For the .303 British Service Rifle



Place the Adaptor (A) in the chamber of the rifle so that the gap (D) in its base coincides with the recess provided in the chamber for the extractor (F), insert the retaining spring (C) in the vent hole on the left of the body of the rifle, and the Adaptor will be held in position ready for use. Load, fire and extract as with the regulation cartridge.

On completing the practice, take out the retaining spring (C), insert the small end of the extractor (E) in the small hole at the base of the Adaptor and press the extractor forward in the direction shown by the arrow, when the Adaptor will start from the chamber and may be withdrawn.

It is essential that the rifle chamber be thoroughly cleaned before and after using the Adaptor. The Adaptor should also be cleaned and oiled after use.

PRICES: ADAPTORS, 4/6 each.

CARTRIDGES, 50/- per 1000.

KYNOCH LIMITED

Ballistics of Club and Target-Rifle Cartridges

Cartridge	Weight of Bullet Grains	Muzzle Velocity Feet per Second	Striking Velocity Feet per Second			Time of Flight Seconds			Height of Trajectory at Half Range Inches			Deflection due to 20-mile side-wind Inches		
			100 yds.	200 yds.	300 yds.	100 yds.	200 yds.	300 yds.	100 yds.	200 yds.	300 yds.	100 yds.	200 yds.	300 yds.
			.310 Cadet ...	120 Lead	1320	1103	979	890	.250	.541	.864	3.25	16.25	43.0
.32/20 Winchester	115 N.B.	1350	1121	987	895	.245	.533	.854	3.17	15.88	41.8	2.2	9.8	24.0
.300 Target	110 N.B.	1350	1125	991	901	.246	.532	.848	3.17	15.80	41.1	2.5	11.0	27.0
.25/20 Marlin	85 N.B.	1450	1214	1047	953	.227	.518	.794	2.70	13.70	36.4	2.5	10.5	25.5
.300 W. R. Sherwood	140 N.B.	1450	1245	1088	992	.224	.482	.772	2.57	12.77	33.7	1.8	8.3	20.7
.32/40 Winchester	185 N.B.	1440	1265	1125	1025	.223	.474	.756	2.44	12.14	32.2	1.8	7.7	18.9

Velocities of Rook-Rifle Cartridges

Cartridge	Weight of Bullet	Velocity	
		Cordite	Black Powder
.297/230 Short	37 grains Lead	—	800 ft. per second
.297/230 Long	37 " "	—	1220 " " "
.297/250	56 " "	1150 ft. per second	1100 " " "
K .255	66 " "	1200 " " "	1100 " " "
.25/20 Marlin	65 " N.B.	1400 " " "	—
.300 Bore	80 " Lead	1150 " " "	1100 ft. per second
.320 Long	80 " "	—	1000 " " "
.360 No. 5	134 " "	—	1000 " " "
.380 Long	124 " "	—	1000 " " "

Pressure, Velocity and Energy of Black Powder Express Cartridges

Cartridge	Charge		Pressure	Muzzle Velocity	Muzzle Energy	100 yards	
	Powder	Bullet				Velocity	Energy
.577 Bore	167 Grs.	560 Grs.	11 Tons	1700 feet	3589 ft.-lbs.	1470 feet	2684 ft.-lbs.
.500 " ...	136 " "	340 " "	11 " "	1840 " "	2554 " "	1539 " "	1786 " "
.450 " ...	120 " "	270 " "	11 " "	1900 " "	2162 " "	1588 " "	1510 " "
.450 " ...	120 " "	365 " "	11½ " "	1700 " "	2340 " "	1484 " "	1783 " "
.500/450 Bore	140 " "	365 " "	11½ " "	1800 " "	2624 " "	1575 " "	2008 " "
.450/400 " ...	110 " "	270 " "	11½ " "	1750 " "	1834 " "	1513 " "	1371 " "
.360 " ...	50 " "	190 " "	11 " "	1525 " "	984 " "	1289 " "	700 " "

KYNOCH LIMITED

Maximum Sizes of Express Cartridges

Cartridge				Head Diameter	Under Head	Thickness of Head	Mouth
.577	3 in.	...	...	.750 in.	.662 in.	.050 in.	.605 in.
.500	3 in.	...	...	.655 "	.574 "	.040 "	.532 "
.500/450	3½ in.	...	...	.655 "	.574 "	.040 "	.481 "
.450	3½ in.	...	...	.624 "	.545 "	.042 "	.480 "
.450/400	3½ in.	...	...	.624 "	.545 "	.042 "	.435 "
.400 Jeffery,	3 in.	...	...	.625 "	.548 "	.065 "	.440 "
.375	2½ in.	...	...	.540 "	.460 "	.064 "	.401 "
W.R. 400/360	2¾ in.	...	...	.540 "	.471 "	.064 "	.386 "
Rigby .350	2¾ in.	...	...	.530 "	.470 "	.046 "	.382 "
.360 Straight,	2¾ in.	...	...	.485 "	.430 "	.046 "	.386 "

The above dimensions have been fixed after consultation with the leading Gun-makers of Great Britain

Ballistics of Cordite Express Cartridges

In 28 in. Barrels, with Close-fitting Chambers at temperatures between 60° and 70° F.

Cartridge	Charge		Velocity			Energy			Height of Trajectory at Half-range in Inches	
	Cordite	Weight of Bullet	Feet per Second			Foot-Pounds			Over 100 yds.	Over 200 yds.
			Muzzle	100 yds.	200 yds.	Muzzle	100 yds.	200 yds.		
.600, 3 inch	100	900	1850	1635	1439	6831	5337	4134	1'53	7'3
.577, 3 "	100	750	2050	1848	1653	6990	5680	4600	1'2	5'6
" 3 "	90	650	1950	1730	1527	5483	4310	3363	1'4	6'5
.500, 3 "	80	570	2100	1893	1705	5577	4532	3676	1'15	5'4
" 3 "	75	480	2050	1813	1598	4475	3500	2719	1'24	6'0
.500/450	70	480	2050	1858	1680	4475	3676	3005	1'18	5'6
.450	70	480	2150	1944	1761	4922	4024	3300	1'08	5'1
"	70	420	2125	1895	1690	4207	3346	2660	1'14	5'4
.450/400	60	400	2150	1953	1777	4100	3385	2804	1'07	5'0
"	60	365	2100	1891	1703	3570	2900	2362	1'15	5'4
Jeffery 400	60	400	2050	1865	1695	3732	3089	2552	1'18	5'5
.375	40	270	2000	1778	1575	2396	1893	1486	1'30	6'2
"	40	320	1900	1718	1550	2562	2095	1705	1'43	6'5
.400/360 W.R.	41	314	1875	1707	1550	2450	2030	1673	1'44	6'5
Rigby .350	43	310	2000	1823	1658	2787	2315	1915	1'26	5'8
.360, Straight	30	300	1650	1484	1333	1812	1466	1182	1'84	8'8
.303	31	215	2000	1831	1673	1920	1609	1343	1'24	5'66
.256	31	160	2395	2182	1997	2094	1702	1424	.88	3'99

“AXITE”

(Sole Makers KYNOCH LIMITED)

The advantages we claim for “Axite” are : -

(1) That it does not corrode the barrel in the same way as Cordite does. A rifle may be left after firing “Axite” for 24 hours and when wiped out with a Government “pull through” it will be found to be absolutely uninjured.

(2) That with equal pressure it gives greatly increased velocity, and therefore flatter trajectory.

Experiments show the following average results:—

·375/303 “Axite” cartridges with 200 grain bullet: velocity 2,700 F.S., pressure 21 tons.

·375/303 “Axite” cartridges with 215 grain bullet: velocity 2,500 F.S., pressure 18 tons.

·303 “Axite” Service cartridges: velocity 2,150 F.S., pressure 15 $\frac{3}{4}$ tons.

·303 Cordite Service cartridges: velocity 2,030 F.S., pressure 15 $\frac{3}{4}$ tons.

(3) That the effect of atmospheric temperature on pressure and velocity with “Axite” is only half that with Cordite.

(4) That the maximum flame temperature of “Axite” is 13 $\frac{1}{2}$ per cent. less than that of Cordite, and that the total heat of decomposition is 18 per cent. less than that of Cordite. The erosive effect from “Axite” is therefore considerably less than from Cordite.

(5) That the residue deposit in the barrel after firing “Axite” cartridges reduces the friction between the bullet and the barrel. It is therefore practicable to use “Axite” cartridges giving higher velocities than can be employed with Cordite, owing to the latter nickeling the barrel by excessive friction.

“Axite” is suitable for use in all High-power Cordite rifles:—

·600, ·577, ·500, ·500/450, ·450, ·450/400, ·400, ·400/360, ·375, ·303, 7m/m Mauser, 6·5 Mannlicher, and for all Kynoch cartridges hitherto loaded with Cordite.

KYNOCH LIMITED

Pressure of Cordite Express Cartridges Given in Close-fitting Chambers

Cartridge	Charge Grains of Cordite	Bullet Grains	Pressure in Tons per sq. inch at a Temperature of 60° to 70° F.	Pressure* in Tons per sq. inch at Extreme Temperature	Pressure‡ in Tons per sq. inch given by Proof Charges
.600	100	900	13.5	—	—
.577, 3 inch	100	750	15.0	20.0	26
.500, 3 ,,	80	570	16.0	20.5	28
.500/450	70	480	13.0	17.5	24½
.450	70	480	17.0	21.5	31
.450/400	60	400	17.5	22.5	30½
Jeffery .400	60	400	16.5	21.5	29
.375	40	270	14.5	20.0	26
„	40	320	16.0	21.0	30
.400/360	41	314	14.0	19.0	25½
Rigby .350	43	310	16.0	21.0	28
.360	30	300	13.5	18.0	25
.303	30	215	16.0	21.0	30

*Cartridges kept at 120° F. for some weeks, then heated for one hour to a temperature of 150° F. to 160° F. Guns heated to a temperature of 160° F. to 170° F. See experiments described in *Kynoch Journal*, No. 22.

‡The proof charges are an increase by weight of 20% in Cordite, and 33% in the Bullet over the service charge.

The above pressures are interpreted according to the pressure table given on the following page. This table was obtained as the result of careful experiment with the actual batch of crushers used by the method described in *Kynoch Journal*, No. 20.

KYNOCH PRESSURE TABLE

For COPPER CRUSHERS .250 in. diameter and .500 in. long
For use with .225 in. diameter piston

Crusher Length	Pressure in Tons/ ² in.	Crusher Length	Pressure in Tons	Crusher Length	Pressure in Tons	Crusher Length	Pressure in Tons	Crusher Length	Pressure in Tons
.500	—	.470	12.35	.440	19.15	.410	25.45	.380	31.75
.499	—	.69	.59	.39	.36	.09	.66	.79	.96
.98	—	.68	.83	.38	.57	.08	.87	.78	32.17
.97	—	.67	13.07	.37	.78	.07	26.08	.77	.38
.96	5.0	.66	.31	.36	.99	.06	.29	.76	.59
.495	5.3	.465	.55	.435	20.20	.405	.50	.375	.80
.94	.61	.64	.79	.34	.41	.04	.71	.74	33.01
.93	.92	.63	14.03	.33	.62	.03	.92	.73	.22
.92	6.23	.62	.27	.32	.83	.02	27.13	.72	.43
.91	.54	.61	.51	.31	21.04	.01	.34	.71	.64
.490	.85	.460	.75	.430	.25	.400	.55	.370	.85
.89	7.15	.59	.98	.29	.46	.399	.76	.69	34.06
.88	.45	.58	15.21	.28	.67	.98	.97	.68	.27
.87	.75	.57	.44	.27	.88	.97	28.18	.67	.48
.86	8.05	.86	.67	.26	22.09	.96	.39	.66	.69
.485	.35	.455	.90	.425	.30	.395	.60	.365	.90
.84	.64	.54	16.12	.24	.51	.94	.81	.64	35.11
.83	.93	.53	.34	.23	.72	.93	29.02	.63	.32
.82	9.22	.52	.56	.22	.93	.92	.23	.62	.53
.81	.51	.51	.78	.21	23.14	.91	.44	.61	.74
.480	.80	.450	17.00	.420	.35	.390	.65	.360	.95
.79	10.07	.49	.21	.19	.56	.89	.86	.59	36.16
.78	.34	.48	.43	.18	.77	.88	30.07	.58	.37
.77	.61	.47	.64	.17	.98	.87	.28	.57	.58
.76	.88	.46	.85	.16	24.19	.86	.49	.56	.79
.475	11.15	.445	18.07	.415	.40	.385	.70	.355	37.00
.74	.39	.44	.29	.14	.61	.84	.91	.54	.21
.73	.63	.43	.50	.13	.82	.83	31.12	.53	.42
.72	.87	.42	.72	.12	25.03	.82	.33	.52	.63
.71	12.11	.41	.94	.11	.24	.81	.54	.51	.84
.470	.35	.440	19.15	.410	.45	.380	31.75	.350	38.05

APPENDIX

MILITARY CARTRIDGES

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference page
*577 Snider Boxer - - -	Black	70	480	5 1 8	24
*577 Snider solid - - -	Black	70	480	6 6 8	25
*577 Snider Paper - - -	Black	70	480	5 1 8	"
*577 Snider Paper blank - - -	Black	50	—	2 12 6	"
*577/450 M.H. solid - - -	Black	85	480	8 13 4	26
Ditto - - -	Cordite	44	480 lead	10 0 0	"
Ditto - - -	Axite	—	480 lead	12 10 0	"
*577/450 Boxer M.H. - - -	Black	85	480	6 17 6	"
Peabody Martini - - -	Black	85	480	8 7 6	27
Turkish Government					
Peabody Martini, 1868 Model - - -	Black	60	400	5 15 6	"
Gatling Martini - - -	Black	85	480	6 17 6	"
Roumanian Government					
*433 German Mauser (11 m/m) - - -	Black	77	380	6 3 9	29
*433 Gras - - -	Black	81	386	6 3 9	"
*433 Remington, Spanish - - -	Black	78	388	6 3 9	"
*433 Remington, Egyptian - - -	Black	75	420	6 3 9	"
*433 Murata, Japanese - - -	Black	80	415	7 3 0	"
*420 Berdan, Russian - - -	Black	74	385	6 3 9	"
*8 m/m Mannlicher - - -	Cordite	34	245	8 7 6	33
Austrian Government Model					
Ditto - - -	Axite	—	245	10 10 0	"
*7.9 m/m Mauser - - -	Cordite	34	227	8 7 6	"
German Government Model					
Ditto - - -	Axite	—	227	10 10 0	"
*.303 British Government - - -	Cordite	—	215	8 7 6	34
Ditto - - -	Axite	—	215	8 7 6	"
*7.65 Mauser - - -	Cordite	32	219	8 7 6	"
Belgian, Turkish, and Argentine Govt. Model					
Ditto - - -	Axite	—	219	10 10 0	"
*30/220 U.S.A. (U.S. Army) - - -	Axite	—	220	8 7 6	35
*7 m/m Mauser - - -	Cordite	31	178	8 7 6	36
Spanish, Brazilian, Chilean, Mexican, and Uruguay Government Models					
Ditto - - -	Axite	—	178	10 10 0	"
*6.5 Mannlicher - - -	Cordite	31	160	8 7 6	"
Roumanian and Dutch Government Models					
Ditto - - -	Axite	—	160	10 10 0	"
*6.5 Krag Jorgensen - - -	Cordite	31	160	8 7 6	37
Ditto - - -	Axite	—	160	10 10 0	"

*Loaded with Tropical Cordite at same price as Cordite.

EXPRESS CARTRIDGES

for use in Black Powder Rifles

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference page
.20/577, 2 $\frac{3}{4}$ in. - - -	Black	167	560, 650	12 18 4	24
Ditto - - -	Cordite	65	560	14 5 10	"
Ditto - - -	Axite	—	560	17 17 6	"
.577, 2 $\frac{3}{4}$ in., 3in. or 3 $\frac{1}{4}$ in. - -	Black	160 & 167	560, 650	11 5 0	"
Ditto - - -	Cordite	65	560	12 12 6	"
Ditto - - -	Axite	—	560	15 15 8	"
.577/500, 3 $\frac{1}{8}$ in. - - -	Black	160	440	12 0 0	25
Ditto - - -	Cordite	60	440	13 7 6	"
Ditto - - -	Axite	—	440	16 14 6	"
.500 Express, 3in. or 3 $\frac{1}{4}$ in. - -	Black	136	340	10 0 0	"
Ditto - - -	Black	142	440	11 0 0	"
Ditto - - -	Cordite	55	440	11 17 6	"
Ditto - - -	Axite	—	440	14 17 0	"
No. 2 Express, .500, 2 $\frac{1}{16}$ in. - -	Black	130	340	10 0 0	"
Ditto - - -	Cordite	53	440	11 17 6	"
Ditto - - -	Axite	—	440	14 17 0	"
.500/450 Express, 3 $\frac{1}{4}$ in. - -	Black	140	365	11 10 0	26
Ditto - - -	Cordite	52	365	12 10 0	"
Ditto - - -	Axite	—	365	15 12 6	"
No. 1 Express, .450 - - -	Black	110	270	9 5 0	27
Ditto - - -	Cordite	42	365	10 15 0	"
Ditto - - -	Axite	—	365	13 8 9	"
No. 1 Musket, .450 - - -	Black	76	480	7 15 0	"
No. 2 Musket, .450 - - -	Black	65	400	7 15 0	"
Ditto " - - -	Black	70	450	7 15 0	"
Ditto, 2 $\frac{5}{16}$ in. - - -	Black	76	480	7 15 0	"
No. 1 Carbine, .450 - - -	Black	55	380	6 14 2	"
.450 Express, 3 $\frac{1}{4}$ in. - - -	Black	110	270	9 12 6	28
Ditto - - -	Black	120	365	9 17 6	"
Ditto - - -	Cordite	45	365	10 17 6	"
Ditto - - -	Axite	—	365	13 12 0	"
.450/400 Express, 3 $\frac{1}{4}$ in. - -	Black	110	270	9 10 0	29
Ditto - - -	Cordite	40	270	10 17 6	"
Ditto - - -	Axite	—	270	13 12 0	"
.450/400 Express, 2 $\frac{3}{8}$ in. - -	Black	80	270	8 2 6	30
Ditto - - -	Cordite	32	270	9 10 0	"
Ditto - - -	Axite	—	270	11 17 6	"
.360 Express, 2 $\frac{1}{4}$ in. - - -	Black	50	190	5 15 6	31
Ditto - - -	Cordite	22	200	7 10 0	"
Ditto - - -	Axite	—	200	9 7 6	"

EXPRESS CARTRIDGES

for use in High Power Rifles

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference page
*.600 Express, 3 in. - - -	Cordite	100	900	23 0 0	24
Ditto - - -	Axite	—	900	28 15 0	"
*.577 Express, 3 in. and 3 $\frac{1}{4}$ in. -	Cordite	100 & 90	750 or 650	18 0 0	"

EXPRESS CARTRIDGES

for use in High Power Rifles only.—*Continued*

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference Page
*.577 Express, 3 in. and 3¼ in.	- Axite	—	750 or 650	22 10 0	24
*.500 Express, 3 in. and 3¼ in.	- Cordite	80 & 75	570 or 480	14 8 4	25
Ditto	- Axite	—	570 or 480	18 0 0	"
.450 No. 2 Express, 3½ in.	- Cordite	80	480	16 0 0	26
Ditto	- Axite	—	480	20 0 0	"
*.500/450 Express, 3¼ in.	- Cordite	70	480 or 420	14 8 4	"
Ditto	- Axite	—	480 or 420	18 0 0	"
*.450 Express, 3¼ in.	- Cordite	70	480 or 420	13 15 0	28
Ditto	- Axite	—	480 or 420	17 3 9	"
*.450/400 Express, 3¼ in.	- Cordite	60	400	13 0 0	29
Ditto	- Axite	—	400	16 5 0	"
*.450/400 Express, 3 in.	- Cordite	60	400	13 0 0	"
Ditto	- Axite	—	400	16 5 0	"
*.375 Express, 2½ in.	- Cordite	40	270	9 12 6	31
Ditto	- Axite	—	270	12 0 0	"
.360 No. 2 Express, 3 in.	- Cordite	55	320	12 0 0	"
Ditto	- Axite	—	320	15 0 0	"
*W.R. 400/360 Express, 2¾ in.	- Cordite	41	314	11 13 4	"
Ditto	- Axite	—	314	14 11 8	"
*Purdey 400/360 Express, 2¾ in.	- Cordite	40	300	11 13 4	"
Ditto	- Axite	—	300	14 11 8	"
*.360 Express 2¼ in.	- Cordite	30	300	9 12 6	"
Ditto	- Axite	—	300	12 0 0	"
.375/303	- Axite	—	215	12 0 0	33
.303 Savage, 2 in.	- Axite	—	180	7 5 0	34

* Loaded with Tropical Cordite at same price as Cordite

RIFLE CARTRIDGES

for use in Winchester, Target and Rook Rifles

Name of Cartridge.	Powder	Charge	Weight of Bullet	Price	Reference Page
.44 Winchester, Colt's, Marlin	- Black	40	200	3 9 2	28
.380 long	- Black	12	124	2 17 6	30
Ditto	- Axite	—	124	3 0 0	"
.38/55 Winchester	- Black	48	255	5 15 6	"
Ditto	- Axite	—	255 ^F	6 5 0	"
Ditto	- Axite	—	255 ^{A&B}	7 10 0	"
.360 No. 5	- Black	14	134	3 2 6	32
Ditto	- Cordite	—	134	3 5 0	"
Ditto	- Axite	—	134	4 1 3	"
.32 Special	- Axite	—	170	7 2 6	"
.32/40 Winchester	- Black	40	185	5 7 6	"
Ditto	- Axite	—	185 ^{A&B}	7 2 6	"
Ditto	- Axite	—	185 ^F	5 17 6	"
.32/20 Winchester	- Black	20	115	2 17 6	"
Ditto	- Axite	—	115	3 2 6	"

RIFLE CARTRIDGES

for use in Winchester, Target and Rook Rifles, *continued*

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference Page
.320 long - - - -	Black	8	80	2 6 8	32
Ditto - - - -	Cordite } Axite }	—	80	2 9 2	"
.310 Cadet - - - -	Cordite	5½	120	2 15 0	33
Ditto - - - -	Axite	—	120	3 0 0	"
.303 Reduced charge	Cordite	16	180	5 0 0	34
Ditto - - - -	Axite	—	180	6 5 0	"
.303 Adaptor cartridge	Cordite	2½	90	2 10 0	"
Ditto - - - -	Axite	—	90	3 2 6	"
.30/30 - - - -	Axite	—	170	7 5 0	35
.300 Sherwood - - - -	Cordite } Axite }	—	140	3 2 6	"
.300 Target - - - -	Cordite } Axite }	—	110	3 2 6	"
.300 Rook - - - -	Black	10	80	2 17 6	"
Ditto - - - -	Cordite } Axite }	—	80	3 0 0	"
.256 Mannlicher short range	Cordite	15	140	5 0 0	36
Ditto - - - -	Axite	—	140	6 5 0	"
.25/20 Marlin - - - -	Black	20	86	2 17 6	37
Ditto - - - -	Axite	—	86	3 2 6	"
K255 - - - -	Black	—	66	2 12 6	"
Ditto - - - -	Cordite } Axite }	—	66	2 15 0	"
.297/250 - - - -	Black	7	56	2 6 8	"
Ditto - - - -	Cordite } Axite }	—	56	2 9 2	"
.297/230 long - - - -	Black	5	37	1 16 8	"
Ditto - - - -	Cordite } Axite }	—	37	1 19 2	"
.297/230 short - - - -	Black	3	37	1 14 2	"
Ditto - - - -	Cordite } Axite }	—	37	1 16 8	"

REVOLVER & PISTOL CARTRIDGES

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference Page
.455 Revolver - - - -	Black	18	265	3 15 0	26
Ditto - - - -	Cordite	6	265	4 0 0	"
Ditto - - - -	Axite	—	265	5 0 0	"
.450 Revolver - - - -	Black	13	225	2 17 6	28
Ditto - - - -	Cordite	5	225	3 2 6	"
Ditto - - - -	Axite	—	225	3 18 2	"

REVOLVER & PISTOL CARTRIDGES, *continued*

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference page
.44 S. and W. Revolver - - -	Black	19	220	3 0 0	28
Ditto - - - -	Cordite	6	220	3 5 0	"
Ditto - - - -	Axite	—	220	4 1 3	"
.44 S. & W. Rev. (Russian Model)	Black	21	255	3 0 0	"
Ditto - - - -	Cordite	6½	255	3 5 0	"
Ditto - - - -	Axite	—	255	4 1 3	"
.380 Revolver - - - -	Black	10	124	2 12 6	30
Ditto - - - -	Cordite	—	124	2 15 0	"
.38 S. and W. Revolver - - -	Black	10	145	2 12 6	"
Ditto - - - -	Cordite	—	145	2 15 0	"
.320 Revolver - - - -	Black	6	80	2 0 10	32
Ditto - - - -	Cordite	—	80	2 3 4	"
.32 S. and W. Revolver - - -	Black	6	85	2 0 10	33
Ditto - - - -	Cordite	—	85	2 3 4	"
.7·65 Browning Pistol - - - -	Cordite	3	72	4 0 0	35
Ditto - - - -	Axite	—	72	5 0 0	"
.30 Borchardt Pistol - - - -	Cordite	8	85	4 0 0	36
Ditto - - - -	Cordite	8	85	4 5 0 solid bullet	"
Ditto - - - -	Axite	—	85	5 0 0 soft nose b'll't	"
Ditto - - - -	Axite	—	85	5 5 0 solid bullet	"
.297 Revolver - - - -	Black	5	70	2 0 10	"
Ditto - - - -	Cordite	—	70	2 3 4	"
Ditto - - - -	Axite	—	70	2 3 4	"

RIM FIRE CARTRIDGES

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference Page
.442 Copper Revolver - - -	Black	14	220	2 10 0	38
.440 " " - - - -	Black	14	220	2 10 0	"
.410 " " - - - -	Black	8	140	2 5 0	"
.380 Long Copper Rifle - - -	Black	14	124	2 10 0	"
.380 Copper Revolver - - - -	Black	11	124	2 5 0	"
.340 " " - - - -	Black	8	85	2 0 0	"
.320 Long Copper Rifle - - -	Black	11	80	2 0 0	"
.320 Copper Revolver - - - -	Black	8	80	1 15 0	"
.297 " " - - - -	Black	6	70	1 10 0	"
.22 long - - - -	Black	4	30	0 15 0	"
Ditto - - - -	Smkless	—	—	—	"
.22 short - - - -	Black	3	30	0 12 6	"
Ditto - - - -	Smkless	—	—	—	"

RIM FIRE CARTRIDGES, *continued*

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference Page
No. 3 B.B. - - -	—	—	—	1 1 0	39
Ditto, Conical Bullet - - -	—	—	—	1 5 0	"
No. 3 shot - - -	—	—	—	1 7 6	"
No. 3 shot, long - - -	—	—	—	1 15 0	"
No. 2 B.B. - - -	—	—	—	0 15 0	"
No. 2 shot - - -	—	—	—	1 2 6	"
No. 2 shot, long - - -	—	—	—	1 7 6	"
No. 1 B.B. - - -	—	—	—	0 9 0	"
Ditto, Conical Bullet - - -	—	—	—	0 11 6	"
No. 1 Gallery - - -	—	—	—	0 6 8	"
Ditto, Conical Bullet - - -	—	—	—	0 8 0	"
No. 1 shot - - -	—	—	—	0 15 0	"
No. 1 shot, long - - -	—	—	—	0 18 6	"

PIN FIRE CARTRIDGES

Name of Cartridge	Powder	Charge	Weight of Bullet	Price	Reference Page
15 m/m Copper for Carbines -	Black	28	450	4 13 4	38
15 m/m Copper for Lefauchaux Rev.	Black	21	450	4 13 4	"
12 m/m " " "	Black	11	200	2 6 8	"
9 m/m " " "	Black	8	124	1 19 2	"
7 m/m " " "	Black	5 $\frac{1}{2}$	63	1 10 0	"
5 m/m " " "	Black	3	18	1 10 0	"