

HILL & SMITH'S IRONWORK.

No. 257.

Illustrated Abridged Catalogue of

Patent Continuous Iron Fencing

Strained Wire Fencing,
Entrance Gates, Railing, Galvanized Wire Netting
and Black Varnish.

MANUFACTURED BY

HILL & SMITH,

Brierley Hill Iron Works, Brierley Hill,
Staffordshire,
and **118, Queen Victoria St., London, E.C.**

PLEASE ADDRESS:

Messrs. HILL & SMITH, BRIERLEY HILL IRON WORKS, BRIERLEY HILL, Staffordshire.

NEAREST RAILWAY STATION: ROUND OAK, G.W.R.

SPECIAL NOTICE.

1. **PRICES.**—This Catalogue cancels all former ones, and the prices herein are subject to alteration without previous notice.
2. **ENQUIRIES FOR SPECIAL PRICES.**—Correspondents are requested to give as full particulars as possible, stating length and heights required, and, if possible, giving a rough plan of line of fence. It is also advisable to state the purpose for which it is required; the nature of the ground in which it is to be fixed; and whether it is to be erected or only delivered to the nearest railway station.
3. **CONSULTATIONS.**—HILL & SMITH will be pleased to wait upon correspondents by appointment to inspect sites, and give them the benefit of their long experience and skill free of charge, except when the distance and expense may be great, in which case "out of pocket expenses" only will be charged.
4. **DRAWINGS.**—Detailed drawings of proposed Works will be submitted to **Customers** free of charge, but H. & S. reserve the right to charge for same, should the work be carried out according to such designs other than by themselves. Working drawings will be supplied where necessary in the case of customers wishing to have the ironwork erected by their own workmen.
5. **DELIVERY.**—All promises of delivery must be taken as approximate only, and are subject to strikes, lock-outs or combinations of workmen, supply of raw material, or other contingencies causing delay. Wherever the phrase, "Most Railway Stations," appears in any of our Catalogues, etc., it applies only to English and Scotch Railways, but the same terms will cover delivery to the principal Irish Seaports. The purchaser conveys the materials, etc., from railway station or quay to the site of erection, unless specially arranged otherwise. London rates quoted in this Catalogue apply also to Liverpool; Dublin rates to Glasgow or Edinburgh.
6. **ERECTION.**—Special Prices for erection, which are not given in the Catalogue, will also be quoted for when desired. Where not otherwise specified, the purchaser gives the assistance of two labourers to each fixer sent by H. & S.
7. **CURVING, RAKING AND ODD LENGTHS.**—In Hurdles, Railings, etc., these are charged extra.
8. **FOUNDATIONS.**—All Prices are exclusive of special excavation of foundations when rock is met with, and, unless expressly stated otherwise, such work will be charged extra.
9. **BREAKAGES.**—No allowance for goods broken or lost in transit can be made if "a clear signature" is given to carriers by purchaser or his representative. No signature should therefore be given until the receiver is satisfied that everything invoiced has been received and that nothing is damaged. Otherwise receiver should sign "part missing" or "damaged" on carriers' delivery sheet, and notify us at once. H. & S. are not responsible for repairs executed by purchasers.
10. **REFERENCES.**—To save delay and inconvenience a reference or remittance should accompany all orders from Correspondents opening a fresh account.
11. **TERMS.**—Net cash on delivery of goods or completion of contract. Interest at five per cent. charged on overdue accounts.

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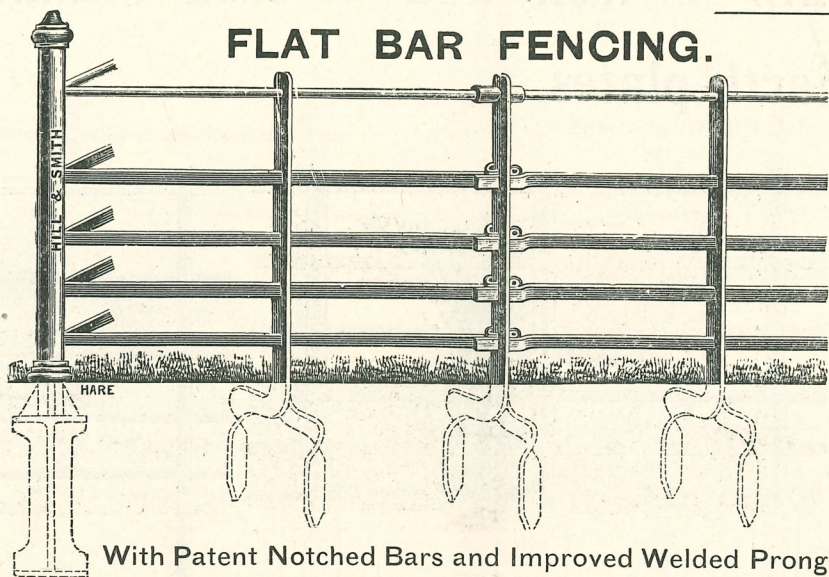
It is neither necessary nor desirable to cut up the Catalogue, as the numbers are quite sufficient to guide us; thus "Catalogue 257, Vertical Bar Fence 15 4/c, 4.0 high, $\frac{3}{4}$ Verticals," will be sufficient to describe the fence shown on page 8.

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HILL & SMITH. BRIERLEY HILL IRON WORKS, STAFFORDSHIRE,

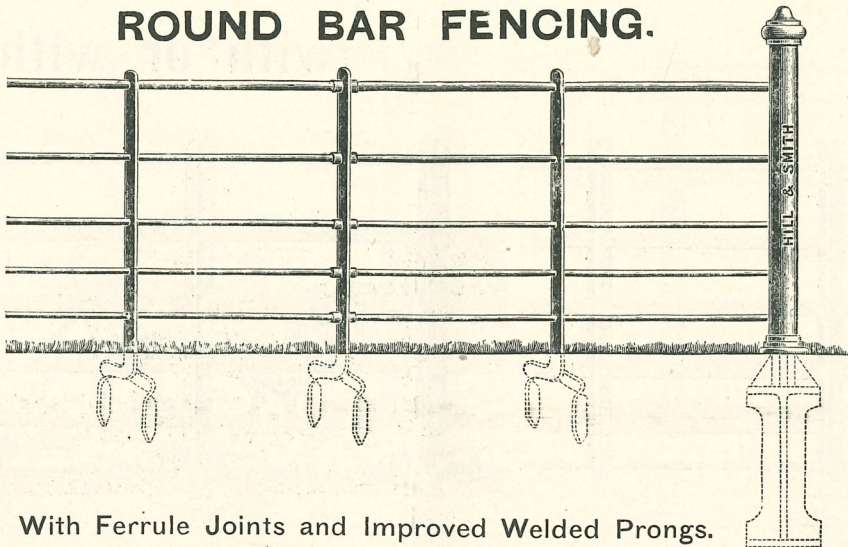
Continuous Fencing, with Horizontal Bars.

FLAT BAR FENCING.

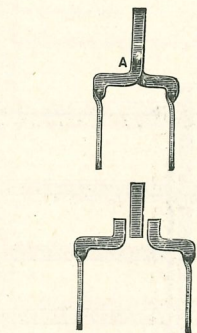


With Patent Notched Bars and Improved Welded Prongs.

ROUND BAR FENCING.



With Ferrule Joints and Improved Welded Prongs.



These Engravings show the three component parts of the foot before welding; thickened and strengthened at the weld A after the operation.

HILL & SMITH are the **original inventors** of this Fence, and all others are imitations. For close upon **80 years** they have made it a speciality, during which period they have supplied **many thousand miles** of it. Unceasing thought and unremitting attention have been given **to reduce the cost of production**, and to maintain its excellence. Not only do HILL & SMITH make the Fence, but they **also manufacture the iron** from which it is made, so that it has reached **a perfection in finish**, and is offered at prices never before attained. Very large stocks are held at their works, and orders can generally be **dispatched on receipt**. A staff of competent men, trained at their works, is kept for the purpose of erecting the fence in any part of the kingdom when required. For coating the following fences, Messrs. HILL & SMITH strongly recommend their Black Varnish, which is easily applied, has a splendid glossy face and prevents all corrosion.

SPECIFICATIONS.

PRICES.

	Estimate.	Height over Ground.	Depth in Ground.	Distance apart of Standards.	Size of Intermediate Standards.		No. of Bar.	Size of Top Bars.	Size of Lower Bars.		Works.	London.	Dublin.	One gallon of Black Varnish will cover	A Farm Horse will draw per two-wheel Cart load.
					in.	in.			in.	in.					
Flat Bar Fence.	For Sheep and Calves ...	No. 1	ft. in. 3 4	in. 13	3	1 1/4 x 1/4	5	1 1/2 x 1/4 round	1 x 1/4	1 x 1/4	per yard. s. d. 1 9 1/2	per yard. s. d. 1 11 1/2	per yard. s. d. 2 1	yards. 130	yards. 110
	For Cattle ...	" 2	3 6	13	3	1 1/2 x 1/4	5	"	1 x 1/4	1 x 1/4	2 2	2 4	2 5 1/2	115	90
	For Oxen and Horses ...	" 3	3 9	14	3	1 3/4 x 1/4	5	"	1 x 1/4	1 x 1/4	2 6	2 9	2 10 1/2	100	80
	For Heaviest Stock ...	" 3A	4 6	15	3	1 1/2 x 3/8	6	"	1 x 1/4	1 x 1/4	2 10	3 2	3 3 1/2	85	65
Round Bar Fence.	For Sheep ...	" 1A	3 4	12	3	1 1/4 x 1/4	5	"	1/2 round	1/2 round	1 7	1 9	1 10	150	110
	For Light Cattle...	" 2A	3 6	13	3	1 1/2 x 1/4	5	"	"	"	1 11 1/2	2 2	2 3	130	100
	For Oxen and Horses ...	" 4	3 9	14	4	1 3/4 x 1/4	5	"	"	"	2 5	2 8	2 9 1/2	105	80
	For Heaviest Stock ...	" 4A	3 6	15	4	1 1/2 x 3/8	6	"	"	"	2 10	3 2	3 3 1/2	90	70

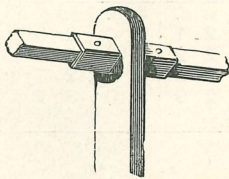
In addition to the prices of Continuous Fencing there is a small extra charge for Keys and Wedges, but this only amounts to 3s. per 100 yards.

Erection 3d. per yard extra. Purchaser to give one assistant labourer. Additional Horizontal Bars, 3d. per yard per bar.

SPECIAL ESTIMATES FOR LARGE LOTS.

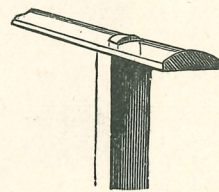
"Has given entire satisfaction. Patent Bar and Joint gives great stability and firmness."—RIGHT HON. THE EARL OF DARTREY. "Incomparably the best fence he has ever seen for deer and cattle."—THE RIGHT HON. LORD DARNLEY. "A very effective method of securing firmly the Bars and Standards."—THE RIGHT HON. LORD COLCHESTER. "Notched Bar and Joint a great improvement."—THE RIGHT HON. LORD BELPER. "Patent Notched Bar a great improvement."—THE RIGHT HON. LORD SOUTHAMPTON.

SQUARE TOP BAR.



Nos. 1 and 2 Pattern, with 1 1/8 square instead of 1/2 in. diam. Top Bar, 1d. per yard extra. Nos. 3 and 3A, with 1 1/8 square instead of 3/4 in. Round Top Bar, 1d. per yard extra.

OVAL TOP BAR.



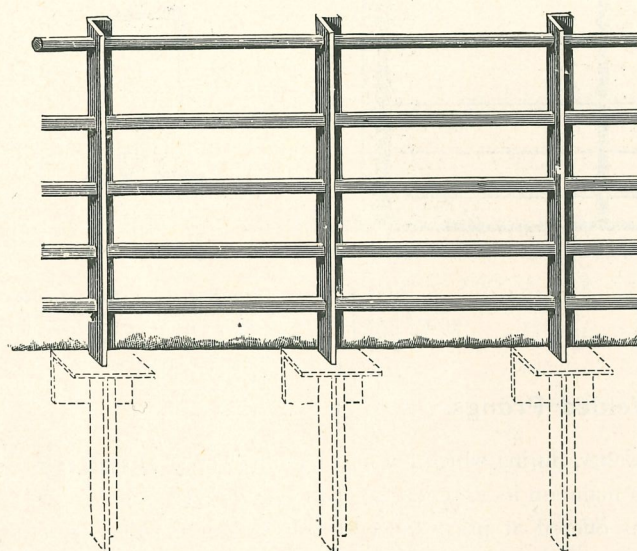
Oval Top Bar, 1d. per yard extra.

CAST-IRON SELF-FIXING TERMINAL PILLARS.

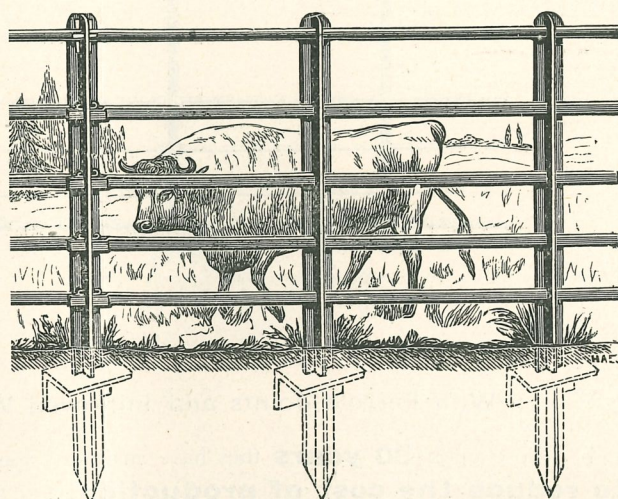
	Works.	London.	Dublin.	
ft. in.	s. d.	s. d.	s. d.	each.
3 6	8 0	8 9	9 3	
3 9	9 0	10 0	10 6	"
4 6	10 0	11 3	11 9	"

AND 118, QUEEN VICTORIA STREET, LONDON. E.C.

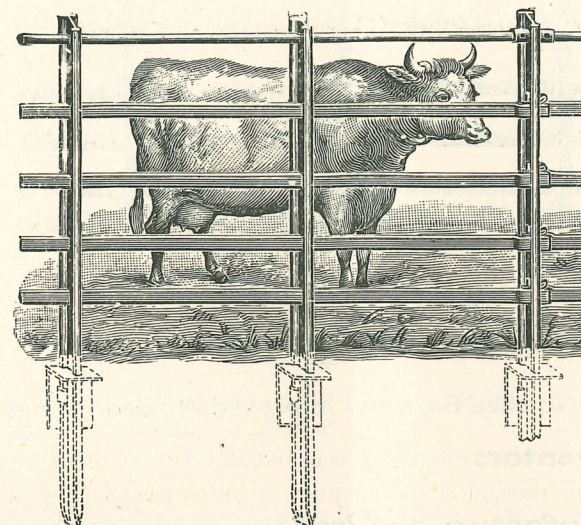
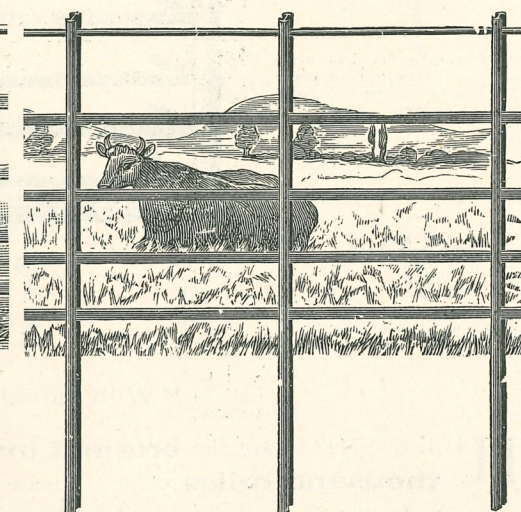
Continuous Fences, with Angle Iron, T Iron, Bulb T Iron, and H Iron Standards, and with or without Earth-plates.



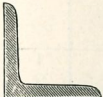
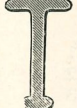
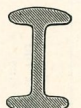
No. 1 G.



No. 1 F.

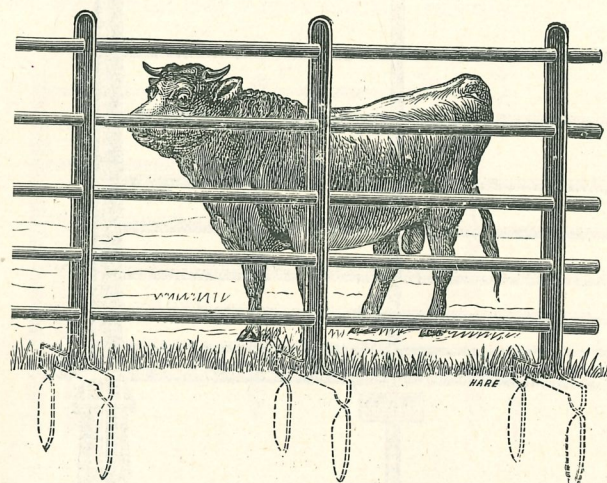
No. 1 $\frac{B}{F}$ No. 1 H,
or with all the bars round, No. 1 $\frac{H}{R}$

PRICES AND SPECIFICATIONS.

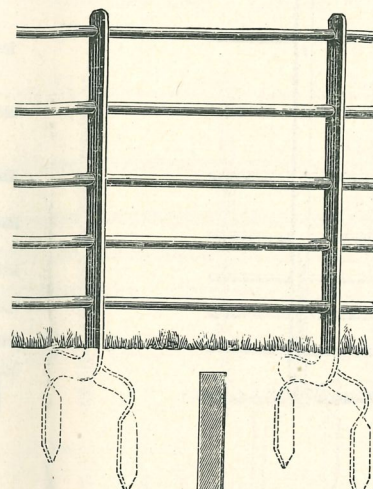
Height above Ground.	Depth in Ground.	Distance apart of Standards.	No. of Horizontals.	Size of Top Horizontal.	Size of Lower Horizontals.		Standards.				Standards.				Standards.				Standards.						
							Works.	London.	Dublin.		Works.	London.	Dublin.		Works.	London.	Dublin.								
ft. in.	ft. in.	ft.		in.	in. in.		ins.	s. d.	s. d.	s. d.	No. 1F.	$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$	s. d.	s. d.	s. d.	No. 1BF.	$1 \times 1\frac{1}{8} \times \frac{3}{16}$	s. d.	s. d.	s. d.	No. 1H.	$1 \times 1 \times 1\frac{5}{8} \times \frac{3}{16}$	s. d.	s. d.	s. d.
3 4	1 8	3	5	$\frac{5}{8}$ diam.	$1 \times \frac{1}{4}$	No. 1 G.	$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$	1 11 $\frac{1}{2}$	2 2	2 3	" 2F.	"	1 10 $\frac{1}{2}$	2 1	2 2	" 2BF.	"	2 0	2 2 $\frac{1}{2}$	2 4	" 2H.	"	2 1	2 4	2 5
3 6	2 0	"	"	"	"	" 2 G.	"	2 1	2 3	2 4	" 3F.	"	1 11 $\frac{1}{2}$	2 2	2 3	" 3BF.	"	2 1	2 4	2 5	" 3H.	"	2 2	2 5	2 5 $\frac{1}{2}$
3 9	2 3	"	"	"	"	" 3 G.	$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$	2 3	2 5 $\frac{1}{2}$	2 7	" 4F.	"	2 3	2 6	2 7	" 4BF.	$1 \times 1\frac{3}{8} \times \frac{3}{16}$	2 3 $\frac{1}{2}$	2 6	2 7 $\frac{1}{2}$	" 4H.	"	2 3 $\frac{1}{2}$	2 6 $\frac{1}{2}$	2 7 $\frac{1}{2}$
4 6	2 6	"	6	"	"	" 4 G.	"	2 7	2 10 $\frac{1}{2}$	3 0			2 7	2 10	3 0		"	2 8	2 11	3 0 $\frac{1}{2}$	"	"	2 9	3 0	3 2
3 4	1 8	3	5	$\frac{5}{8}$ diam.	$\frac{1}{2}$ diam.	No. 1HR.	Round Bar Fence. Same as 1 H to 4 H.	1 11	2 1 $\frac{1}{2}$	2 2 $\frac{1}{2}$	* The joint Standards, $1\frac{1}{2} \times 1\frac{3}{8} \times \frac{3}{16}$ inch. Any of the above Fences may be had with extra bars, if required, at 3d. per yard per bar, or with square or oval top bars, instead of round, at an extra cost of 1d. and 1$\frac{1}{2}$d. per yard respectively. Price of steel earth-plates, Works, 4d. ; London, 4$\frac{1}{2}$d. ; Dublin, 5d. per yard extra. Price of Cast-iron Self-fixing Terminal Posts (as shewn on page 1), 3ft. 6in. high, 8/9; 3ft. 9in. high, 10/-; 4ft. 6in. high, 11/3.														
3 6	2 0	"	"	"	"	" 2HR.		1 11 $\frac{1}{2}$	2 2	2 3															
3 9	2 3	4	"	"	"	" 3HR.		2 3	2 6	2 7 $\frac{1}{2}$															
4 6	2 6	"	6	"	"	" 4HR.		2 8	2 11	3 0 $\frac{1}{2}$															

AND 118, QUEEN VICTORIA STREET, LONDON, E.C.

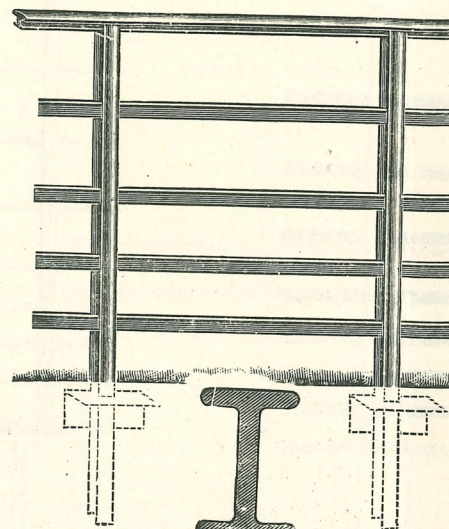
Wrought-Iron Tubular Fencing, with Plain or Girder Iron Standards, and New Patent Continuous Fence, with Oval Top Bar, in Iron or Steel.



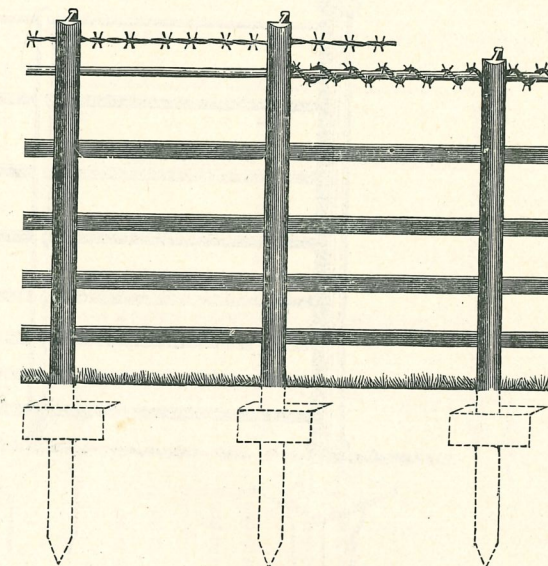
No. 1B



No. 1B/P



No. 1H/O



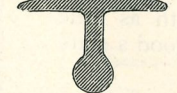
SPECIFICATIONS.

PRICES.

PRICES.

Any Continuous Fence prepared for and including Galvanized Steel Barbed Wire, as above, either method, 2d. per yd. extra.

SECTION OF TOP BAR



Engraving A

No. 1H/O

Estimate.	Height over Ground.	Depth in Ground.	Distance apart of standards	Size of Intermediate Standards.	Size of Joint Standards.	No. of Bars.	Size of Top Bar.	Size of Lower Bars.	Works.	London.	Dublin.	1 gallon Black Varnish will cover	A Farm Horse will draw per two-wheel Cart load	Estimate.	Height.	Works.	London.	Dublin.
	ft. in.	in.	ft. in.	in.	in.		in.	in.	s. d.	s. d.	s. d.	yds.	yds.		ft. in.	s. d.	s. d.	s. d.
1B	3 6	13	3 0	1 1/2	1 1/2	5	1 1/2 diam.	1 1/2 diam.	2 2 1/2	2 4 1/2	2 5 1/2	92	90	1B/P	3 6	2 1	2 3	2 4
3B	3 9	14	3 0	1 3/4	1 3/4	"	1 3/4 diam.	1 3/4 diam.	2 7	2 9	2 10 1/2	90	80	3B/P	3 9	2 7	2 9	2 10 1/2
3C	3 9	14	3 9	"	"	6	1 1/2 diam.	1 1/2 diam.	2 7	2 9	2 10 1/2	75	65	3C/P	"	2 5 1/2	2 7 1/2	2 9
3D	4 6	15	3 0	"	"	"	1 1/2 diam.	1 1/2 diam.	3 1 1/2	3 4 1/2	3 6	80	65	3D/P	4 6	2 11	3 1 1/2	3 3
3E	4 6	15	3 9	"	"	"	1 1/2 diam.	1 1/2 diam.	3 0 1/2	3 3	3 4 1/2	70	65	3E/P	"	2 11	3 1 1/2	3 3
1H/O	3 9	21	3 9	1 x 1 x 1 5/8 x 1 3/8	1 x 1 x 1 5/8 x 1 3/8	5	1 5/8 x 1 3/8 x 1 3/8	1 x 1/2 flat	2 5 1/2	2 8	2 9 1/2	80	80	Specification same as Nos. 1B to 3E, except Standards, which are flat iron, with patent Welded Prongs.				
2H/O	4 6	24	"	"	"	6	"	"	2 10	3 1	3 3	65	65					
3H/O	3 9	21	"	"	"	5	"	"	2 8	2 11	3 0 1/2	85	80					
4H/O	4 6	24	"	"	"	6	"	"	3 2	3 5	3 7	70	65					

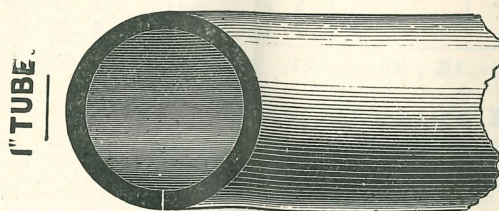
Fences No. 1B to 3E, and 1B/P to 3E/P

can be had, if desired, with Straight Standards and Earth-plates, instead of Prongs, at a slightly increased cost.

Terminal Pillars, 3ft. 6in. s. d. 8 9 0 3
" " 3 " 9 " 10 0 3
" " 4 " 6 " 11 0 3
Delivered London or equal.

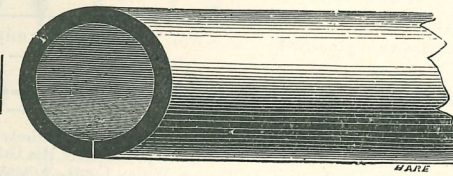
N.B.—The lower Bars of 1H/O Fence are flat iron.

A FULL-SIZED SECTION OF THE TUBES USED IN THE TUBULAR FENCES AND HURDLES.



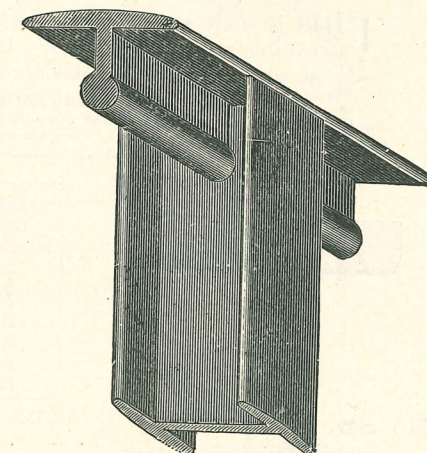
1" TUBE

3/4" TUBE



Wedges and Rivets for the above Fences are charged at 3/- per 100 yards.

These Fences are sent from the Works bundled for erection on site, and are not, therefore, varnished before despatch.

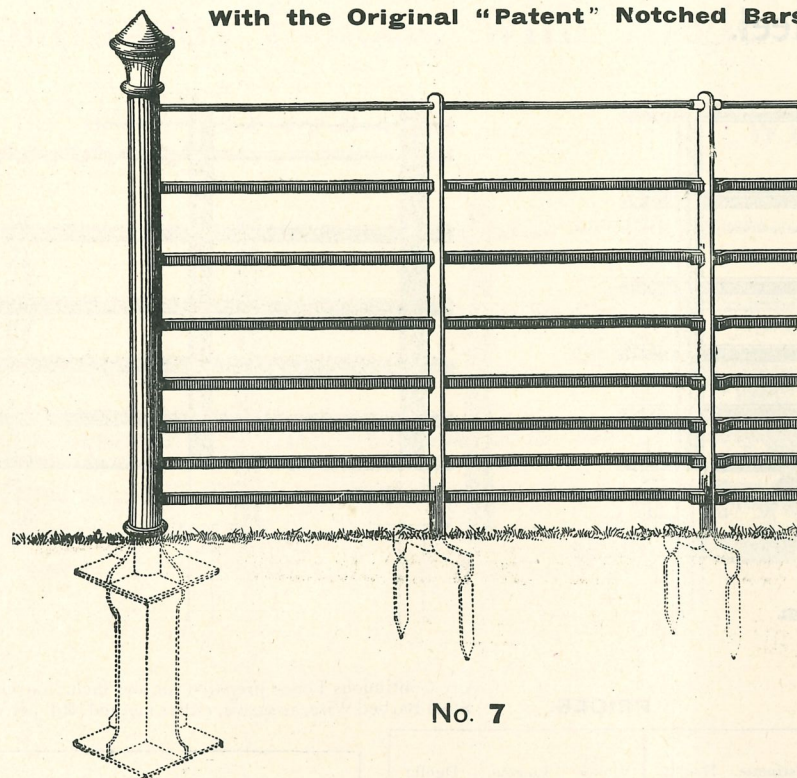


Engraving B

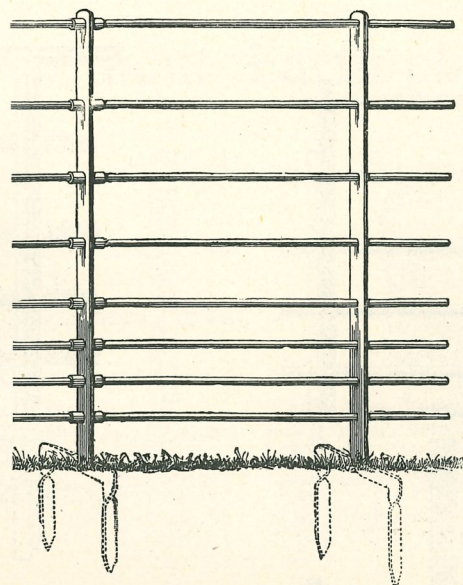
Shewing Top Bar No. 1H/O in position.

"Patent" Continuous Flat and Round Bar Fencing, for Deer Parks,

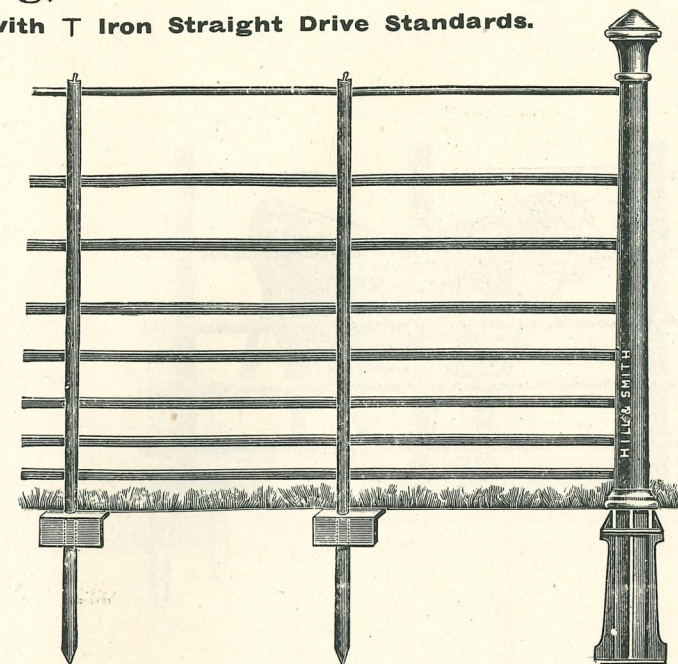
With the Original "Patent" Notched Bars, Ferrule Joints and Improved Welded Prongs, also with T Iron Straight Drive Standards.



No. 7



No. 8



No. 8b.

THIS is unquestionably the best Deer Fence yet introduced, whether as regards efficiency, durability, appearance, or economy. It is easily fixed, and may at any time be taken up and refixed with as little trouble almost as hurdles. It requires no side stays, nor is any excavation required in its erection, yet its firmness and rigidity when fixed are such that after many years experience it is found in as good a state as when erected. Holes are made in the lower spaces of all the standards, in order that, should it be found necessary, wires may at any time be added to prevent fawns creeping through.

In that interesting book (published by Murray), "Some Account of English Deer Parks, with Notes on the Management of the Deer, by Evelyn Philip Shirley, Esq., M.A., F.S.A." (himself owner of a Deer Park), is the following, at page 329:—"As for the internal divisions of Deer Parks, I hold that continuous Flat Iron Fencing—NOT WIRE—is by far the best; and of the different Manufacturers I would give the preference to MESSRS. HILL & SMITH, OF BRIERLEY HILL, NEAR DUDLEY, STAFFORDSHIRE, whose invention of a notched bar and joint is a great improvement, and tends to keep the uprights and bars in their proper positions."

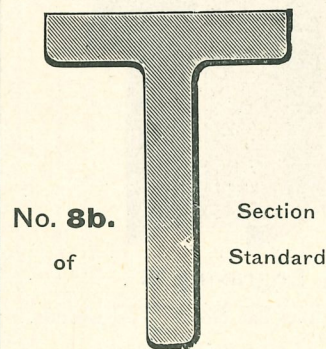
SPECIFICATIONS.

Specifica- tion.	Height over Ground.	Depth in Ground.	Distance apart of Standards.	Size of Intermediate Standards.	Size of Joint Standards.	No. of Bars.	Size of Top Bar.	Size of Lower Bars.	Works.	London.	Dublin.	One gallon Black Varnish covers yards.	A farm Horse will draw per two-wheel Cart load yards.
7	ft. 6	ft. in. 1 6	ft. in. 3 9	in. $1\frac{1}{2} \times \frac{3}{8}$	in. $1\frac{3}{4} \times \frac{3}{8}$	8	in. $\frac{3}{4}$ diam.	in. $1 \times \frac{1}{4}$	s. d. 3 5	s. d. 3 9	s. d. 3 11	60	50
7	"	"	3 9	"	"	9	"	"	s. d. 3 7 $\frac{1}{2}$	s. d. 3 11 $\frac{1}{2}$	s. d. 4 1 $\frac{1}{2}$	60	50
8	"	"	4 0	"	"	8	"	$\frac{5}{8}$ diam.	s. d. 3 7	s. d. 3 11	s. d. 4 1	70	50
8	"	"	4 0	"	"	9	"	"	s. d. 3 9 $\frac{1}{2}$	s. d. 4 2 $\frac{1}{2}$	s. d. 4 4 $\frac{1}{2}$	70	50
8B	"	"	3 9	$1\frac{1}{4} \times 1\frac{3}{4} \times \frac{3}{8}$	$1\frac{1}{4} \times 1\frac{3}{4} \times \frac{3}{8}$	8	"	$1 \times \frac{1}{4}$	s. d. 3 6	s. d. 3 10	s. d. 4 0	50	45
8B	"	"	3 9	"	"	9	"	"	s. d. 3 8 $\frac{1}{2}$	s. d. 4 0 $\frac{1}{2}$	s. d. 4 2 $\frac{1}{2}$	50	45

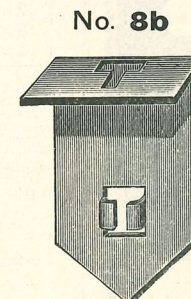
Erection, 6d. per yard extra. Purchaser finding two assistant labourers. Cast-iron Self-fixing Terminal Pillars, 18/-, 20/-, or 21/- each, at Works, London and Dublin respectively.

SPECIAL ESTIMATES FOR LARGE QUANTITIES.

The splendid Deer Park at Welbeck Abbey, the seat of His Grace the Duke of Portland, has been entirely surrounded by H. & S. with the No. 7 Deer Fence, nearly ten miles in extent, containing upwards of Sixty Entrance Gates in iron, of No. 43 pattern. This Fence has also been extensively used by His Grace the Duke of Bedford, at Woburn Abbey, Beds.; by the Right Honourable the Earl of Derby, at Knowsley Park, Lancashire; by the Right Honourable the Earl of Dudley, at Witley Court, Worcestershire; by the Right Honourable R. C. Nisbet Hamilton, at Beil, Prestonkirk, East Lothian; and by Evelyn P. Shirley, Esq., at Lough Rea, Carrickmacross, Ireland; and at Ettington Park, Stratford-on-Avon; and at most of the other Deer Parks in the United Kingdom.



No. 8b.
of
Standard

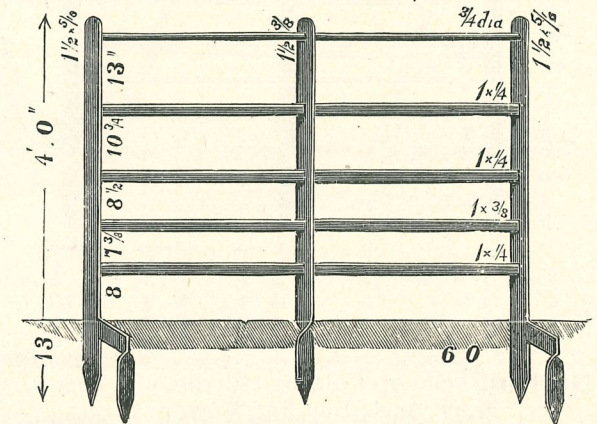


No. 8b
Enlargement or
Earth-plate.

AND 118, QUEEN VICTORIA STREET, LONDON, E.C.

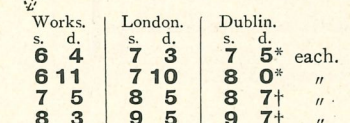
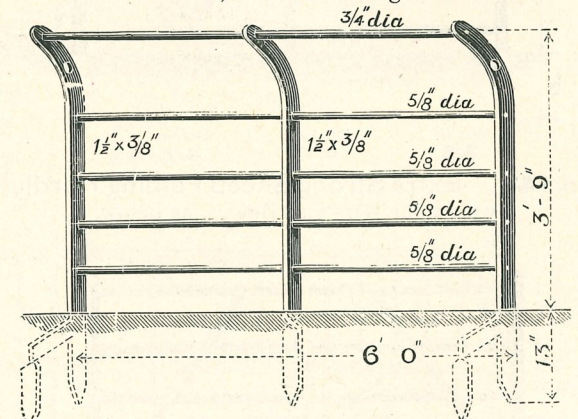
Wrought-Iron Hurdles.

No. 11a.—Flat-Bar Ox Hurdle, with Five Bars.



Works.		London.		Dublin.		
s.	d.	s.	d.	s.	d.	
5	8	6	6	6	8	each.
6	3	7	2	7	4	"
6	7	7	7	7	9	"
7	0 ¹	8	1	8	3	

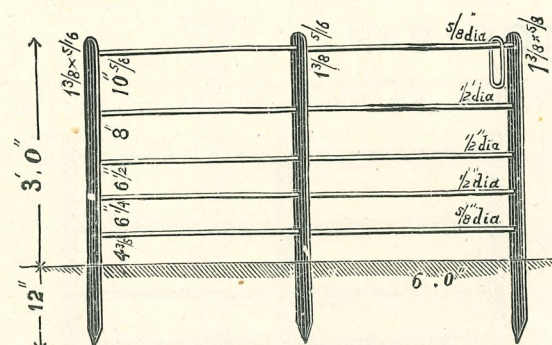
No. 11.—Ox Hurdle, with Five Bars, with Standards curved outwards, also with Straight Standards.



AND 118, QUEEN VICTORIA STREET, LONDON, E.C.

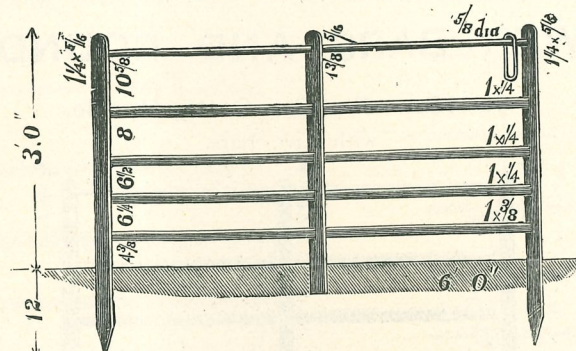
Premium Wrought-Iron Hurdles, for Temporary Purposes, Sheep Folding, &c.

No. 14.—Sheep-Folding Hurdle, with Five Bars.



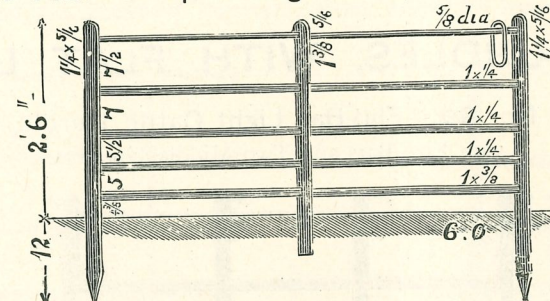
	Works.	London.	Dublin.
5 bars, 1 Middle Upright	3 9	4 3 1/2	4 5 each.
6 " 1 " "	4 1 1/2	4 9	4 10 1/2 "
5 " 2 " "	4 2 1/2	4 10	4 11 1/2 "
6 " 2 " "	4 7	5 3	5 4 1/2 "

No. 14a.—Sheep-Folding Hurdle, with Five Bars.



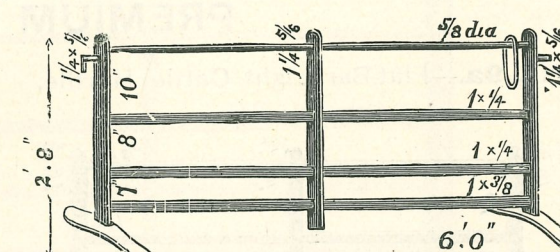
	Works.	London.	Dublin.
5 bars, 1 Middle Upright	3 9	4 3 1/2	4 5 each.
6 " 1 " "	4 1 1/2	4 9	4 10 1/2 "
5 " 2 " "	4 2 1/2	4 10	4 11 1/2 "
6 " 2 " "	4 7	5 3	5 4 1/2 "

No. 14b.—Sheep-Folding Hurdle, with Five Bars.



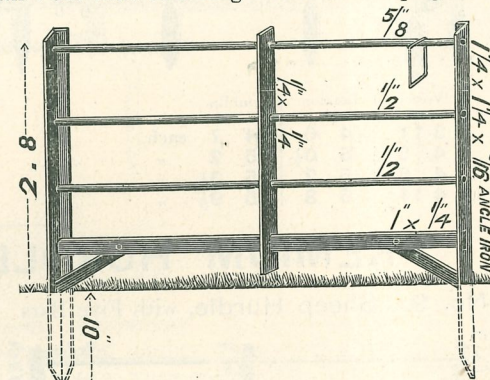
	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 6	4 0	4 1 each.
5 " 1 " "	3 11	4 6	4 7 "
4 " 2 " "	3 10	4 5	4 6 "

No. 14c.—Sheep-Folding Hurdle, with Spread Feet to stand on the Ground.



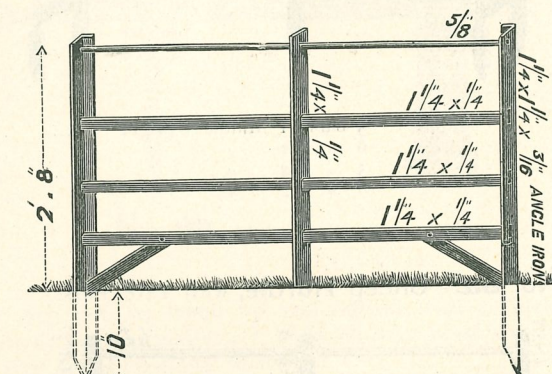
	Works.	London.	Dublin.
4 bars, 1 Middle Upright	4 2	4 9	4 10 each.

No. 14f.—Sheep-Folding Hurdle, with Four Bars and Angle Iron End Uprights.



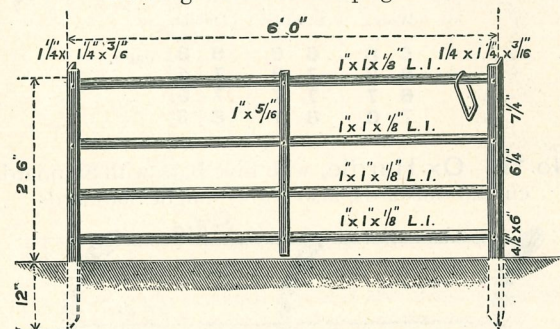
	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 3	3 8	3 9 each.

No. 14g.—Extra Strong Sheep-Folding Hurdle, with Four Bars and Angle Iron End Uprights.



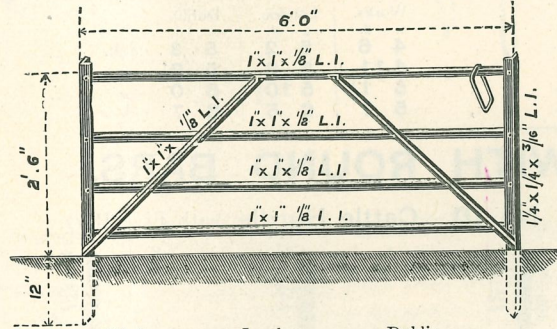
	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 9	4 4	4 5 each.

No. 14d.—Sheep-Folding Hurdle, with Four Bars and Angle Iron End Uprights.



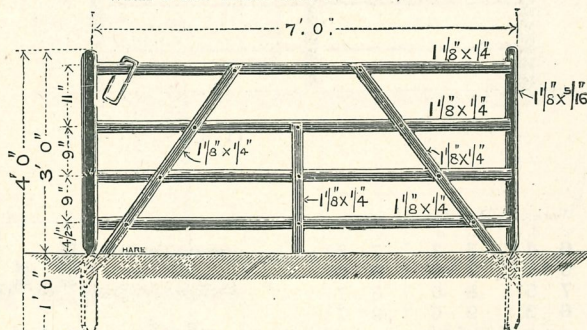
	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 3	4 1	4 2 each.

No. 14e.—Sheep-Folding Hurdle, with Four Bars, Two Braces and End Uprights of Angle Iron.



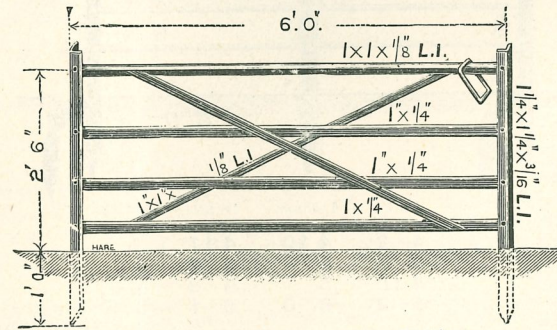
	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 11 1/2	4 6	4 7 each.

No. 14h.—Extra Strong Sheep-Folding Hurdle, with Four Bars and Braces, as below.

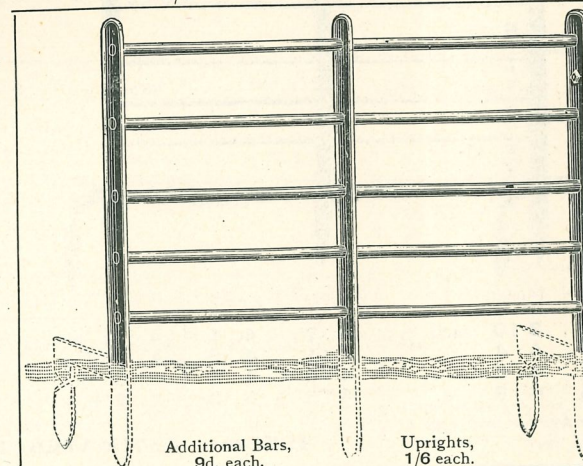


	Works.	London.	Dublin.
4 bars, 1 Middle Upright	4 3	4 10	4 11 each.

No. 14i.—Sheep-Folding Hurdle, with Four Bars, Two Braces and End Uprights, all of Angle Iron.



	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 10	4 5	4 6 each.



	Works.	London.	Dublin.
4 bars, 1 Middle Upright	3 3	3 8	3 9 each.

NEW TUBULAR HURDLES, WITH GIRDER IRON STANDARDS.

SPECIFICATIONS.

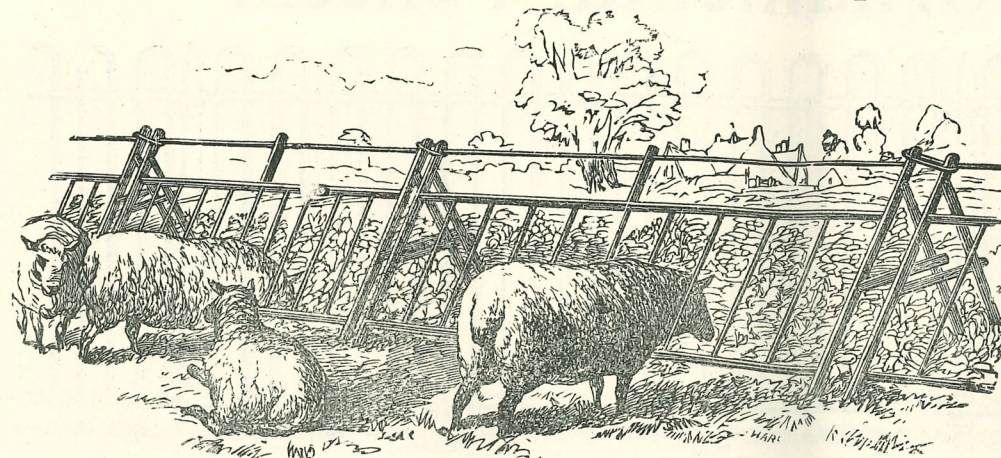
No.	Height.	No. of Bars.	Diameter of Bars.	Width of Uprights.
No. 10B...	3 1/2 feet.	5	3/4 in.	1 1/2 in.
" 11B...	4 "	5	1 "	1 3/4 "
" 11C...	4 1/2 "	6	1 "	1 3/4 "
" 11C A	5 "	7	1 "	1 3/4 "

PRICES.

No.	Works.	London.	Dublin.
No. 10B...	5 2	5 9	5 10 each.
" 11B...	7 1	7 11	8 1 "
" 11C...	8 2	9 1	9 3 "
" 11C A	9 0	10 1	10 3 "

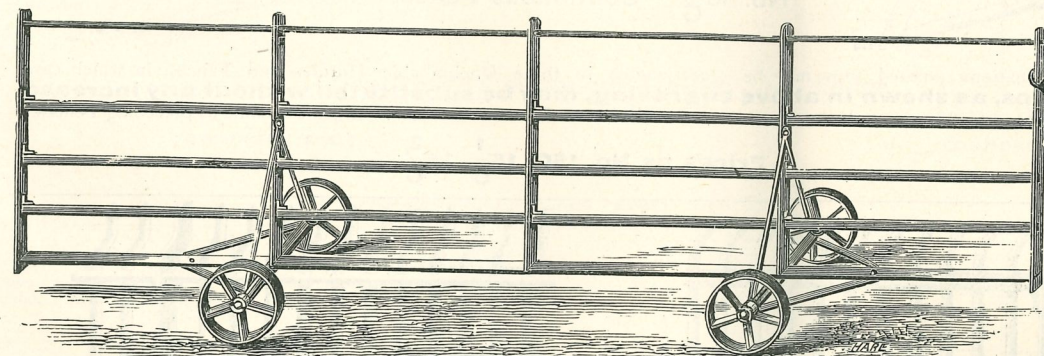
AND 118, QUEEN VICTORIA STREET, LONDON, E.C.

Improved Wrought-Iron Sheep-Folding Hurdles, ON or without WHEELS, and WITH LAMB CREEP.



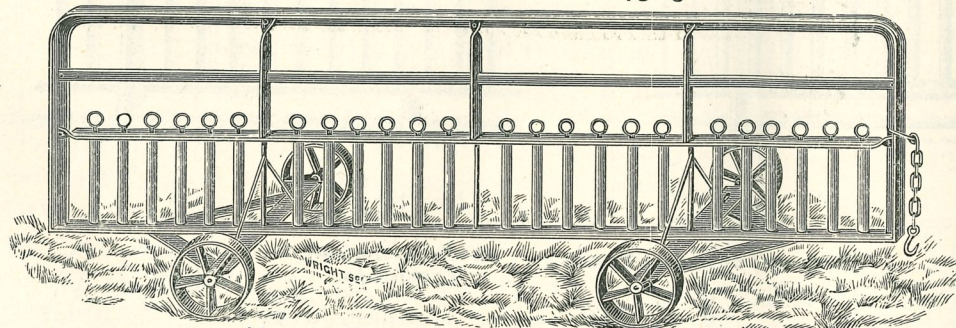
No. 12.—Premium Sheep-Folding Hurdle.

	Works.	London.	Dublin.
	5/-	5/8	5/9



No. 14 K.—12ft. long by 3ft. 6in. high. Top bar round, $\frac{5}{8}$ in. diam., lower ones flat, $1\frac{1}{8}$ by $\frac{1}{4}$ in. diam.

	Works.	London.	Dublin.
With Five Bars ...	15 6	16 6	17 0
" Six " ...	16 9	18 0	18 6



No. 14 N.—12ft. long by 3ft. 6in. high.

	Works.	London.	Dublin.
	24/6	28/-	29/-

Nos. 12 and 13.

Placed against crop, sheep outside.

Not fixed in ground. Rest on stays as shewn.

Economise food.

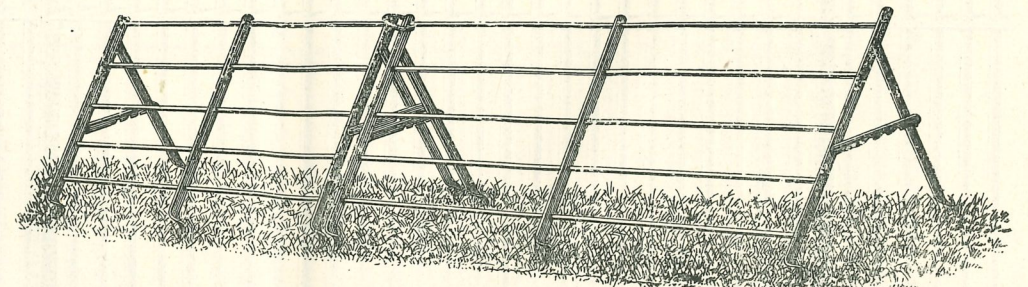
Sheep are prevented from treading on crop.

Manure the ground equally. When fresh food is required hurdles are drawn forward.

A Boy can manage this.

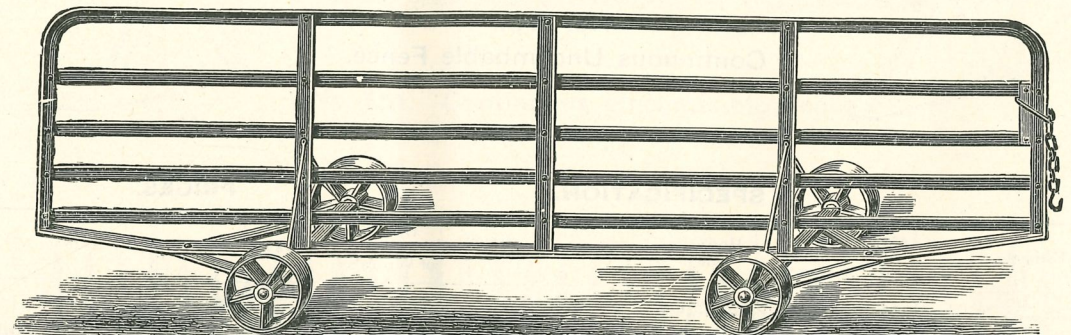
Size 6ft. long x 3ft. high.

Premiums have been awarded to H. & S. for Nos. 12 and 13 Hurdles by Yorkshire Agricultural, North Lancs. Agricultural, North Staffs. Agricultural, and the Stewpony Agricultural Societies, also by the Royal Agricultural Improvement Society of Ireland.



No 13.—Wrought-Iron Premium Sheep-Folding Hurdle.

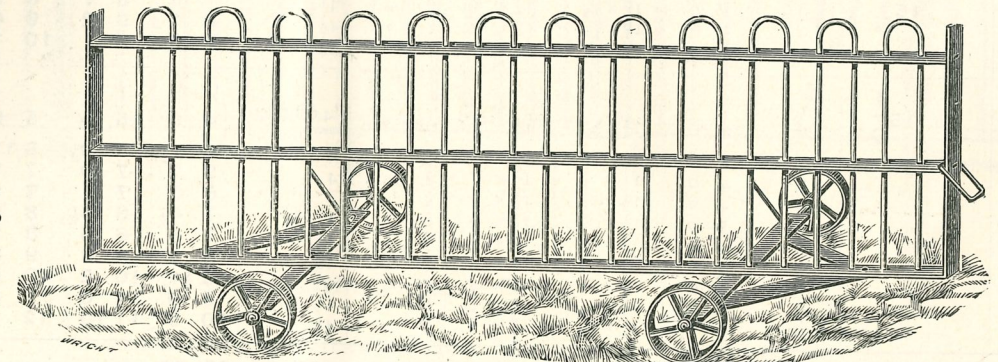
	Works.	London.	Dublin.
	5/3	5/11	6/0½



No. 14 L.—With T Iron Frame. 12ft. long by 3ft. 6in. high.

	Works.	London.	Dublin.
With Five Bars ...	19 0	20 6	21 0
" Six " ...	20 3	22 0	22 6

No. 14 N. The frame is of T iron. Prepared in the lower part as a lamb creep. Vertical rods are removable. Can be so placed as to allow lambs to get through, excluding their dams, or to exclude both.

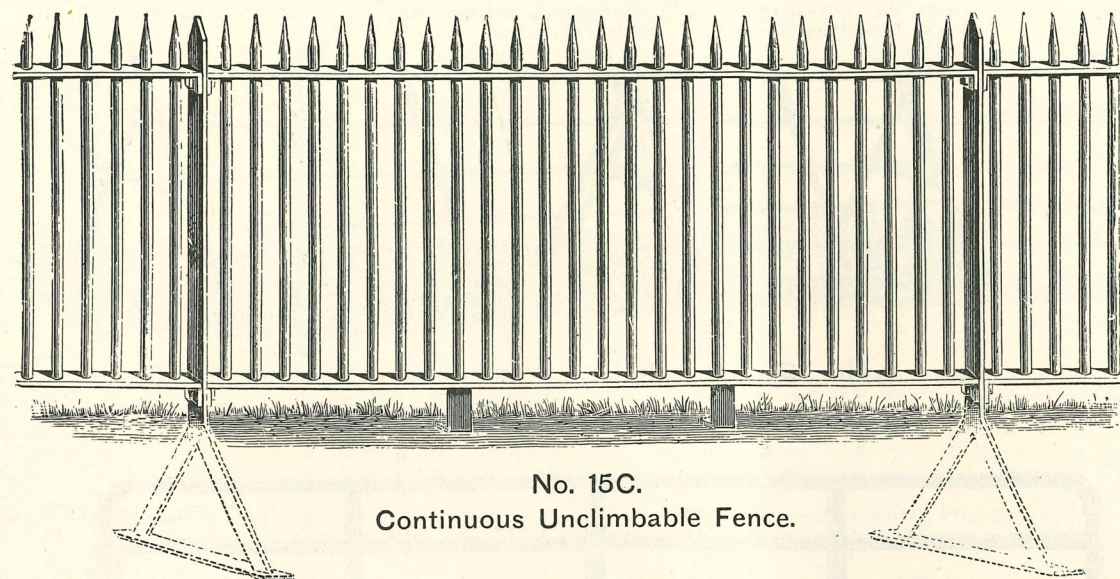


No. 14 M.—Ornamental, for Cricket Ground. 12ft. long by 3ft. 3in. high.

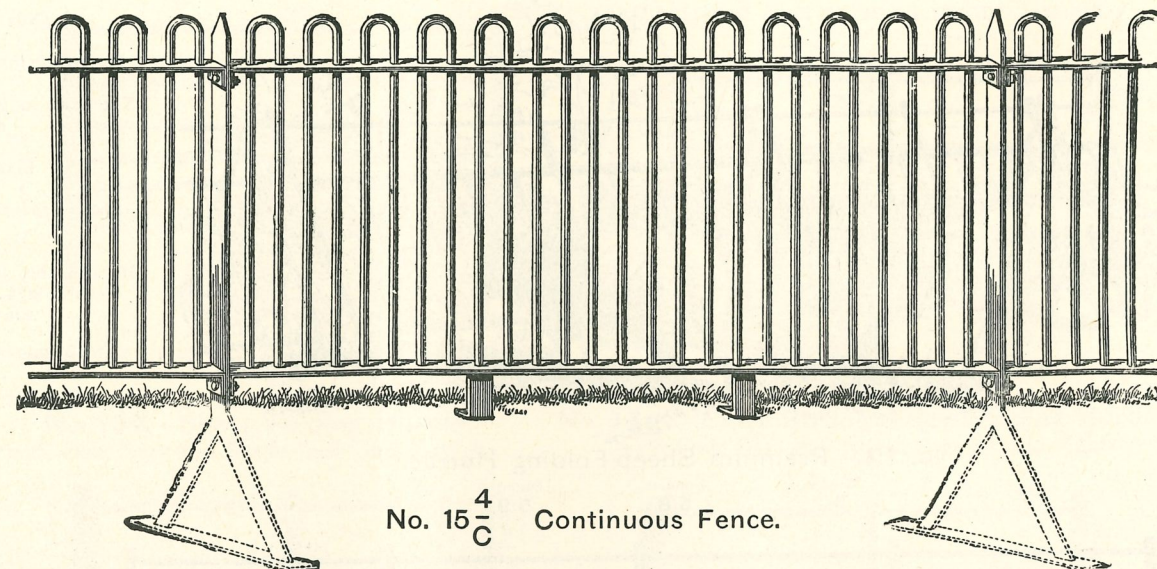
	Works.	London.	Dublin.
	23/6	25/6	26/6

Verticals, $\frac{1}{8}$ in. diameter.

Wrought-Iron Unclimbable and Ornamental Fences.



No. 15C.
Continuous Unclimbable Fence.



No. 15 $\frac{4}{C}$ Continuous Fence.

In some situations pointed tops may be objectionable in these Unclimbable Hurdles and Fences, in which case **bow tops, as shewn in above engraving, may be substituted without any increase of cost;** but this can only be done with the solid iron Fences. It is made in panels, same as preceding Fences.

Prices as No. 15C, 15 $\frac{1}{C}$, 15 $\frac{2}{C}$.

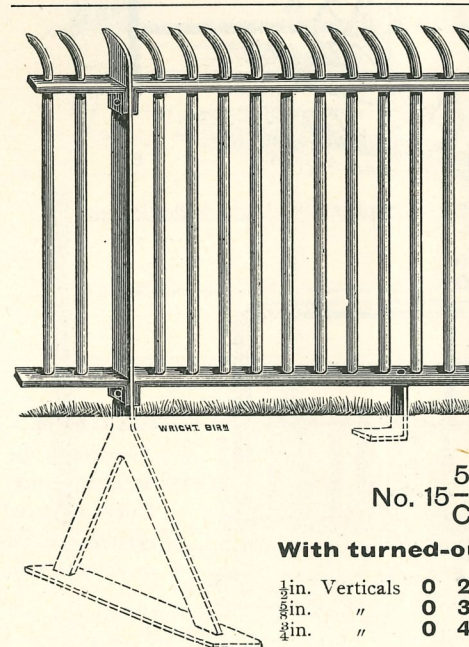
SPECIFICATION.

PRICES.

Estimate.		Length of Panel.	Height above Ground.	Horizontal Bars.	Standards.	Size of Verticals.	Distance apart of Verticals.	Works.	London.	Dublin.
Round Verticals.	No. 15C	ft. 9	ft. in. 4 0	in. in. 1 1/2 x 3/8	in. in. 1 1/2 x 3/8	in. 1/2 diam.	in. { 4 centre to centre	s. d. { 3 10	s. d. 4 4	s. d. 4 5 per yard.
	" 15 1/C	9	4 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	4 1 1/2	4 7 1/2	4 8 1/2 "
	" 15 1/C	9	4 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	5 2 1/2	5 10 1/2	6 0 1/2 "
	" 15 1/C	9	4 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	5 7	6 4	6 6 "
	" 15 1/C	9	5 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	6 1	6 11	7 1 "
	" 15 2/C	9	4 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	6 3	7 1	7 3 "
	" 15 2/C	9	4 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	6 10	7 9	7 11 "
	" 15 2/C	9	5 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	7 6	8 7	8 9 "
Square Verticals.	No. 15 3/C	9	4 0	1 1/2 x 3/8	1 1/2 x 3/8	1/2 square	{ 4 centre to centre	{ 4 9	5 4	5 6 "
	"	9	4 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	5 1 1/2	5 9 1/2	5 11 1/2 "
	"	9	4 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	6 2	7 0	7 2 "
	"	9	4 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	6 8	7 7	7 9 "
	"	9	5 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 "	7 4 1/2	8 4 1/2	8 5 1/2 "
	"	9	4 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	7 5	8 6	8 8 "
	"	9	4 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	8 2	9 3	9 6 "
	"	9	5 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	8 11	10 2	10 5 "
	"	9	5 6	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	9 8	11 0	11 3 "
	"	9	6 0	1 1/2 x 3/8	1 1/2 x 3/8	"	4 1/2 "	10 5	11 10	12 1 "

For Gates to match, see pages 33, 34, 39, 40.

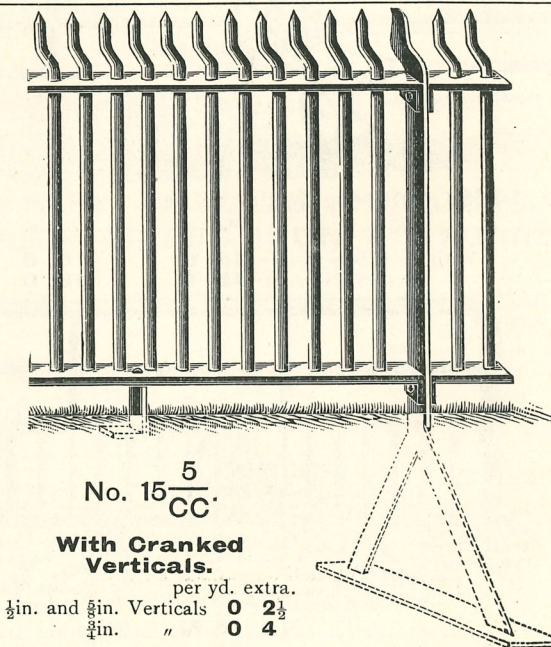
A line of barbed wire can be fixed 6in. above tops of any of these Fences, at 2d. per yard extra.



No. 15 $\frac{5}{C}$.

With turned-out Tops.

1/2 in. Verticals	0 2	per yd.
3/4 in. " "	0 3	extra.
1 in. " "	0 4	extra.



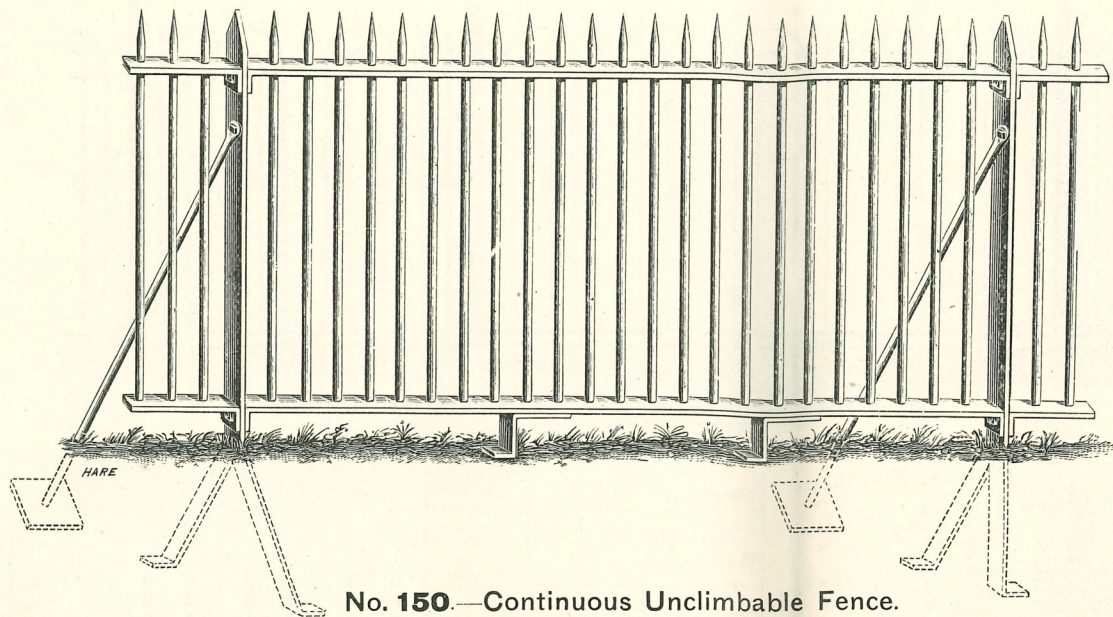
No. 15 $\frac{5}{CC}$.

With Cranked Verticals.

1/2 in. and 3/4 in. Verticals	0 2 1/2	per yd. extra.
1 in. " "	0 4	extra.

HILL & SMITH, BRIERLEY HILL IRON WORKS, STAFFORDSHIRE,

Wrought-Iron Unclimbable Fences—continued.

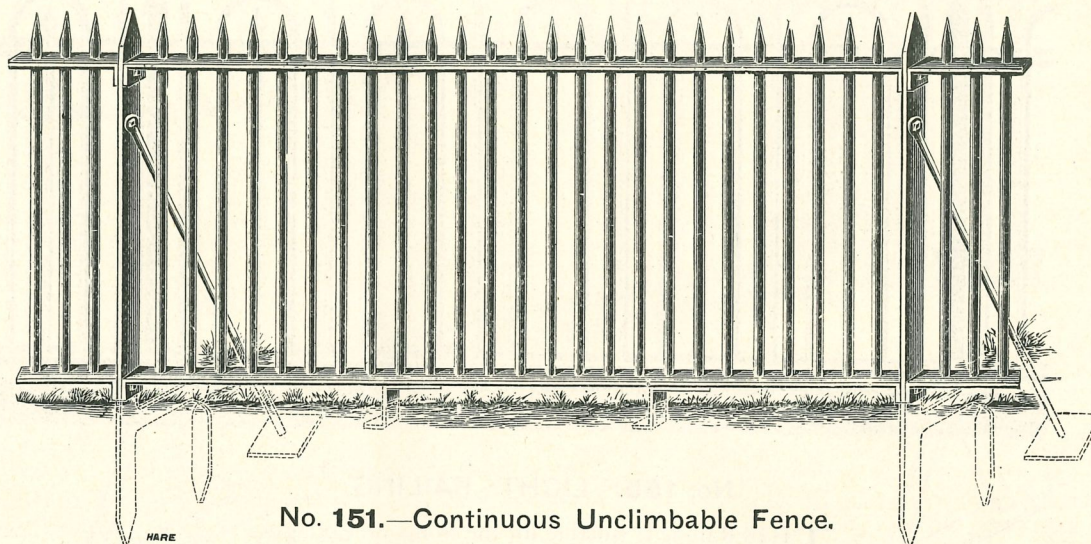


No. 150.—Continuous Unclimbable Fence.

ORDINARY FOOT.



Ball Tops,
6d. yard extra.



No. 151.—Continuous Unclimbable Fence.

BOUNDARY FOOT.

SPECIFICATIONS AND PRICES.

Height above Ground.	Size of Verticals, Diameter.	* Horizontal Bars, Standards and Stays.	Estimate.	Works.	London.	Dublin.	Estimate.	Works.	London.	Dublin.	Estimate.	Works.	London.	Dublin.
ft.	in.	in.		s. d.	s. d.	s. d.		s. d.	s. d.	s. d.		s. d.	s. d.	s. d.
4	1 1/2	1 1/4 x 3/8	150	3 9	4 3	4 4	151	3 8 1/2	4 2 1/2	4 3 1/2	152	3 9	4 3	4 4
4 1/2	1 1/2	"	150	4 1	4 7	4 8	151	4 0	4 7	4 8	152	4 1	4 7	4 8
4	1 1/2	1 1/2 x 3/8	150B	5 0	5 9	5 10	151B	4 11	5 7	5 9	152B	5 0	5 8	5 10
4 1/2	1 1/2	"	150B	5 6	6 3	6 5	151B	5 4	6 1	6 3	152B	5 4 1/2	6 0 1/2	6 2 1/2
5	1 1/2	"	150B	5 11	6 8	6 10	151B	5 9	6 6	6 8	152B	5 10	6 7	6 9
4	1 1/2	1 1/2 x 3/8	150C	6 6	7 4	7 6	151C	6 4	7 2	7 4	152C	6 6	7 5	7 7
4 1/2	1 1/2	"	150C	7 0	8 0	8 2	151C	6 11	7 11	8 1	152C	7 0	7 11	8 1
5	1 1/2	1 3/4 x 7/8	150C	7 8	8 9	8 11	151C	7 5	8 6	8 8	152C	7 8	8 9	8 11
5 1/2	1 1/2	"	150C	8 2	9 4	9 6	151C	8 1	9 3	9 5	152C	8 3	9 5	9 7
6	1 1/2	"	150C	8 10	10 1	10 3	151C	8 8	9 11	10 1	152C	8 11	10 2	10 5

*STANDARDS for 152 and 152B are T iron, 1 1/4 x 1 3/4 x 3/8 in.; and for 152C, 1 1/2 x 2 x 1/4 in.

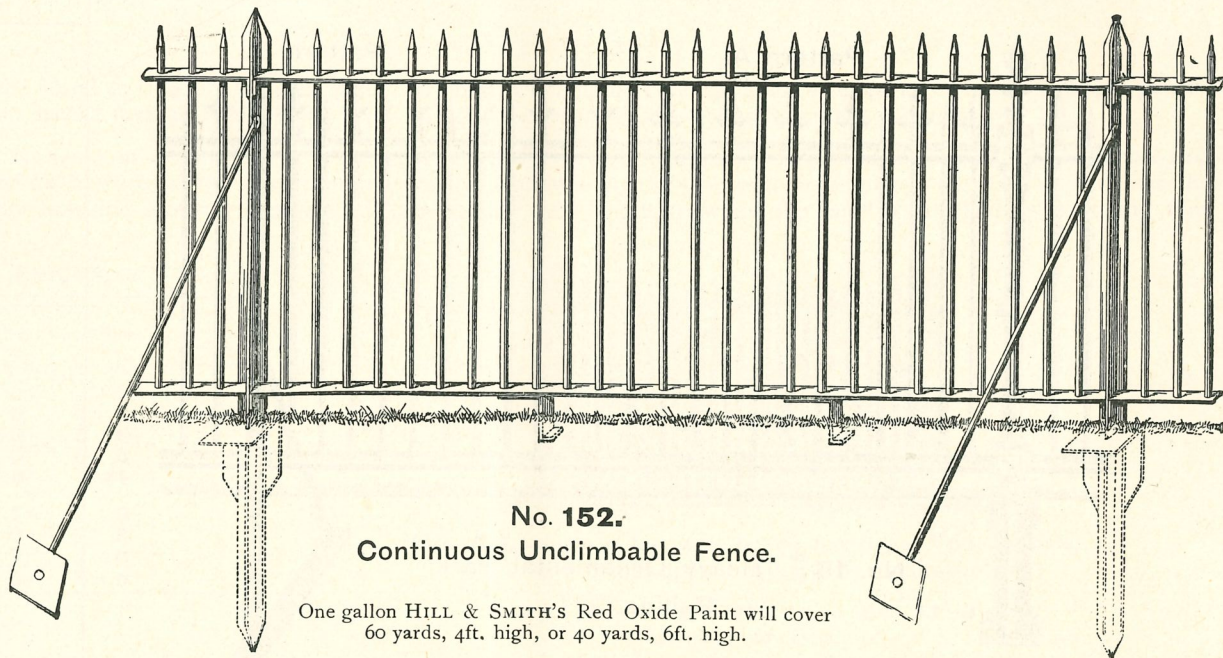
The VERTICALS in all the above fences are 4 inches apart in the clear.

STAYS are included in the price per yard; also EARTH-PLATES for No. 152 specification.

STANDARDS are 9ft. apart, in all cases.

When No. 150 pattern is ordered, "Ordinary" feet will be sent unless "Boundary" feet are asked for.

BOW or BLUNT TOPS may be had without extra price.



No. 152.
Continuous Unclimbable Fence.

One gallon HILL & SMITH'S Red Oxide Paint will cover
60 yards, 4ft. high, or 40 yards, 6ft. high.

AND 118, QUEEN VICTORIA STREET, LONDON, E.C.