

FORESTRY COMMISSION  
STANDARD LIST OF FOREST TOOLS (REVISED 1963)

NOTES

Introduction

The purpose of this list is:-

- (1) To guide those writing orders as to type, description and maker.
- (2) To standardise supply.
- (3) To minimise the use of makers' lists and catalogues.

Ordering Procedure

The procedure covering the preparation of annual estimates, the issue of demands and the placing of orders is set out in the Supply Code.

Departures from the standard list should normally not be made without prior consultation with H.Q. (This refers of course to major policy changes and not isolated and small exceptional purchases).

Reference

For communications within the Commission the Tool list page and item number may be used as a code reference. Orders on manufacturers must specify the exact description and quote the catalogue number, size, weight, etc., where more than one choice is possible.

Choice of tools recommended by Work Study Section is indicated by an asterisk\* in the appropriate column. In other cases the most popular size is indicated thus +.

In most instances an alternative manufacturer is quoted for use where the selected manufacturer is for any reason unable to meet the demand.

Revision

The revised list excludes many types and patterns formerly in supply. This is deliberate and is done in order to reduce the variety of tools and to simplify supply.

Where a non-standard item is considered necessary details should be submitted to H.Q. Purchasing Branch accordingly.

Similarly recommendation for addition or exclusion should be made in order to maintain a truly serviceable list.

Handles Points worth noting are:-

- (a) Before reshafting consider if the cost of the handle and labour are worthwhile in relation to that of a new tool.
- (b) Certain manufacturers (e.g. Elwells) supply replacement handles which fit the head precisely saving much time in shaping. If the tool is of known manufacture and pattern number it may be cheaper to go back to the maker rather than to a general handle maker.

- (c) When ordering manufacturers replacement handles it is essential to give full particulars of the type, pattern, size or weight of the tool together with dimensions of the eye and also the length, shape or type of handle required. Only if full particulars are given can a reasonable fit be expected.
- (d) When ordering from a general handle maker it is sufficient to give only the type, shape, length and dimensions of the eye.

#### Defective Tools and Complaints

It is the foresters responsibility to check that the tools he receives are of the correct type and up to standard. Where an incorrect type is supplied in error the goods should be returned to the supplier without delay and after he has been notified of the mistake.

Complaints regarding defects should be notified as soon as possible to the supplier. Certain manufacturers replace without requiring the return of defective items. Copies of such complaints should at the same time be passed to Conservancy Office and Tool Instructor.

It will be part of the duties of the Tool Instructors to comment on such complaints and recommend to Conservancy Office as may be necessary. Conservators will in turn advise H.Q. Purchasing Branch if it becomes evident that general action at that level is called for e.g. revision of the Tool List, change in pattern or change of supplier.

(E. R. LEWIS)  
Headquarters Purchasing Branch  
May, 1963.

C O N T E N T S

| <u>Type of Tool or operation</u>                      | <u>Page No.</u>     |
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INDEX TO MANUFACTURERS

| <u>Code</u>    | <u>Name</u>                                       | <u>Address</u>                                           |
|----------------|---------------------------------------------------|----------------------------------------------------------|
| (A)            | Austin & Dodson, Ltd.                             | Cambria Works, <sup>Done Street,</sup> Sheffield, 1.     |
| (AKD)          | Abingdon King Dick, Ltd.                          | Abingdon Works, Kings Road,<br>Tyseley, Birmingham, 11.  |
| (AM)           | Mr. V. N. Amies                                   | Blacksmith, Suffield, Hanworth,<br>Norwich, Nor. 387.    |
| (ARF)          | <sup>Amplifier Ltd.</sup>                         | <sup>Bentford Avenue, Wembley, Middx.</sup>              |
| (AR)           | Ardente Industrial Services                       | Ardente House, 2 Thames Ave.,<br>Windsor, Berks.         |
| (B)            | S. A. Baker (Engineers) Ltd.                      | Blackfriars Works, Salford 3,<br>Lancs.                  |
| (BB)           | Brown Bros., Ltd.                                 | Browns Buildings, Great Eastern<br>Street, London E.C.2. |
| (BE)           | John Bedford & Sons, Ltd.                         | Lion Works, Sheffield, 3.                                |
| (BH)           | Buck & Hickman Ltd.                               | 2/8 Whitechapel Road,<br>London, E.1.                    |
| (BN)           | <sup>Burton, McCall &amp; Co.</sup>               | <sup>55, Milford Road, Leicester</sup>                   |
| (BK)           | John Baker & Son                                  | Monmouth Works, Malinda St.,<br>Sheffield 3.             |
| (BR)           | Britool, Ltd.                                     | Britool Works, Bushbury,<br>Wolverhampton.               |
| (BST)          | Brades Skelton & Tysack Ltd.                      | Oldbury, Birmingham.                                     |
| (BY)           | R. Burley & Sons, Ltd.                            | 17-39 Fairley Street, Govan,<br>Glasgow, S.W.1.          |
| (C)            | Carborundum Co., Ltd.                             | Trafford Park, Manchester, 17.                           |
| (CF)           | Chieftain Forge Ltd.                              | Burnside Rd., Bathgate, West<br>Lothian.                 |
| (CL)           | Wm. Clark & Son                                   | Agricultural Engineer, Parkgate,<br>Dumfries.            |
| (CP)           | Canavon Partners, Ltd.                            | Avonmouth, Bristol.                                      |
| (CSP)          | Chain Saw Products Ltd.                           | Security Works, Formby, Liverpool.                       |
| (D)            | Danarm Ltd.                                       | Sladworks, Slad Rd., Stroud, Glos.                       |
| (DR)           | Drivall Ltd.                                      | 207 Crescent Road, New Barnet, Herts.                    |
| (E)            | E. Elwell Ltd.                                    | The Forge, Wednesbury, Staffs.                           |
| (EL)           | Elliott-Lucas, Ltd.                               | Churchbridge Works, Cannock, Staffs.                     |
| (ET)           | English Tools, Ltd.                               | Clarington Forge, Wigan, Lancs.                          |
| (FX)           | Factrex Products Ltd.                             | Fayson House, Horley, Surrey.                            |
| (G)            | Wm. Gilpin Senr. & Co., (Tools) Ltd.              | Churchbridge Works, Cannock, Staffs.                     |
| (GS)           | Gordian Strapping Ltd.                            | Gordian House, Browells Lane,<br>Feltham, Middx.         |
| <del>(H)</del> | <del>C. &amp; J. Hampton, Ltd.</del>              | <del>Parkway Works, Sheffield 9.</del>                   |
| (HA)           | Hyett Adams Ltd.<br>(Agents for Bushman & E.I.A.) | Stonehouse, Glos.                                        |

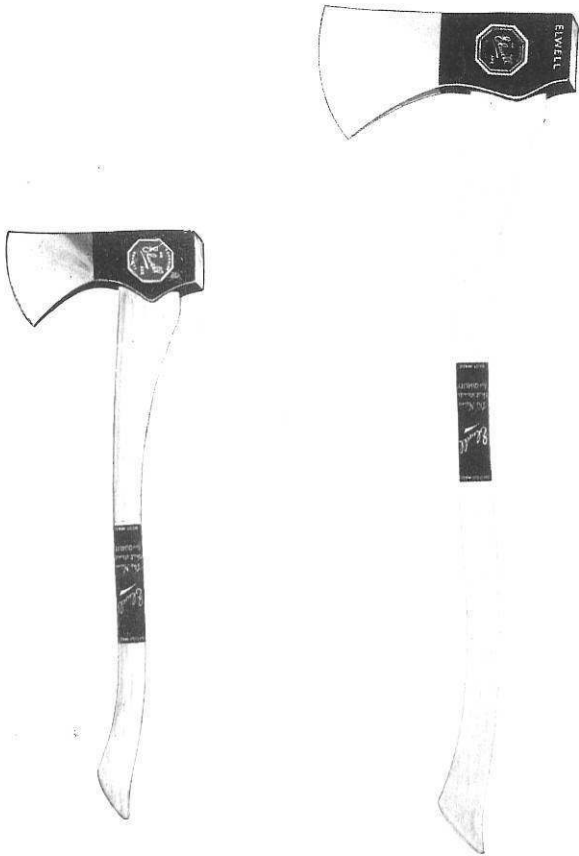
| Code  | Name                                                           | Address                                                                                                            |
|-------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| (HC)  | The Halford Cycle Co. Ltd.                                     | M. O. Dept., 271-273 Corporation St.<br>Birmingham. 4.                                                             |
| (HE)  | J. Hewitson                                                    | Blacksmith & General Engineer,<br>Steele Rd., Newcastleton, Rox.                                                   |
| (HL)  | Helmets Ltd.                                                   | Moat Factory, Wheathampstead,<br>Herts.                                                                            |
| (HN)  | <i>Mollon Nicholls &amp; Co. Ltd.</i>                          | <i>234 Birkbeck Road, Bickenham, Kent</i>                                                                          |
| (HP)  | <del>Hardypick Ltd.</del>                                      | <del>Sheffield, 8.</del>                                                                                           |
| (HU)  | Huwood Ltd.                                                    | Gateshead-on-Tyne 11.                                                                                              |
| (HW)  | R. Howie & Son, Ltd.                                           | Grain & Timber Merchants,<br>Dunlop, Ayrshire.                                                                     |
| (HZ)  | Thos. Hazeon & Co. Ltd.                                        | 74 Ruskin Avenue, Manor Park,<br>London E.12.                                                                      |
| (IG)  | Industrial Glove Co. Ltd.                                      | Nailsea, Somerset.                                                                                                 |
| (IS)  | Inverness Saw Service                                          | Academy St., Inverness.                                                                                            |
| (J)   | Jobu Sales (London) Ltd.                                       | 150 Fleet Street, London E.C.4.                                                                                    |
| (L)   | William Leith & Co. (Granton) Ltd.                             | West Harbour Road, Granton,<br>Edinburgh 5.                                                                        |
| (LY)  | Arthur Lyon & Co. (Engineers)<br>Ltd.                          | Park Works, Stamford, Lincs.                                                                                       |
| (ML)  | R. Melvin Ltd.                                                 | Sunnyside Foundry, Greenfield<br>Street, Alloa.                                                                    |
| (MR)  | William Marples <i>&amp; Sons Ltd.</i>                         | Hibernia Works, Westfield Terrace,<br>Sheffield, S1.37Q                                                            |
| (N)   | Charles Neil & Co. Ltd.                                        | Campbell Works, Bridge Street,<br>Sheffield 3.                                                                     |
| (NB)  | <del>North British Rubber Co. Ltd.</del>                       | <del>62-64 Horseferry Rd., London S.W.1.</del>                                                                     |
| (NM)  | T. Nimmo                                                       | Braehead, Fauldhouse, West Lothian.                                                                                |
| (NO)  | <i>James North &amp; Sons Ltd.</i>                             | <i>Industrial Estate, Glasgow, 10 Gt. St.</i>                                                                      |
| (OB)  | C. O. Oberg and Co.                                            | Order from Sandvik Swedish<br>Steels Ltd.                                                                          |
| (PD)  | <i>The Prisoner, A.C. Prison</i>                               | <i>Clamp Hill, Newport, Isle of Wight.</i>                                                                         |
| (PG)  | <del>Prison Department,<br/>Industries and Stores Branch</del> | <del>Home Office, Tolworth Tower,<br/>Surrey.</del>                                                                |
| (PFS) | Protective Footwear Service Ltd.                               | Lodge Road, Kingswood, Bristol.                                                                                    |
| (PI)  | Page Ironside Co.                                              | 1 Cheapside, Kilmarnock.                                                                                           |
| (PK)  | George Pike Ltd.                                               | Equipment Works, Alma Street,<br>Birmingham, 6.                                                                    |
| (PX)  | Pedex Ltd.                                                     | <i>Clifton House, 83-117 Euston Rd.,<br/>London N.W.1.</i>                                                         |
| (R)   | Bob Roberts                                                    | Engineering Blacksmith, Llys<br>Marian, Barlwyd Avenue, Oakeley<br>Square, Blaenau, Ffestiniog,<br>Merionethshire. |
| (RB)  | <del>Rabone Chesterman Ltd.</del>                              | <del>Hockley Abbey Works, Whitmore St.,<br/>Birmingham 18.</del>                                                   |

| Code    | Name                                                                                  | Address                                                                    |
|---------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| (S)     | Shepherd & Sons Ltd.                                                                  | Burscough, Near Ormskirk, Lancs.                                           |
| (SC)    | <i>Synchemicals Ltd.</i>                                                              | <i>422 Eastborough Rd, Westcliffe-on-Sea,</i>                              |
| (SH)    | Stanton Hope                                                                          | <i>Elm Chambers, 69 Elm Rd., East</i><br><i>Leigh-on-Sea, Essex.</i>       |
| (S & J) | Spear & Jackson Ltd.                                                                  | Aetna Works, Savile Street East,<br>Sheffield 4.                           |
| (SK)    | Skinner & Johnson Ltd.                                                                | Ranskill, Nr. Retford, Notts.                                              |
| (SM)    | <i>Superior Rubber Manufacturing Co. Ltd.</i>                                         | <i>Harwick Road, Barking, Essex.</i>                                       |
| (SS)    | Slack Sellars & Co., Ltd.                                                             | Townhead Works, Mowbray Street,<br>Sheffield 3.                            |
| (ST)    | J. H. Steward Ltd.                                                                    | 406 Strand, London W.C.2.                                                  |
| (STA)   | <del>Stanley Works (Great Britain)</del><br>Ltd.                                      | <del>Sheffield.</del>                                                      |
| (STD)   | Sheffield Twist Drill & Steel<br>Co. Ltd.                                             | Summerfield Street,<br>Sheffield, 11.                                      |
| (STN)   | <i>W. F. Stanley &amp; Co. Ltd.</i>                                                   | <i>51 Broomfield St. Glasgow</i>                                           |
| (STO)   | Stobart & Son Ltd.                                                                    | <i>29 Upper Thames St.,</i><br><del>29 New Bridge St., London E.C.4.</del> |
| (STP)   | St. Pancras Sheltered Workshops<br>(Greater London Council)                           | 45 Holmes Rd., London N.W.5.                                               |
| (SV)    | <sup>U.K.</sup><br>Sandvik <del>Swedish</del> Steels Ltd.<br>(Agents for Oberg Files) | Manor Lane, Halesowen,<br>Birmingham.                                      |
| (SW)    | <del>South Western Woodlands</del><br>Association Ltd.                                | <del>31 High St., Bruton, Somerset.</del>                                  |
| (SY)    | W. Saynor Ltd.                                                                        | 98 Milton Street,<br>Sheffield 3.                                          |
| (T)     | W. Tyzack & Sons & Turner Ltd.                                                        | Little London Works,<br>Sheffield 8.                                       |
| (UG)    | <i>Universal Grinding Wheel Co. Ltd.</i>                                              | <i>Universal Works, Stafford</i>                                           |
| (UN)    | <i>Universal Ltd.</i>                                                                 | <i>62-64 Broadway Rd, London S.W.1.</i>                                    |
| (WD)    | Wilkins & Denton Ltd.                                                                 | Totector House, Rushden, Northants.                                        |

ALPHABETICAL INDEX OF TOOLS LISTED

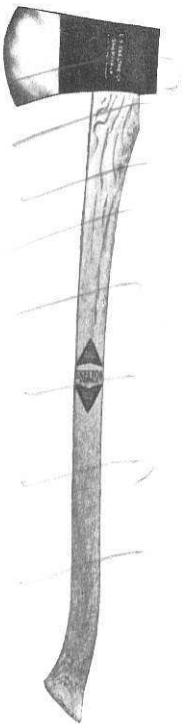
| <u>Item</u>                                  | <u>Page<br/>No.</u> | <u>Item</u>                    | <u>Page<br/>No.</u> |
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| <u>A</u> Anvil                               | 27                  | Guards                         | 30                  |
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| Pinches                    | 21                       | Spades                  | 8, 15, 22                |
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| " Holer                    | 9                        |                         |                          |



1. Trimming or Snedding Axe

2. Felling Axe



3. Wedge Axe



4. Slimline Axe (1 3/4 lb.)

4. Slimline Axe (2 lb.)



5. Clearing Axe

A X E S

NOTES: When ordering axes specify length of shaft required.

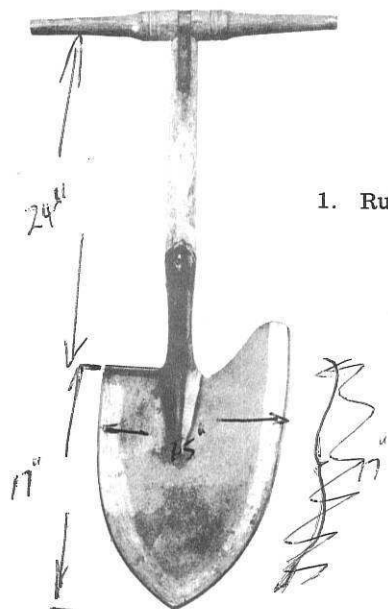
When ordering spare shafts quote length required and state type and weight of the axe head.

Spare shafts are available from Messrs. Oates and Burley as well as from the makers.

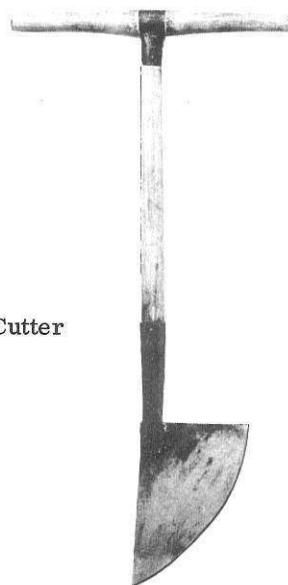
*Shepherd & Sons Ltd & Burley & Sons Ltd*

| <u>Item</u> | <u>Description</u>                   | <u>Size</u>                  | <u>Catalogue<br/>Ref. and<br/>Maker</u>   | <u>Remarks</u>                                                       |
|-------------|--------------------------------------|------------------------------|-------------------------------------------|----------------------------------------------------------------------|
| 1           | Trimming or Snedding Axe             | 3* & 4 lb.                   | <sup>6224</sup><br>5351(E)                | 28" shaft.<br>Recommended<br>for thinning.                           |
| 2           | Felling Axe<br>(English or Rounding) | 4 & 5 lb.<br>5 lb.           | <sup>6209</sup><br>2150(E)<br>A.6 (G)     |                                                                      |
|             | Shafts, Fawn Foot                    | 30"                          | (O)(BY)(E)*                               | 30" for<br>thinnings                                                 |
|             | " " "                                | 36"                          |                                           |                                                                      |
|             | " Straight                           | 36"                          |                                           |                                                                      |
| 3           | Wedge Axe<br>(Canadian or Yankee)    | 3, 3½, 4, )<br>4½, 5, 6 lb.) | 4010R(E)<br>A.12 (G)                      |                                                                      |
|             | Shafts, Fawn Foot                    | 30"                          | (O)(BY)(E)                                | 30" for<br>thinnings                                                 |
|             | " " "                                | 36"                          |                                           |                                                                      |
| 4           | Slimline Axe                         | 1¾ lb.<br>2 lb.              | 5405P(E)*<br>5405T(E)*<br><sup>6227</sup> | 24" shaft<br>27" shaft<br>Recommended<br>for use with<br>chain saws. |
| 5           | Clearing Axe                         | 7"                           | 1(SV)                                     | 28" overall                                                          |
|             | Spare blades                         |                              | 2(SV)                                     | Packed in<br>10's.                                                   |

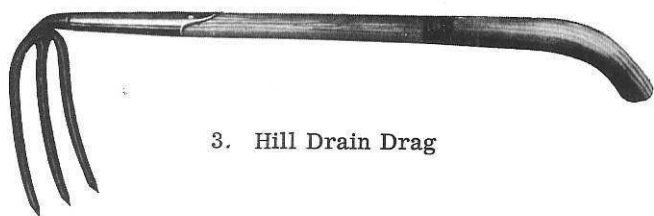
Note Rubber guards are available from Nile End Depot for use with item 4.



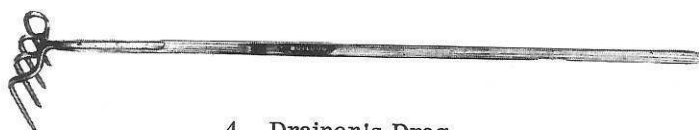
1. Rutter Spade



2. Side Cutter



3. Hill Drain Drag



4. Drainer's Drag



5. Foot Iron



6. Square Drain  
Bottoming Spade



7. Diamond Pointed  
Drain Shovel

DRAINING TOOLS

| <u>Item</u> | <u>Description</u>                                       | <u>Size</u>                                            | <u>Catalogue Ref. and Maker</u> | <u>Remarks</u>                                                                              |
|-------------|----------------------------------------------------------|--------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------|
| 1           | Rutter spade L.F. and R.F.<br><br>L.F., R.F. or flat top | 19" x 15"<br>21" x 15"<br><br>16 $\frac{1}{2}$ " x 15" | (D)(CF)<br><br>763(SK)          | <i>Weight 16-17 lb</i><br><br><i>Remounted for drain up to 18" deep.</i><br>Straight backed |
| 2           | Side cutter                                              |                                                        | (SK)                            | For drain maintenance                                                                       |
| 3           | Hill drain drag                                          | -                                                      | (ET)<br>2411(P)<br>(D)(CF)      | 33", 36", 42"<br>overall length<br>3 pronged                                                |
| 4           | <del>4</del> Drainers' drag                              | 4 prong                                                | 6700(ET)<br>6772(P)             | 6' handle                                                                                   |
| 5           | Foot irons                                               | 4"                                                     | 487(BST)                        | Packaged in 6's                                                                             |
| 6           | Square drain bottoming spade                             | 14" x 6"<br>x 6"                                       | (D)(CF)                         |                                                                                             |
| 7           | Diamond pointed drain shovel                             | -                                                      | (D)(CF)                         | For clay                                                                                    |

Note. See page 10 item 2 for manure fork.  
See page 20 item 1 for shovels.



1. Mauls, Elm



2. Stake Driving Hammer



4. GPO Rabbiting Tool



5. GPO Post Hole Spoon



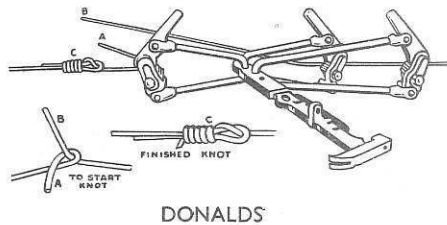
3. Post Driver



6. Shuv Breaker



7. Shuv Holer



8. Wire strainer



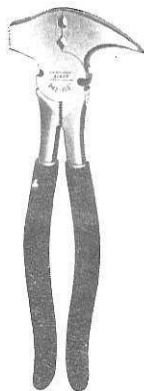
9. Scotch Screw Eyed Auger



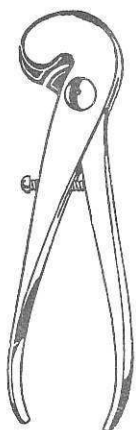
10. Rapid Eyed Auger



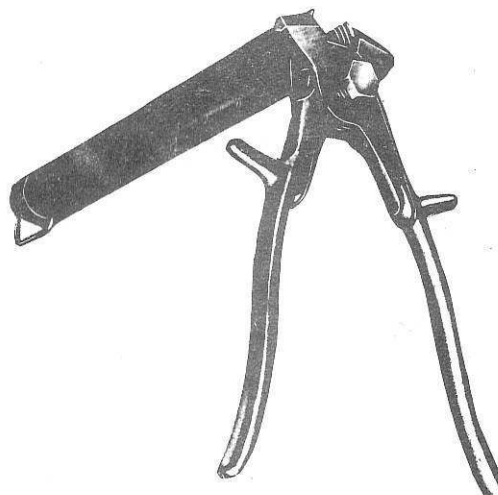
11. Combination Pliers



12. Combined Fencing Tool



13. Wire Cutters



15. Ring Fastener Gun

FENCING EQUIPMENT

| <u>Item</u>                                                                                          | <u>Description</u>                                                                       | <u>Size</u>                                                           | <u>Catalogue<br/>Ref. and<br/>Maker</u>               | <u>Remarks</u>                                             |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|
| 1                                                                                                    | Mauls, Elm<br>(ringed)                                                                   | 6" x 10" x 7 $\frac{1}{2}$ "<br>6" x 13" x 8"                         | 140(PK)                                               | 36" handle<br>42" "                                        |
| 2                                                                                                    | Stake driving<br>hammer                                                                  | 7 lb. & 14 lb.                                                        | <del>8190(S)</del><br><del>8190H(S)</del><br>639(8ST) | Heads only.<br>Fitted 36"<br>Ash handles<br><i>Hickory</i> |
| 3                                                                                                    | Post drivers (Drivall)<br>For 3" T.D. stobs<br>For 3" x 3" "                             | 3 $\frac{3}{4}$ " diam.<br>4 $\frac{3}{4}$ " "                        | No.4(DR)<br>No.5(DR)                                  | 1 man<br>2 man                                             |
| Two hole digging systems are available -<br>either items 4 + 5 (rod type) or 6 + 7<br>(scissor type) |                                                                                          |                                                                       |                                                       |                                                            |
| 4                                                                                                    | G.P.O. <del>rabbiting</del> <sup>subbiting</sup> tool with<br>6 ft. steel tubular handle |                                                                       | (ET)                                                  | For<br>loosening<br>soil                                   |
| 5                                                                                                    | G.P.O. Post hole spoon                                                                   |                                                                       | (ET)                                                  | For lifting<br>out spoil                                   |
| 6                                                                                                    | Shuv-breaker                                                                             |                                                                       | (DR)                                                  | For<br>loosening<br>soil                                   |
| 7                                                                                                    | Shuv-holer                                                                               |                                                                       | (DR)                                                  | For lifting<br>out                                         |
| 8                                                                                                    | Wire strainers:- Monarch<br>Donalds                                                      |                                                                       | (PI)<br>(NM) or (DR)                                  |                                                            |
| 9                                                                                                    | Scotch Screw<br>eyed auger                                                               | 1" x 1/16" to 1"<br>1" x 1/8" to 2"<br>2" x 1/4" to 2 $\frac{1}{2}$ " | 8(G)                                                  |                                                            |
| 10                                                                                                   | Rapid eyed auger                                                                         | 1" x 1/16" to 1"<br>1" x 1/8" to 1 $\frac{1}{2}$ "                    | 10K(G)                                                |                                                            |
| 11                                                                                                   | Combination pliers                                                                       | 6", 7" & 8"<br>12"                                                    | R1301(S&J)<br>A153 (EL)                               |                                                            |
| 12                                                                                                   | Combined fencing tool                                                                    | 10 $\frac{1}{2}$ "                                                    | A94(EL)                                               |                                                            |
| 13                                                                                                   | Wire cutters                                                                             | 8"                                                                    | (PI)                                                  | Cuts up to<br>5g.                                          |
| 14                                                                                                   | Metal shafted hammer                                                                     | 16<br>20 oz.                                                          | ST 1 $\frac{1}{2}$ (BB)<br>ST.I.(STA)                 |                                                            |
| 15                                                                                                   | Ring fastener gun*<br>with packets of<br>1000 fasteners                                  |                                                                       | (GS)                                                  | For clipping<br>netting to<br>wire                         |
| 16                                                                                                   | <i>Labbe cutters</i>                                                                     | <i>4 1/2" C7</i>                                                      | <i>(BM)</i>                                           |                                                            |

Note. See page 21, item 5 for cross bars 5 $\frac{1}{2}$ " x 1"  
recommended for fencing.



1. Digging Fork



2. Manure Fork



3. Hay Fork



5. Garden Rake



4. Stone Fork



6. Dutch Hoe

FORKS, RAKES AND HOES

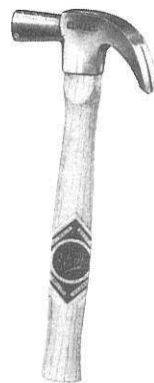
| <u>Item</u> | <u>Description</u> | <u>Size</u>                                                                       | <u>Catalogue<br/>Ref. and<br/>Maker</u>                | <u>Remarks</u>                         |
|-------------|--------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------|
| 1           | Digging fork       | 4 prong 8" x 13" )<br>5 " 9" x 13" )                                              | R298(S&J)                                              | (T or YD<br>(29" handle                |
|             | " "                | 4 prong 7 $\frac{1}{2}$ " x 8" x 13"<br>5 " 8 $\frac{1}{2}$ " x 9" x 13"          | <sup>354</sup><br><del>743</del> (BST)<br>354-356(BST) | (Various<br>(handles<br>(28" standard  |
| 2           | Manure fork        | 4 prong 9 $\frac{1}{2}$ " x 13" )<br>5 " 9 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ " ) | R331(S&J)                                              | 48" handle                             |
|             |                    | 4 prong 8 $\frac{1}{2}$ " x 9" x 13"                                              | <sup>374</sup> (BST)<br><del>5074</del> (S)            | " "                                    |
| 3           | Hayfork            | 2 prong<br>9" to 14"                                                              | R478(S&J)                                              |                                        |
| 4           | Stone fork         | 8 prong 14" x 12" )<br>10 " 14" x 13" )                                           | R122(S&J)                                              | 30" T Handle                           |
|             |                    | 8 prong 12 $\frac{1}{2}$ " x 14"<br>10 " 13 $\frac{1}{2}$ " x 14"                 | <sup>604</sup> (BST)<br><del>5574</del> (S)            | 28" T Handle                           |
| 5           | Garden rake        | 8, 10, 12 and 14<br>teeth                                                         | G658(S&J)                                              | Heads only<br>or 4'6" or<br>5' handle  |
|             |                    | 8, 10, 12, 14 and 16<br>teeth                                                     | <sup>G100</sup> (ET)<br><del>G-103(P)</del>            | Heads only<br>or 4' 6" or<br>5' handle |
| 6           | Solid dutch hoe    | 4" x 1" to 8"                                                                     | R782(S&J)                                              | Heads only                             |
|             |                    | 4" x 1" to 7"                                                                     | <sup>464</sup> (BST)<br><del>494</del> (BST)           | " "                                    |



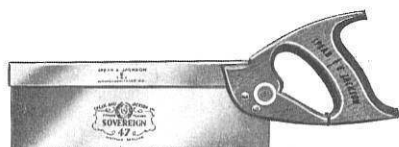
1. Ball Pein Hammer



2. Claw Hammer



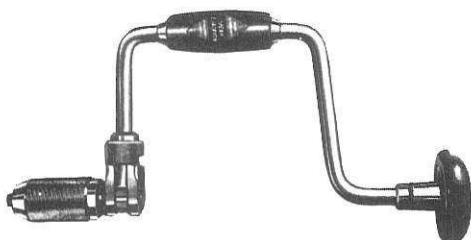
3. Adze Eye Claw Hammer



4. Back Saw



5. Hand Saw



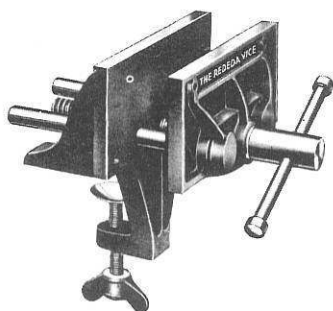
8. Ratchet Brace



7. Jennings Bit



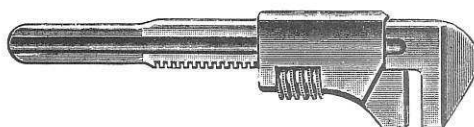
9. Firmer Chisel



10. Parallel Bench Vice



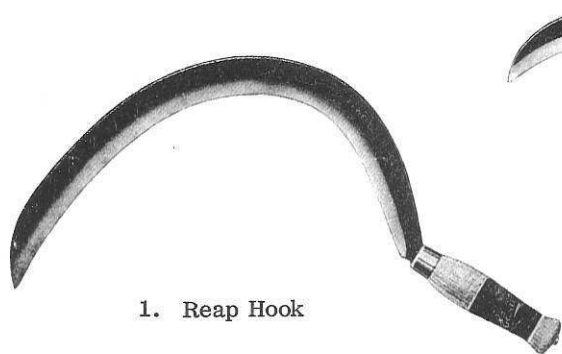
11. Pipe Wrench



12. Adjustable Wrench

GENERAL PURPOSE TOOLS

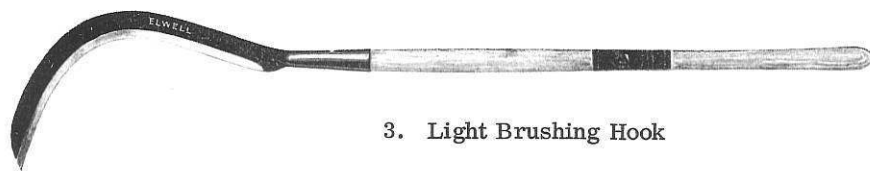
| <u>Item</u> | <u>Description</u>           | <u>Size</u>                                                                                                | <u>Catalogue<br/>Ref. and<br/>Maker</u>                  | <u>Remarks</u>                                                                                                            |
|-------------|------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1           | Ball pein Engineer Hammer    | $\frac{1}{4}$ lb x<br>$\frac{1}{4}$ lb to<br>$1\frac{1}{4}$ lb.                                            | 200A(G)                                                  | Wooden handled                                                                                                            |
|             |                              | $\frac{1}{4}$ lb x<br>$\frac{1}{4}$ lb to 2 lb                                                             | <sup>9820</sup><br>645(E)                                | " "                                                                                                                       |
| 2           | Claw hammer (Farmers')       | 12, 16 &<br>24 oz.                                                                                         | G84(S&J)                                                 | " "                                                                                                                       |
| 3           | Adze eye claw hammer         | 16, 20 &<br>24 oz.                                                                                         | <sup>9821</sup><br>653(E)                                | " "                                                                                                                       |
| 4           | Back saw (Tenon)             | 10", 12" & 14"<br>14" & 16"                                                                                | G47(S&J)<br>308 (SV)                                     | 11 points/inch                                                                                                            |
| 5           | Hand saw                     | <del>14", 18"</del> & 22"                                                                                  | 293 (SV)                                                 | <i>Filem of universal<br/>tooth</i>                                                                                       |
|             | Crosscut                     | 26"                                                                                                        | 275(SV)                                                  | 6 or 7 points/<br>inch                                                                                                    |
|             | <i>RIP</i><br>Zip            | 26"                                                                                                        | " "                                                      | 5 $\frac{1}{2}$ points/inch                                                                                               |
| 6           | Screwdriver                  | Various                                                                                                    | (S&J)                                                    | Not illustrated                                                                                                           |
| 7           | Jennings Bit                 | $\frac{1}{4}$ ", $\frac{1}{2}$ " x $\frac{1}{8}$ "<br>to 1"                                                | R335(S&J)                                                |                                                                                                                           |
| 8           | Ratchet brace                | 10" sweep<br>8", 10", 12"<br>& 14"                                                                         | R553(S&J)<br><del>73 (STA)</del>                         |                                                                                                                           |
| 9           | Firmer chisel bottle<br>neck | 3/16" to 1 $\frac{1}{2}$ "                                                                                 | R1(S&J)<br>(MR)                                          |                                                                                                                           |
| 10          | Parallel Bench Vice          | 6" jaws                                                                                                    | 33(N)                                                    |                                                                                                                           |
| 11          | Pipe Wrench (stillson)       | 8" length<br>10"<br>14"<br>18"<br>24"<br>36"<br>48"                                                        | Fig. 300(H)                                              | To grip $\frac{3}{4}$ " pipe<br>1" "<br>1 $\frac{1}{2}$ " "<br>2" "<br>2 $\frac{1}{2}$ " "<br>3 $\frac{1}{2}$ " "<br>5" " |
| 12          | Adjustable Wrench            | <sup>7" opens</sup><br>6" - 10"<br><sup>1<math>\frac{1}{2}</math>"</sup><br><sup>2"</sup><br><sup>3"</sup> | <sup>401 R (BB)</sup><br>35(BR)<br><sup>401 T (BB)</sup> |                                                                                                                           |
| 13          | Combination Pliers           | 6", 7" & 8"                                                                                                | R1301(S&J)                                               | (Illustrated<br>on P.9)                                                                                                   |



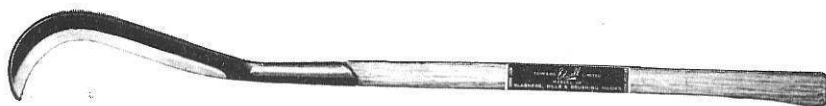
1. Reap Hook



2. Bean Hook



3. Light Brushing Hook



4. Heavy Brushing Hook



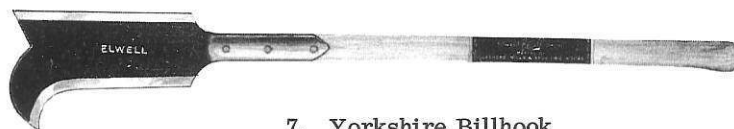
5. Slasher (8'')



5. Slasher (10'')



6. Alford Slasher



7. Yorkshire Billhook



8. Newtown Billhook

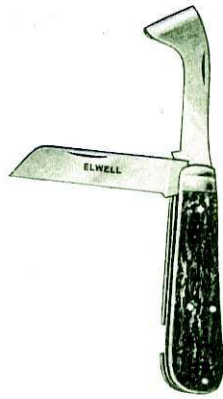


9. Kent Billhook

HOOKS AND SLASHERS

| <u>Item</u>                                                                       | <u>Description</u>     | <u>Size</u>               | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|------------------------|---------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                 | Reap Hook              | 14" (No.2)                | 8400(E)*                                | 6" handle                                                                                                                                                                                                                 |
|                                                                                   |                        | 14 $\frac{1}{2}$ " "      | Fussell 687(BST)                        | 9" "                                                                                                                                                                                                                      |
|                                                                                   |                        | 13" (No.3)                | 8411(E)                                 | 6" "                                                                                                                                                                                                                      |
|                                                                                   |                        |                           | 9101(E)                                 | 12" "                                                                                                                                                                                                                     |
| 2                                                                                 | Bean Hook              | 14"                       | Harrison 795(BST)                       | 12" handle                                                                                                                                                                                                                |
|                                                                                   |                        | 15"                       | 8408(E)                                 | 6" "                                                                                                                                                                                                                      |
|                                                                                   |                        | 15 $\frac{1}{2}$ "        | 8415(E)                                 | 9" "                                                                                                                                                                                                                      |
| 3                                                                                 | Light Brushing<br>Hook | 16"                       | 8306(E)*                                | 24"* or 30" handle                                                                                                                                                                                                        |
|                                                                                   |                        | 16 $\frac{1}{2}$ "        | 8300(E)                                 | 36" handle                                                                                                                                                                                                                |
|                                                                                   |                        | 15"                       | 8304(E)                                 | " "                                                                                                                                                                                                                       |
|                                                                                   |                        | 13 $\frac{1}{2}$ " (No.2) | Harrison 785(BST)                       | 30" or 36" handle                                                                                                                                                                                                         |
|                                                                                   |                        | 12" (No.4)                | Harrison 780(BST)                       | 36" handle                                                                                                                                                                                                                |
| 4                                                                                 | Heavy Brushing<br>Hook | 15 $\frac{3}{4}$ "        | 8203(E)*                                | 30" or 36" hickory<br>handle - Note the                                                                                                                                                                                   |
|                                                                                   |                        | 15 $\frac{3}{4}$ "        | <del>4991</del> <sup>3216</sup> (E)     | Elwell <del>4991</del> <sup>3216</sup> is the<br>same as the <del>3801</del> <sup>3203</sup><br>except that it<br>has a rounded instead<br>of a pointed end and<br>supplied with ring at end of<br>fitting to the handle. |
| N.B. For the above tools the blade size is measured straight across<br>the mouth. |                        |                           |                                         |                                                                                                                                                                                                                           |
| 5                                                                                 | Slasher                | 8"                        | 8213(E)*                                | 22" hickory handle*                                                                                                                                                                                                       |
|                                                                                   |                        | 10"                       | 8209(E)*                                | 30" or 36" hickory<br>handle                                                                                                                                                                                              |
| 6                                                                                 | Alford Slasher         | 10"                       | 8210(E)                                 | 30" hickory handle                                                                                                                                                                                                        |
|                                                                                   |                        |                           | 782(BST)                                | " " "                                                                                                                                                                                                                     |
| 7                                                                                 | Yorkshire<br>Billhook  | 8" and 10"                | 8182(E)*                                | Hickory handle                                                                                                                                                                                                            |
|                                                                                   | Handle sizes           | 14"*, 30"*<br>and 36"     |                                         |                                                                                                                                                                                                                           |
| 8                                                                                 | Newtown Billhook       | 10"                       | 8127(E)                                 | 6" handle                                                                                                                                                                                                                 |
| 9                                                                                 | Kent Billhook          | 10"                       | 8128(E)                                 | 6" handle                                                                                                                                                                                                                 |
| 10                                                                                | "S" Hook (Notified)    |                           | SK                                      | 19" handle. Heavy<br>scrub cutting.                                                                                                                                                                                       |

NOTE:- For Dutch weeding Scythe, see page 19.



5. Timber Scribe with Blade



7. Timber Scribe

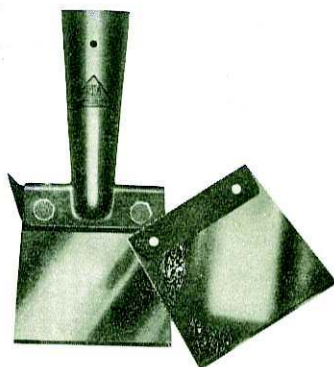


8. Hand Tally Counter

MEASURING EQUIPMENT

| <u>Item</u>                                                                                                                                                | <u>Description</u>                                                                         | <u>Size</u>                    | <u>Catalogue</u><br><u>Ref. and</u><br><u>Maker</u>      | <u>Remarks</u>                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------|--------------------------------|
| <u>Tapes - plastic coated with metal threads (no illustrations)</u>                                                                                        |                                                                                            |                                |                                                          |                                |
| 1                                                                                                                                                          | Girthing Tapes<br>(quarter girth only)                                                     | 3', 6'                         | 453 (RB)                                                 | via HQ.                        |
| 2                                                                                                                                                          | Girthing and Measuring<br>Tapes (feet and inches)<br>one side, quarter girth<br>the other) | 9' & 12'                       | 454 (RB)                                                 | via HQ                         |
| <p><u>NOTE:-</u> If swivel hooks or fixed hooks are required<br/>for items 1 and 2, the letters SH or FH<br/>respectively should be added to catalogue</p> |                                                                                            |                                |                                                          |                                |
| 3                                                                                                                                                          | Measuring Tapes<br>(with cases)                                                            | 100'<br>66'                    | <sup>(ST)E+W</sup><br>281/1(RB)<br><sup>(STN)S</sup>     | Fibron in<br>leather case      |
| 4                                                                                                                                                          | Measuring Tapes<br>(refills only)                                                          | 100'<br>66'                    | RF 271/1 <sup>(ST)E+W</sup><br>(RB)<br><sup>(STN)S</sup> | Fibron                         |
| <u>Scribes (Timber)</u>                                                                                                                                    |                                                                                            |                                |                                                          |                                |
| 5                                                                                                                                                          | Hand Timber Scribe<br>(with blade)<br>(with hand guard)                                    | -                              | 7a(ST)<br>5a(ST)                                         | Folding model<br>(not illust.) |
| 6                                                                                                                                                          | Folding Scribe -<br>(Dominicus)                                                            |                                | Via H/Qs                                                 |                                |
| 7                                                                                                                                                          | Scribe, for measuring<br>rods                                                              |                                | (HE)<br>(AM)                                             |                                |
| 8                                                                                                                                                          | Hand Tally Counter                                                                         |                                | 4244 (ST)                                                |                                |
| 9                                                                                                                                                          | Numbered Tags                                                                              | Sets of 1,000<br>from 1-10,000 | (STO)                                                    |                                |
| 10                                                                                                                                                         | Timber Scribe<br>(Superior Air Mark)                                                       |                                | (ST)                                                     |                                |

Items 3 and 4 - England & Wales - J. H. Steward Ltd.  
- Scotland - W. F. Stanley & Co. Ltd.



2. Peeling spade and spare blade



3. Handle for above



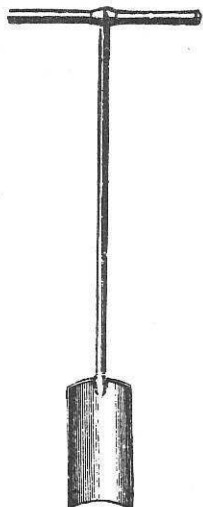
4. Draw knife

PEELERS

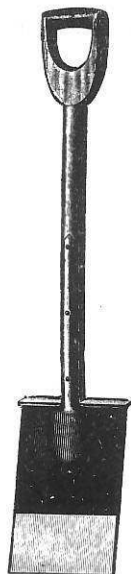
| <u>Item</u>                                                    | <u>Description</u>          | <u>Size</u>      | <u>Catalogue</u><br><u>Ref. and</u><br><u>Maker</u> | <u>Remarks</u>      |
|----------------------------------------------------------------|-----------------------------|------------------|-----------------------------------------------------|---------------------|
| 1                                                              | Swedish type                | -                | 975(SV)*                                            | For peeling poles   |
|                                                                | Spare blades                | *2.5 mm<br>thick | 977(SV)                                             | Packaged in 10's.   |
| 2                                                              | Swedish type (without hook) | -                | 227 (M)*                                            | For peeling poles   |
|                                                                | Swedish type with hook      |                  | 227 V (H.A.)                                        |                     |
|                                                                | Spare blades                | 2.75 mm<br>thick | -                                                   | } Order "for 227"   |
|                                                                |                             | *1.5 mm<br>thick | -                                                   |                     |
| note: Spare blades will fit the discontinued SV No 975 peeler. |                             |                  |                                                     |                     |
| 3                                                              | Handles for above types     | 40"              | (O)(S)                                              | Plain or varnished* |
| 4                                                              | Draw knife                  | 8", 10"<br>12"   | 75(G)                                               | Special poles       |



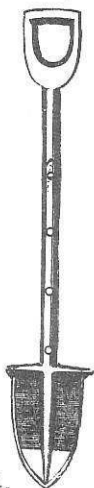
Mansfield Planting Spade - Treaded.



2. Semicircular Planting Spade.



3. Planting Spade.



4. Schlich Vertical Notching Spade - Treaded.



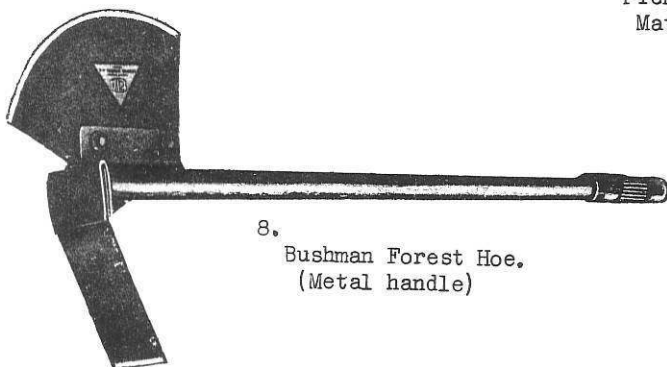
5. Norfolk Spade.



6. Grubbing Mattock.



7. Pick Mattock.



8. Bushman Forest Hoe.  
(Metal handle)

PLANTING SPADES AND MATTOCKS

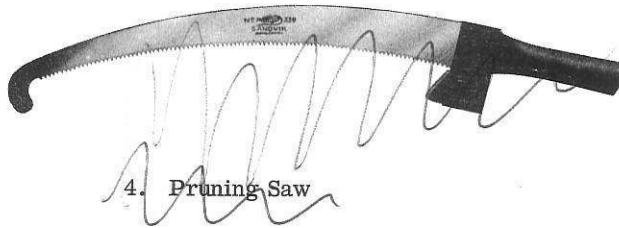
| <u>Item</u> | <u>Description</u>                              | <u>Size</u>                                                                 | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                                                       |
|-------------|-------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| 1           | Mansfield Planting<br>Spade - Treaded           | -                                                                           | (D) (CF)                                |                                                                                      |
| 2           | Semi-circular<br>Planting Spade                 | -                                                                           | (D) (CF)                                |                                                                                      |
| 3           | Planting Spade                                  | -                                                                           | (D) (CF)                                |                                                                                      |
| 4           | Schlich Vertical<br>Notching Spade -<br>Treaded | -                                                                           | (D) (CF)                                |                                                                                      |
| 5           | Norfolk Spade                                   | 7 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "<br>8" x 7" x 12" | R157(S&J)<br>5149(E)                    | (Half bright<br>(YD handles<br>(Half bright<br>(Split D<br>(handle                   |
| 6           | Grubbing Mattock                                | 5 lb. & 5 $\frac{1}{2}$ lb.                                                 | 44B(G)<br>R1224(S&J)                    | <del>Takes Hardy (HP)</del><br><del>Universal Shaft</del><br><del>No. 502</del>      |
| 7           | Pick Mattock                                    | 4 lb. x $\frac{1}{2}$ lb to 6 lb.                                           | 742(G)<br>R1234(S&J)                    | -<br><del>Takes Hardy (HP)</del><br><del>Universal Shaft</del><br><del>No. 502</del> |
| 8           | Bushman Forest<br>Hoe<br>(metal handle)         | 4 lb }<br>42" }                                                             | 415(M) (HA)                             |                                                                                      |



1. Pruning saw curved



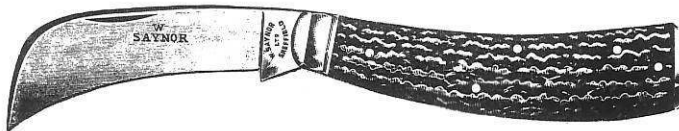
2. Strapped head for item 1.



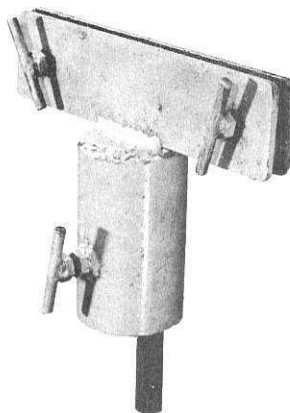
4. Pruning Saw



5. Tree Pruner



6. Pruning Knife



7. Pruning Saw Vice

PRUNING TOOLS

| <u>Item</u> | <u>Description</u>                                             | <u>Size</u>      | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                   |
|-------------|----------------------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------|
| 1           | Pruning saw curved                                             | 16"<br>20"*      | 14314(S)<br>233(BST)                    | For use with<br>strapped head                    |
| 2           | Strapped head for.<br>Item 1 above, fitted<br>with axe handle. | -                | 44347(S)<br>033(BST)                    | Axe handle<br>recommended<br>for brashing        |
| 3           | Pruning rods aluminium<br>complete with<br>strapped head       | 3 x 7'<br>2 x 7' | (SH)<br>(D)(CF)                         | Up to 24'<br>Up to 18'                           |
| 4           | Pruning Saw                                                    | 15 3/4"          | 339(SV)                                 | Suitable for<br>use with long<br>handle up to 8' |
| 5           | Tree pruner<br>(Wolryche - Whitmore)                           | -                | 4986(E)                                 | Supplied heads<br>only or with<br>36" handle     |
| 6           | Pruning knife                                                  | -                | 647/4"(Sy)                              |                                                  |
| 7           | Pruning saw vice                                               | -                | (CL) (S)<br>via Cons<br>N(W)            |                                                  |

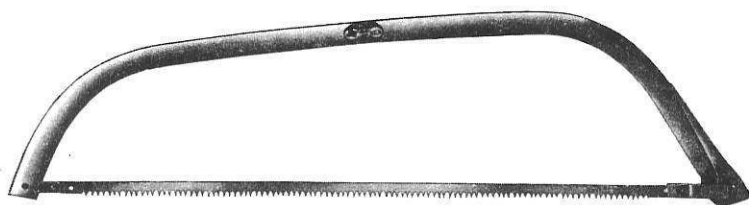
SAFETY EQUIPMENTTool Guards

| <u>Item</u> | <u>Description</u>     | <u>Size</u>                      | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                         |
|-------------|------------------------|----------------------------------|-----------------------------------------|--------------------------------------------------------|
| 1           | Axe Guards (metal)     | 5" slots<br>6" slots<br>7" slots | (P.C.)<br>"<br>"                        | For 3-4½ lb axes<br>" 5-6 lb "<br>" 7 lb "             |
| 2           | Bowsaw Guards (wooden) | 33"                              | via<br>H.Qrs                            | For 36" blades -<br>may be shortened<br>for 30" blades |
| 3           | Peeler Guards (Rubber) | 4½" slots                        | via<br>H.Qrs                            | For peelers P.14<br>items 1 and 2                      |
| 4           | Gloves armoured palm   | -                                | 38 (IG)                                 | (See P.24 for<br>illustration)                         |
| 5           | Gloves P.V.C.          | -                                | 6161 (IG)                               |                                                        |
| 6           | Plastic Boots          |                                  | (PRO)                                   |                                                        |

Notes

- (a) There is a stock of 4" metal guards suitable for light axes up to about 2½ lb at Lightmoor Depot. When exhausted these will not be replaced.
- (b) There is an initial stock of rubber peeler guards (item 3) at Lightmoor Depot. These are also suitable for axes of 3½ - 4½ lb.
- (c) The use of old fire hose with wooden stiffeners and three ties is recommended for cross cut saws.
- (d) Safe carriage of tools

Guards are of little value where tools are left in the wood when not in use. Where they are placed in boxes at night, or carried by hand or in vehicles, guards should be fitted every time before stowage. Similarly tools used by mobile squads should all have guards provided



1. Tapered Bow Saw Frame



2. Blades - Hard-point Raker Tooth



3. 5. Blades - Hard-point Peg Tooth



6. Blades - Raker Tooth



7. Cross-cut Saw



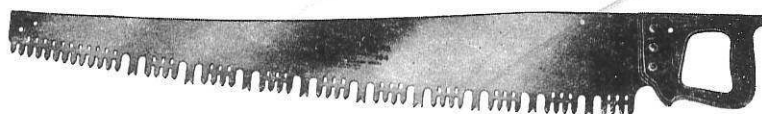
8. Cross-cut Saw



9. Cross-cut Handle



10. Loop Handle



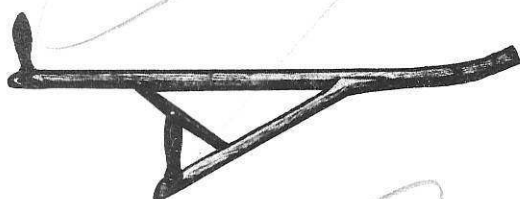
11. One Man Cross-cut

S A W S

| <u>Item</u>                                           | <u>Description</u>                                                                                   | <u>Size</u>                                          | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                                                             |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------|
| <u>Bowsaw frames:-</u>                                |                                                                                                      |                                                      |                                         |                                                                                            |
| 1                                                     | Tapered                                                                                              | 24", 30", 36"*<br>39", 42"                           | 8(SV)                                   | 36" for 1-man<br>fellingor<br>cross-cutting                                                |
| 2                                                     | Non tapered, deep                                                                                    | 30", 36"* 39",<br>42", 48"                           | 19(SV)                                  | 36" for 1-man<br>work on large trees                                                       |
| 3                                                     | Non-tapered)<br>adjustable)                                                                          | 36" - 42"<br>42" - 48"                               | 25(SV)                                  |                                                                                            |
| <u>Blades for the above saws (packaged in 10's):-</u> |                                                                                                      |                                                      |                                         |                                                                                            |
| 4 2                                                   | Hardpoint<br>Raker tooth                                                                             | 36" - 48"                                            | 21(SV)*                                 | 'Throw-away'<br>blade for felling<br>soft woods                                            |
| 5 3                                                   | Hardpoint<br>Peg tooth                                                                               | 24" - 42"                                            | 51(SV)*                                 | 'Throw-away'<br>blade for hard-<br>woods, small<br>softwoods, and<br>for cross-cutting     |
| 6                                                     | Raker tooth<br>1" deep                                                                               | 30" - 48"                                            | 129(SV)                                 | Sharpenable                                                                                |
| 7                                                     | Crosscut saw<br>(lance tooth,<br>perforated,<br>four cutter,<br>raker hollow<br>back thin to<br>back | 3½' to 5'6" )<br>x 7' )<br>4½' to 6', )<br>7' & 8' ) | 258(SS)<br>915(SV)                      | 'Speed' and<br>'Superspeed'<br>quality<br>* 4½' recommended<br>for coniferous<br>thinnings |
| 8                                                     | Crosscut (2<br>cutter and<br>raker)                                                                  | 4½' to 6', )<br>7' & 8' )                            | 919(SV)                                 | For hardwoods                                                                              |
| 9                                                     | Crosscut handles                                                                                     | -                                                    | 232W(SV)<br>Climax(SS)                  |                                                                                            |
| 10                                                    | Loop type                                                                                            |                                                      | 234(SV)                                 |                                                                                            |
| 11                                                    | One-man Cross-cut                                                                                    | 38"*                                                 | 704(SV)                                 | Recommended for<br>one-man work on<br>large blown trees<br>or cross cutting                |



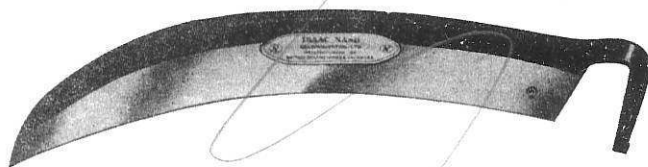
1. Scythe, Sneath



2. Scythe, Sned



3. & 4. Scythe, Solid Forged or Rivetted



5. Scythe, Briar

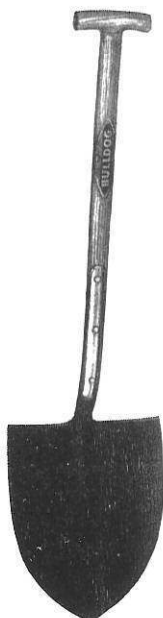
SCYTHES

| <u>Item</u> | <u>Description</u>                               | <u>Size</u>                                               | <u>Catalogue<br/>Ref. and<br/>Maker</u>              | <u>Remarks</u>                  |
|-------------|--------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|---------------------------------|
| 1           | Scythe sneath<br>(American type)<br>Ring pattern |                                                           | <sup>666</sup><br><del>559</del> N(BST)<br>R804(S&J) | Also called snead<br>" " snaith |
| 2           | Scythe sned - Hexham<br>(English) type           |                                                           | (HW)                                                 | Requires<br>forge setting       |
| 3           | Scythe, Solid<br>forged                          | <sup>27"</sup><br><del>24"</del> x 3" to 36"<br>38" & 40" | <sup>660</sup> (BST)<br><del>6050</del> (S)          |                                 |
|             |                                                  | 24" x 3" to 36"<br>40" & 42"                              | R803(S&J)                                            |                                 |
| 4           | Scythe, rivetted                                 | 24" x 3" to 36"<br>& 38"                                  | <sup>661</sup><br><del>44</del> N(BST)               |                                 |
|             |                                                  | 24" x 3" to 36"<br>40" & 42"                              | R802(S&J)                                            |                                 |
| 5           | Briar Scythe                                     | 18" x 3" to 24"<br>& 26"                                  | <sup>665</sup><br><del>46</del> N(BST)               |                                 |
|             |                                                  | <del>24", 24" and 26"</del>                               | <del>6100</del> (S)                                  |                                 |

1. Dutch weeding scythe 12" (SW)  
 Working: Plough, Hopper  
 Forest & Garden Cultivator  
 Weeding on low  
 R. 1800



1. London Shovel



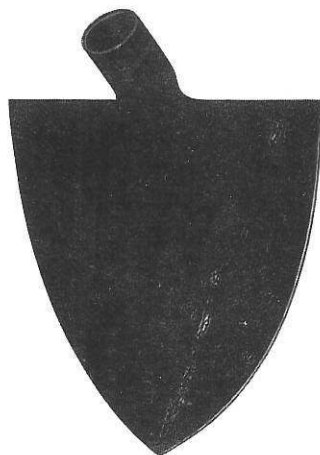
2. Navy Shovel  
Round Mouth



3. Square Mouth Shovel



4. Round Mouth Shovel



*Dawson*  
5. Cornish Socket Shovel

S H O V E L S

| <u>Item</u> | <u>Description</u>                           | <u>Size</u>                                                                                                                                                                                                            | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                    |
|-------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------|
| 1           | London Shovel                                | <del>9<math>\frac{1}{2}</math>" x 12"</del><br>8" x 10 $\frac{1}{2}$ " }*<br>8 $\frac{1}{2}$ " x 11"<br>9" x 11 $\frac{1}{2}$ " }+<br>10" x 12 $\frac{1}{2}$ "<br>10 $\frac{1}{2}$ " x 13" }                           | <del>368(P)</del><br>420Q(ET)           | T and D YD handles up to 32"      |
|             |                                              | 8" x 10 $\frac{1}{2}$ "<br>8 $\frac{1}{2}$ " x 11"<br>9" x 11 $\frac{1}{2}$ " }+<br>9 $\frac{1}{2}$ " x 12"<br>10" x 12 $\frac{1}{2}$ "                                                                                | R.902(S&J)                              | 28", YD or T handle               |
| 2           | Navvy Shovel<br>Round mouth                  | <del>9<math>\frac{1}{2}</math>" x 12"</del><br>10" x 12 $\frac{1}{2}$ " }+<br>11 $\frac{1}{2}$ " x 13" }                                                                                                               | <del>240(P)</del><br>430Q(ET)           | T or D YD handles                 |
|             | (Sizes not specified)                        |                                                                                                                                                                                                                        | (D)(CF)                                 |                                   |
| 3           | Square mouth<br>Shovel                       | <del>9" x 11<math>\frac{1}{2}</math>"</del><br>9 $\frac{1}{2}$ " x 12"<br>10" x 12 $\frac{1}{2}$ " }+                                                                                                                  | R.111(S&J)                              | (28" YD or T handles              |
|             | Size 2,<br>4,<br>6,<br>8,<br>10              | 9" x 11 $\frac{1}{2}$ "<br>10" x 12 $\frac{1}{2}$ " }+<br>11" x 13 $\frac{1}{2}$ "<br>12" x 14 $\frac{1}{2}$ "<br>13" x 15 $\frac{1}{2}$ "<br>14" x 16 $\frac{1}{2}$ "<br><del>15" x 17<math>\frac{1}{2}</math>"</del> | <del>642(B)</del><br>2213(ET)           | { 28" T handles<br>{ 30" T handle |
| 4           | Round mouth<br>Shovel                        | 10 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ "<br>11" x 13" }+                                                                                                                                                                | R.112(S&J)                              | 28" T handle                      |
|             |                                              | 10 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ "<br>11 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ "                                                                                                                                     | 3682<br>1055B(E)                        | YD or Crutch handle               |
| 5           | <del>Cornish</del> Devon<br>socket<br>Shovel | <del>14" x 11<math>\frac{1}{2}</math>"</del><br><del>11<math>\frac{1}{2}</math>" x 12"</del><br>3 - 10" width<br>4 - 10 $\frac{1}{2}$ " "<br>5 - 11 $\frac{1}{2}$ " "                                                  | <del>4403(E)</del><br>4098              | (Blades only supplied)            |



1. Pick, Chisel and Point



2. Pick, Double Point



3. Sledge Hammer



4. Wrecking Bar



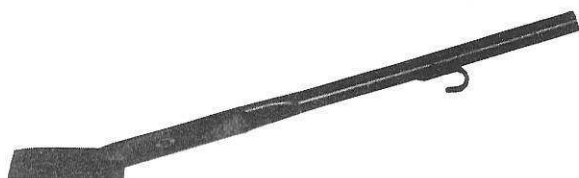
5. Pinch or Crowbar



6. Wedge, Felling



7. Wedges, Wood Splitting



8. Breaking Bar



9. Wedge, Felling Plastic

SLEDGES, PICKS, PINCHES, WEDGES ETC.

| <u>Item</u> | <u>Description</u>                             | <u>Size</u>                                                                                                               | <u>Catalogue</u><br><u>Ref. and</u><br><u>Maker</u>      | <u>Remarks</u>                        |
|-------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|
| 1           | Pick, Chisel and point                         | 7 lb & 9 lb<br>5 lb x 1 lb<br>to 10 lb                                                                                    | 712(G)<br>134(PK)                                        |                                       |
| 2           | Pick, double point                             | 7 lb to 9 lb<br>6 lb x 1 lb<br>to 9 lb                                                                                    | 710(G)<br><del>8019(S)</del><br>643(BST)                 |                                       |
| 3           | Sledge hammer, double face                     | 2 lb upwards<br>4 lb 7 lb+<br>10 lb 12 lb<br>14 lb +                                                                      | 216(G)<br>532(PK)                                        | Handle fitted if required.<br>Handled |
| 4           | Wrecking or Ripping bar                        | 12" x $\frac{1}{2}$ "<br>18" x $\frac{3}{4}$ "<br>24" x $\frac{3}{4}$ "<br>24" x $\frac{3}{4}$ "<br>30" x $\frac{3}{4}$ " | 1318(G)                                                  | Hexagonal                             |
|             |                                                | 18" x $\frac{5}{8}$ "<br><del>24" x <math>\frac{3}{4}</math>"</del><br>24" x $\frac{3}{4}$ "<br>30" x $\frac{3}{4}$ "     | <del>8280(S)</del><br>637(BST)                           | Octagonal                             |
| 5           | Pinch <sup>or</sup> /Crowbar                   | Diam. 1" to $1\frac{1}{2}$ "<br>length 30"x<br>6" to 72" )                                                                | 391A(G)                                                  | Round                                 |
| 6           | Wedges, felling, steel,                        | 3" (7 $\frac{1}{2}$ oz)                                                                                                   | 148B(M) (HA)                                             |                                       |
| 7           | Wedges, wood splitting                         | 6" x 2" to 12" 9"                                                                                                         | R1007(S&J)<br>107(SV)                                    |                                       |
| 8           | Breaking Bar                                   | 28 $\frac{1}{2}$                                                                                                          | 310(M) (HA)                                              | For felling with chain saws           |
| 9           | Felling wedge (plastic)                        | 5"                                                                                                                        | 309(M) (HA)                                              | "                                     |
| 10.         | Oregon felling wedge (Magnesium)               | 4" * Oregon<br>5 $\frac{1}{2}$ " * Oregon<br>7" * Oregon<br>7 $\frac{1}{2}$ " * Oregon                                    | 71001 (S+J)<br>71102 (S+J)<br>71203 (S+J)<br>71304 (S+J) |                                       |
| 11          | Highlift wedge (Alloy with wooden shaft rings) |                                                                                                                           | Via 49                                                   | For felling loc. of over 12 ft. 4 ft. |
|             |                                                |                                                                                                                           |                                                          | Spare shafts for above (S)            |



1. Gloucester Spade



2. Scotch Spade



3. Lancashire Spade



4. London Treaded Spade



5. Rabbitting Spade

SPADES

| <u>Item</u> | <u>Description</u>                 | <u>Size</u>                                                                                               | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                            |
|-------------|------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------|
| 1           | Gloucester Spade<br>(Garden spade) | 7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "<br>8" x 12"                                                        | 3605(E)                                 | Solid strapped<br>Half bright             |
|             |                                    | <del>7" x 14"</del><br>7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "<br>8" x 12"                                 | <del>351</del><br>908(BST)              | " "                                       |
| 2           | Scotch spade<br>- treaded          | 7 $\frac{1}{2}$ " x 7 $\frac{1}{4}$ " x 11 $\frac{3}{4}$ "<br>8" x 7 $\frac{3}{4}$ " x 12 $\frac{1}{2}$ " | R160(S&J)                               | Half bright<br>D or YD<br>handles         |
| 3           | Lancashire Spade                   | 7" x 11"<br>7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "<br>8" x 12"                                            | R164(S&J)                               | Half bright<br>T or YD<br>handles         |
| 4           | London treaded                     | "                                                                                                         | R156(S&J)                               | Half bright D or<br>YD handles            |
|             |                                    | 7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "                                                                    | <del>357</del><br>924(BST)              | <del>Quarter</del> <sup>half</sup> bright |
| 5           | Rabbiting spade                    | 6" x 5" x 12"                                                                                             | 5096(E)                                 | All bright<br>T or YD<br>handles          |

SPANNERS & GAUGES

Item    Description and Size                      Catalogue Reference and Maker

## 1    Spanners - Ring or Open End

| <u>Size (inches)</u>      |                           | <u>Ring</u>     | <u>Open end</u> |                 |             |
|---------------------------|---------------------------|-----------------|-----------------|-----------------|-------------|
| <u>B.S.F.</u>             | <u>Whit.</u>              | <u>(A.K.D.)</u> | <u>(BR)</u>     | <u>(A.K.D.)</u> | <u>(BR)</u> |
| $\frac{1}{4} \times 5/16$ | $3/16 \times \frac{1}{4}$ | DDW 203         | 4204            | OCW 203         | 3J 4452     |
| $5/16 \times \frac{3}{8}$ | $\frac{1}{4} \times 5/16$ | " 204           | 4207            | " 204           | " 5260      |
| $\frac{3}{8} \times 7/16$ | $5/16 \times \frac{3}{8}$ | " 205           | 4210            | " 205           | " 6071      |
| $7/16 \times \frac{1}{2}$ | $\frac{3}{8} \times 7/16$ | " 206           | 4215            | " 206           | " 7182      |
| $\frac{1}{2} \times 9/16$ | $7/16 \times \frac{1}{2}$ | " 207           | 4220            | " 207           | " 8292      |
| $9/16 \times \frac{5}{8}$ | $\frac{1}{2} \times 9/16$ | " 208           | 4223            | " 208           | " 92101     |

A/F (Across Flats)

|                            |         |      |         |         |
|----------------------------|---------|------|---------|---------|
| $\frac{3}{8} \times 7/16$  | DDA 212 | 4202 | OCA 212 | 3J 3743 |
| $7/16 \times \frac{1}{2}$  | " 214   | 4203 | " 214   | " 4350  |
| $\frac{1}{2} \times 9/16$  | " 216   | 4205 | " 216   | " 5056  |
| $9/16 \times \frac{5}{8}$  | " 218   | 4209 | " 218   | " 5662  |
| $\frac{5}{8} \times 11/16$ | " 220   | 4213 | " 220   | - -     |
| $11/16 \times \frac{3}{4}$ | " 2224  | 4214 | " 2224  | 3J 6875 |

2    Feeler Gauges,  $1\frac{1}{2}$  - 25 thous.

3"                      124 (BH)

4"                      132 (BH)

3.    Socket Sets.  $\frac{1}{8}$ " -  $\frac{5}{8}$ "WHIT Elora Junior  
Type LUW (DRA) $\frac{7}{16}$  -  $\frac{15}{16}$ A/F Elora Junior  
Type LUA (DRA)sets can be made up  
as required c/w  
handles to suit  
9 sockets plus  
sliding T bar10 sockets plus  
sliding T bar



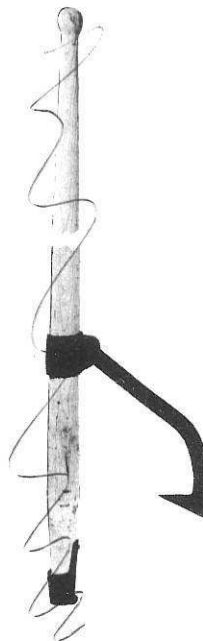
1. Timber Tongs, Self Grip



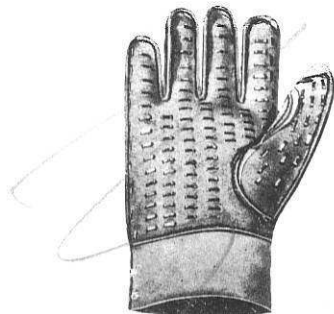
2. Timber Tongs, Spring Loaded (VSA)



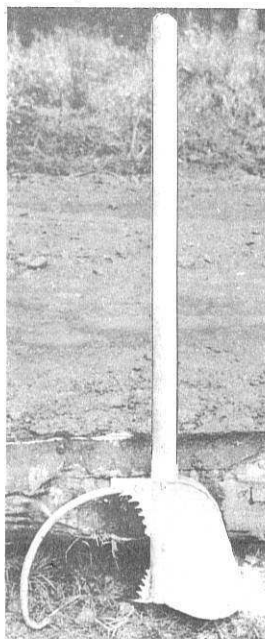
3. Timber Tongs, Long Handled



4. Canthook



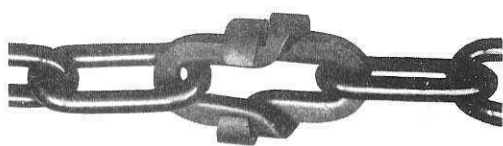
5. Gloves, Armoured



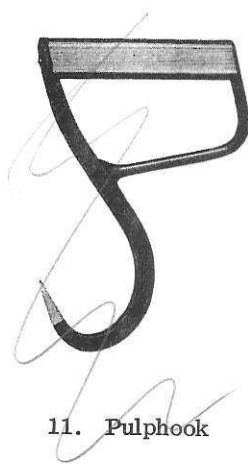
7. Log Jack



8. Sappie



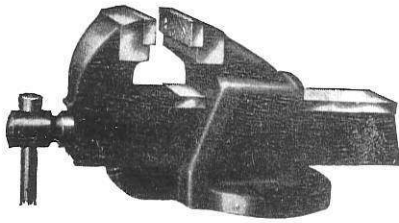
9. Linklock



11. Pulphook

TIMBER HANDLING TOOLS ETC.

| <u>Item</u> | <u>Description</u>                | <u>Size</u>                                                               | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                                                   |
|-------------|-----------------------------------|---------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------|
| 1           | Timber tongs                      | 10"                                                                       | 451(M) <sup>(HA)</sup>                  | Recommended for handling heavy poles. Specify rubber covered handles if required |
|             | Self Grip                         | 11 $\frac{1}{2}$ "                                                        | 450(M) <sup>(HA)</sup>                  |                                                                                  |
| 2           | Timber tongs spring loaded (VSA)  |                                                                           | Via H.Qrs <sup>(HA)</sup>               | Recommended for handling light poles                                             |
| 3           | Timber tongs long handled         | -                                                                         | (CL)*                                   | Recommended for thinning in dense crops                                          |
| 4           | Canthook - large                  | 15" hook                                                                  | (CP)                                    | 3 $\frac{1}{2}$ ' handle                                                         |
|             | small                             | <del>8"</del> <sup>9"</sup> <del>10"</del> & 12" hook<br>30" & 36" handle | (IS)                                    | Hook dimensions are overall                                                      |
| 5           | Gloves armoured palm              | -                                                                         | 38(IG)                                  |                                                                                  |
| 6           | Peavy                             | <del>8"</del> <sup>9"</sup> <del>40"</del> & 12" hook, 30" & 36" handle   | (IS)                                    | Recommended combination for thinnings                                            |
| 7           | Log Jack                          | 10"                                                                       | (CL)                                    | Specify 4' ash handle if required                                                |
| 8           | Sappie                            |                                                                           | (CL)                                    |                                                                                  |
| 9           | Linklock                          | $\frac{1}{8}$ " x $\frac{1}{16}$ "<br>- $\frac{7}{16}$ "                  | 461(M) <sup>(HA)</sup>                  | $\frac{3}{16}$ " or $\frac{1}{4}$ " for tushing chains                           |
| 10          | Pulphook, hammer type*            |                                                                           | (R)                                     | Metal with rubber grip                                                           |
| 11          | <i>Hickerson Section 219 (IS)</i> |                                                                           | <i>Regular Head 36" Handle</i>          |                                                                                  |
| 11          | Pulphook                          |                                                                           | 442(M)                                  | Wooden handle                                                                    |



2. Engineer's Vice



5. Cold Chisel



6. Wood Chisel



8. Club Hammer



7. Hackshaw



10. Wood Shaper



11. Centre Punch



12. Punch

TOOL MAINTENANCE ITEMS: GENERAL

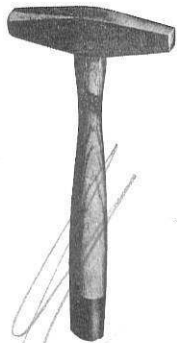
| <u>Item</u> | <u>Description</u>                                              | <u>Size</u>                                                                    | <u>Catalogue<br/>Ref. and<br/>Maker</u>                        | <u>Remarks</u>                                                                        |
|-------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1           | Grindstone, <sup>metal</sup> wood framed,<br>Treadle and handle | 16 x 3"<br>18 x 3"+<br>18 x 4"<br>21 x 3"<br>21 x 4"<br>24 x 4"<br>24 x 3 1/2" | 504 (B)<br>50/504<br>120<br>120<br>100<br>50                   | No illustration<br>Size 18" x 3" add<br>24 x 3 1/2" also available<br>with wood frame |
|             | Grindstone (stone only)                                         | As above                                                                       | (HZ)                                                           | " "                                                                                   |
| 2           | Engineer's Vice                                                 | 6                                                                              | 6 <sup>24</sup> (H)                                            |                                                                                       |
| 3           | Engineer's Breast Drill                                         | 1/2" Chuck                                                                     | <del>(STN)</del> (BB)<br>905(BS)                               | No illustration                                                                       |
| 4           | Twist Drills                                                    | 3/16", 1/4", 1/2"                                                              | (STD)                                                          | " "                                                                                   |
| 5           | Cold Chisel                                                     | 1/2"                                                                           | R806(S&J)                                                      |                                                                                       |
| 6           | Wood Chisel (Firmer)                                            | 1"                                                                             | (MR)                                                           |                                                                                       |
| 7           | Hacksaw, Extending Frame<br>(Eclipse)                           | 9" - 12"                                                                       | 20T(BB)                                                        |                                                                                       |
|             | Blades for above                                                | 9" - 12"                                                                       | (BB)                                                           |                                                                                       |
| 8           | Club Hammer                                                     | 4 lb.                                                                          | 7281<br>4005(E)                                                |                                                                                       |
| 9           | Drift                                                           | -                                                                              | (ML)                                                           | For removing<br>shafts from axes                                                      |
| 10          | Wood Shapers Surform                                            | -                                                                              | 107(F)(BB)                                                     |                                                                                       |
|             | Stanley                                                         | 12"                                                                            | <del>(STN)</del> (BB)<br>491(BS)                               |                                                                                       |
| 11          | Centre Punch                                                    | 4 1/2" x 3/8"                                                                  | (BE)(BB)                                                       |                                                                                       |
| 12          | Punch                                                           | 4 5 1/2" x 3/8"                                                                | (BE)(BB)                                                       |                                                                                       |
| 13          | Rivets (Slashers & Spades)                                      | Various                                                                        | (E)                                                            | No illustration                                                                       |
| 14          | Axe Wedges - Oak                                                | Various                                                                        | (E)                                                            | No illustration<br>Specify eye length                                                 |
| 15          | Edge tool gauge                                                 | via 4-G                                                                        | } for use with sharpening<br>via 11-G } store. page 24 item 8. |                                                                                       |
| 16          | Sampling key                                                    |                                                                                |                                                                |                                                                                       |



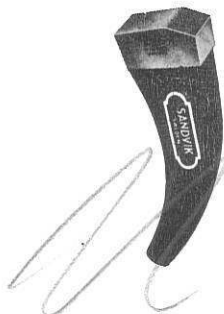
1. Saw Set Key



2. Setting Indicator



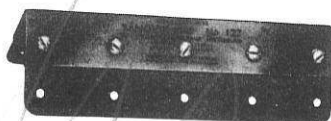
3. Setting Hammer



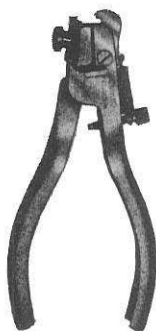
4. Setting Anvil



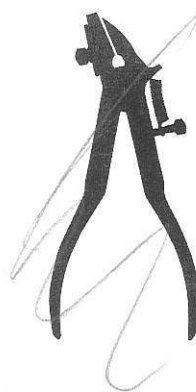
5. Raker Adjusting Tool and Stripping Block



8. Filing Vice (Bowsaw Blades)



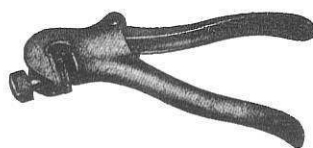
6. Setting Pliers



7. Setting Pliers



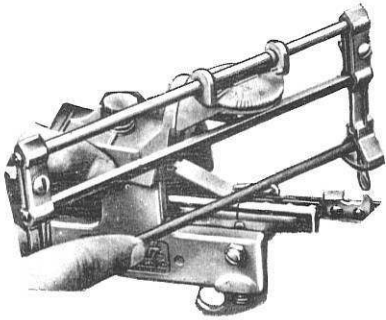
9. Whetstone



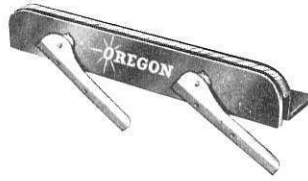
10. Eclipse Saw Set Pliers

TOOL MAINTENANCE ITEMSFOR CIRCULAR, CROSSCUT AND BOWSAWS

| <u>Item</u> | <u>Description</u>                             | <u>Size</u> | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                                |
|-------------|------------------------------------------------|-------------|-----------------------------------------|---------------------------------------------------------------|
| 1           | Saw Set Key                                    | 5 gate      | 133A(SS)                                | For circular saws                                             |
| 2           | Setting Indicator                              | -           | <sup>130</sup><br>110(SV)               |                                                               |
| 3           | " Hammer                                       | -           | 118(SV)                                 |                                                               |
| 4           | " Anvil                                        | -           | 119(SV)                                 |                                                               |
| 5           | Raker Adjusting Tool and<br>Stripping Block    | -           | 120/121(SV)                             |                                                               |
| 6           | Setting Pliers (Saw Sets)                      | -           | 112(SV)                                 | For blades up<br>to 1 1/4" width                              |
| 7           | " " " "                                        | -           | 125(SV)                                 | For blades<br>over 1 1/2" width                               |
| 8           | Filing Vice for Bowsaw<br>Blades               | -           | 127(SV)                                 |                                                               |
| 9           | Whetstone                                      |             | 3(SV)                                   |                                                               |
| 10          | Eclipse Saw Set Pliers                         | -           | 77(BB)                                  | For pruning saws<br>and handsaws                              |
| 11          | Tool Box                                       |             | <sup>(STP)</sup><br>via H. Qrs.         | For kit of saw<br>maintenance<br>equipment<br>No illustration |
| 12          | Canvas Holdall for files<br>to fit in tool box |             | via H. Qrs.                             | "                                                             |
| 13          | Vice                                           |             | 136 (SV)                                | For sharpening<br>clearing saw blades                         |
| 14          | Circular Saw<br>Sharpening Clamp               |             | CL                                      | For attachment to<br>McConnell saw bench.                     |
| 15          | Vice Holder                                    |             | 137 (SV)                                | for vices 135 & 136.                                          |



1. File-N-Joint



2. Chain Filing Vice



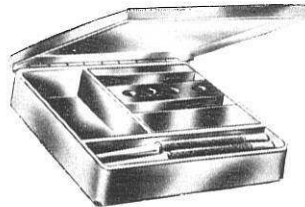
3. File Holder



5. Depth Gauge



6. Angle Gauge



8. Anvil with 2 punches



9. Adjustable Wrench



10. Plug Spanner



12. Filter Funnel



13. Oilcan

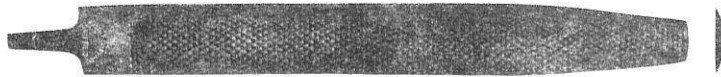
TOOL MAINTENANCE ITEMSFOR CHAIN SAWS

| <u>Item</u> | <u>Description</u>         | <u>Size</u>                                                                                | <u>Catalogue<br/>Ref. and<br/>Maker</u>  | <u>Remarks</u>                                      |
|-------------|----------------------------|--------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------|
| 1           | Filing Guide and Sharpener |                                                                                            |                                          | For Chipper                                         |
|             | (a) Dominicus              |                                                                                            | via H.Q.                                 | Chain                                               |
|             | (b) File-N-Joint           |                                                                                            | (CD) (CSP)                               | Maintenance                                         |
| 2           | Chain Filing Vice          | 13"                                                                                        | Oregon 55013(S&J)*                       | Suitable for all makes of Chain                     |
|             |                            |                                                                                            | 135(SV)-                                 | Clamp on Type                                       |
| 3           | File Holders               |                                                                                            |                                          | For Round Files                                     |
|             |                            | $\frac{1}{4}$ "                                                                            | 141(SV)                                  |                                                     |
|             |                            | $\frac{1}{4}$ "                                                                            | Oregon 57300(S&J)                        |                                                     |
|             |                            | $\frac{7}{32}$ "                                                                           | " 57310(S&J)                             |                                                     |
| 4           | Groove Gauge               | .050<br>.058<br>.063                                                                       | S&J<br>Oregon 52300(S&J)<br>" 52400(S&J) | For Checking Guide                                  |
| 5           | Depth Gauge                | 0.026" = 0.65 mm)<br>0.030" = 0.75 "<br>0.036" = 0.9 "<br>0.040" = 1.0 "<br>0.048" = 1.2 " | 145(SV)                                  | (Specify size required)                             |
| 6           | Angle Gauge                |                                                                                            | 147(SV)                                  | For all Chains                                      |
| 7           | Pinpunch                   |                                                                                            | AT9(CD)                                  | For Chain Rivets                                    |
| 8           | Anvil with 2 punches       |                                                                                            | 140(SV)                                  |                                                     |
| 9           | Adjustable Wrench          |                                                                                            | 9001(J)                                  |                                                     |
| 10          | Plug Spanners              |                                                                                            | AT3(CD)<br>9003(J)                       | As appropriate; to fit round obstructions on engine |
| 11          | Callipers, Halford         |                                                                                            | 2/35/16(HL)                              | For checking teeth.                                 |
| 12          | Filter Funnel              |                                                                                            | (J)                                      |                                                     |
| 13          | Oilcan                     | $\frac{1}{2}$ pint                                                                         | 3320(BB)                                 | Pump pressure type                                  |
| 14          | Groove Scraper             |                                                                                            | 146(SV)                                  | For Cleaning Guide Bar Groove                       |
| 15          | Engineers Square           | 6"                                                                                         | 3021A(BH)                                | For Checking Guide Bar Rails                        |
| 16          | Fuel can                   | 1 gallon                                                                                   | H165(L) (FV)                             |                                                     |

NOTES: (1) For recommendations on scale of equipment see Work Study Paper 51.

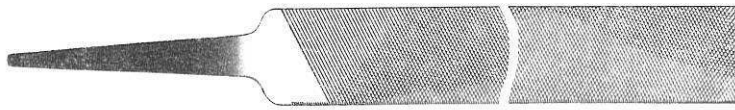
(2) For all spare parts, reference should be made to the Manufacturers Parts Lists.

In ordering quote saw type, saw or engine number and part number.



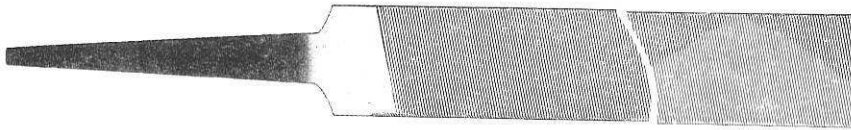
1. Rasp File

2. Bastard file



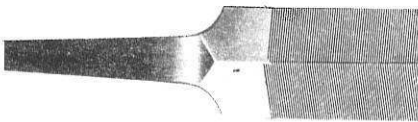
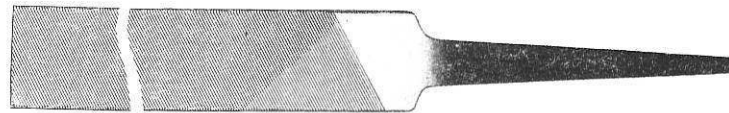
3. Axe file

4. General Purpose file



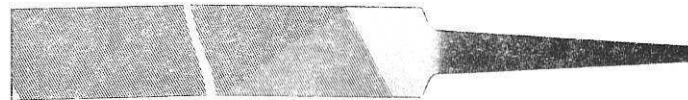
5. Millsaw file

6. Millsaw file



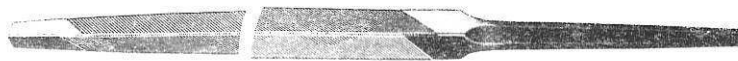
7. "WASA"double saw file

8. Millsaw file



9. Round chainsaw file

10. Slim taper saw file



12. Knife reaper file



14. Engineer's round file

TOOL MAINTENANCE ITEMS: FILES

| <u>Item</u> | <u>Description</u>                                                                    | <u>Size</u>                                    | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                                           |
|-------------|---------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------|
| 1           | Rasp, cabinet, half round,<br>regular, 2nd cut                                        | 10"                                            | (T)                                     | For shafting                                                             |
| 2           | Bastard file, flat                                                                    | 10"                                            | (A)<br>(BK)                             | Spades and<br>rutters                                                    |
| 3           | Axe file                                                                              | 10"                                            | 151(OB)                                 | Axes and edge<br>tools                                                   |
| 4           | General purpose, one double<br>cut one single cut,<br>self handled                    | 8"                                             | (BE)<br>(BK)                            | General tool<br>sharpening                                               |
| 5           | Millsaw file, <sup>heavy</sup> thin, blunt,<br><del>straight</del> cut, 2 round edges | 8"                                             | <sup>138</sup><br><del>141</del> (OB)   | For lance<br>toothed<br>perforated<br>saws                               |
| 6           | Millsaw file, heavy, blunt,<br>2 round edges                                          | 10"                                            | 134(OB)                                 | For circular<br>saws and <del>cast</del><br>hardened rutters.            |
| 7           | "WASA" double saw file,<br>straight cut                                               | 6"                                             | 274(OB)                                 | For sharpenable<br>bow saw blades                                        |
| 8           | Millsaw file, 2 round<br>uncut edges                                                  | 6"                                             | 148(OB)                                 | For chain saw<br>depth gauges                                            |
| 9           | Round chain saw file                                                                  | 8" x 7/32"<br>1/4                              | 242(OB))<br>243 )                       | Gulleting<br>bow saws                                                    |
|             |                                                                                       | 9/32<br>3/8                                    | 244<br>246                              | Gulleting X-<br>cuts                                                     |
| 10          | Slim taper saw file                                                                   | 6" <del>or</del> 8"                            | 186(OB)<br>(BK)                         | For pruning and<br>hand saws                                             |
| 11          | File handles                                                                          | 5"<br>4"<br>3"                                 | (O) (S)                                 | For 12-16" files<br>6-10" "<br>3-5" "                                    |
| 12          | Knife Reaper file, double<br>cut, self handled                                        | 8"                                             | (BE)                                    | For autoscythes<br>and mowers                                            |
| 13          | File cleaners                                                                         |                                                | (OB)                                    | File card and<br>brush                                                   |
|             |                                                                                       | 5" x 2"                                        | 318 (BH)<br>(H)                         | File card on<br>wooden board<br>(not illustrated)<br>File card on canvas |
| 14          | Engineers file, round                                                                 | <sup>rolls of 10'<br/>on upstands</sup><br>12" | 2016 (BH)<br>(BE)                       | For gulleting<br>circular saws                                           |



1. Long, Round Tapered



2. Long, Flat Tapered



3. Taper Bevel



4. Rectangular Sharpening Stone



5. Thick Combination Stone



6. Whetstone

TOOL MAINTENANCE ITEMS : SHARPENING STONES

| <u>Item</u> | <u>Description</u>                           | <u>Size</u>                                             | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                          |
|-------------|----------------------------------------------|---------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|
| 1           | Long, round tapered                          | 12"                                                     | 203(C)                                  | Scythe sharpening<br>and for coarse edged<br>reap hooks |
| 2           | Long, flat tapered                           | 9 $\frac{1}{4}$ "                                       | 198(C)                                  | Reap hook<br>sharpening                                 |
| 3           | Taper bevel (wooden handle)                  | 14"                                                     | 57(C)                                   | Reducing shoulders<br>of Tools                          |
| 4           | Rectangular sharpening<br>stone              | 8" x 2"<br>x 1"                                         | 116(C)                                  | Axes , planes & chisels.                                |
| 5           | Thick combination<br>stone                   | 3" diam.<br>x $\frac{5}{8}$ "                           | 196(C)                                  | Axes (double<br>sided )                                 |
| 6           | Whetstone                                    | 4" x $\frac{5}{8}$ " x 1 $\frac{3}{4}$ "                | 3(SV)                                   | Axes and saws<br>(Double sided)                         |
| 7           | Combination <del>oil stone</del><br>Oilstone | 8" x 2" x 1"                                            | 108A(C)                                 | for sharpening<br>chisels & planes                      |
| 8           | Scythe medium/fine                           | 9 $\frac{1}{4}$ " x 1 $\frac{3}{8}$ " x $\frac{1}{2}$ " | 512(VG)                                 | Edge tools.                                             |

SAFETY EQUIPMENT

## - GENERAL -

| <u>Item</u> | <u>Description</u>      | <u>Size</u>                      | <u>Catalogue<br/>Ref. and<br/>Maker</u> | <u>Remarks</u>                                          |
|-------------|-------------------------|----------------------------------|-----------------------------------------|---------------------------------------------------------|
| 1           | Axe Guards (metal)      | 5" slots<br>6" slots<br>7" slots | (P.D.)<br>"<br>"                        | For 3-4 $\frac{1}{2}$ lb axes<br>" 5-6 lb "<br>" 7 lb " |
| 2           | Bowsaw Guards (wooden)  | 33"                              | via<br>H.Qrs                            | For 36" blades -<br>may be shortened<br>for 30" blades  |
| 3           | Peeler Guards (rubber)  | 4 $\frac{1}{2}$ " slots          | Mile End<br>Depot                       | For peelers P.14<br>item 2                              |
| 4           | Safety Belt             |                                  | (L)                                     | For Isachsen<br>Winch Rigger                            |
| 5           | Fluorescent Pink Armlet |                                  | (WD)                                    | For signalling                                          |

Notes

- (a) There is a stock of 4" metal guards suitable for light axes up to about 2 $\frac{1}{2}$  lb at Mile End Depot. When exhausted these will not be replaced.
- (b) There is an initial stock of rubber peeler guards (item 3) at Mile End Depot. These are also suitable for axes of 3 $\frac{1}{2}$  - 4 $\frac{1}{2}$  lb and also the Slimline axe (Page 7).
- (c) Safe carriage of tools

Where tools are placed in boxes at night, or carried by hand or in vehicles, guards should be fitted every time before stowage. Similarly tools used by mobile squads should all have guards provided.

SAFETY EQUIPMENT  
- PERSONAL PROTECTION -

| <u>Item</u> | <u>Description</u>                                        | <u>Size</u>                       | <u>Catalogue<br/>Ref. and<br/>Maker</u>                                                                              | <u>Remarks</u>                                                      |
|-------------|-----------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1           | Industrial Safety<br>Helmet<br>(F.C. Pattern)             | -                                 | (HU)                                                                                                                 | EM 708 refers.                                                      |
| 2           | Safety Helmet<br>(F.C. Pattern)                           | -                                 | (HL)                                                                                                                 | For tree climbing.                                                  |
| 3 (a)       | Ear Plugs ( <i>Insert</i> )                               | <i>Small<br/>medium<br/>large</i> | (AMP)                                                                                                                | <i>Minimum Order - 100</i><br>Obtainable from<br>Training Forester. |
| (b)         | Fibreglass Down                                           | -                                 | (AR)                                                                                                                 | EM 706 refers.                                                      |
| 4           | Gloves - P.V.C.                                           | -                                 | 6161 (IG)                                                                                                            | Handling chemical<br>substances.                                    |
| 5           | Gloves - Armoured Palm                                    | -                                 | 38 (IG)                                                                                                              | For work on scrub<br>clearance, weeding<br>in thorn.                |
| 6           | Gloves - Heavy tan,<br>one finger                         | -                                 | 33 (IG)                                                                                                              | For hedging                                                         |
| 7           | Gloves - Light Leather<br>(cotton backing)                | -                                 | 811 (IG)                                                                                                             | For winching operations.                                            |
| 8           | Gloves - <i>hand held, one<br/>finger mitt</i><br>Leather | -                                 | (HN)<br>Training<br>Forester                                                                                         | For Chain Saw<br>snedding operators.                                |
| 9           | Safety Boots<br>( <i>Wester B.anga Major</i> )            | -                                 | (WD)<br>(PFS)<br>(ST) 320(NO) for <i>Mechanics</i>                                                                   | Supplied on<br>repayment.                                           |
| 10          | Plastic Boots<br><br><i>Imperpress Oil Boy</i>            | -<br>-<br>-                       | Oilmax (PK)<br><del>9152 (NP)</del><br>9289 (UN) - <i>calf length</i><br>65769-08 (SM) for <i>chemicals spraying</i> |                                                                     |
| 11          | Gloves (Vinyl Impregnated)                                | -                                 | <i>Men - M or L. STD 1-114 (SC) for Nursery<br/>Women M or L. STD 1-116 (SC) workers</i>                             |                                                                     |

# TOOL LIST

## RECORD OF AMENDMENTS

| Amendment<br>No. | Date      | Page and Item<br>Reference                                                                          | Amendments made |          |
|------------------|-----------|-----------------------------------------------------------------------------------------------------|-----------------|----------|
|                  |           |                                                                                                     | Date            | Initials |
| (1)              | (2)       | (3)                                                                                                 | (4)             | (5)      |
| 1.               | Sept. 63. | Pages 2 & 3. Index to Manufacturers.                                                                | 12/12/63        | JD.      |
| 2.               | June 64   | Pages 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 19, 20, 21, 22, 23, 24, 25, 27, 28, & 29. | 30/7/64         | mfw.     |
| 3                | March 67  | " Same as                                                                                           | Aug 67          | DMH      |

B.12/4

Tool List Amendments  
Callipers

It is considered that the 'Helios' callipers at page 27 item 11 of the Tool List are too expensive for the job of checking chain saw teeth.

The Halford Cycle Company Limited markets a calliper gauge, catalogue reference 2/35/16, at 6/9d. which is quite adequate. This can be obtained at most of Halfords branches and it will replace the 'Helios' callipers in the next set of tool list amendments.

Orders for 24 or more of these gauges placed ~~with~~ Halfords Head Office at 271 - 273 Corporation Street, Birmingham, 4 will qualify for a discount of 10%. Such orders should be marked for the attention of the Mail Order Department. Smaller orders placed either with Head Office or local branches will be charged at the list price of 6/9d.

Sufficient copies of this minute are attached for distribution to all tool list holders. The gauge will be included in the Suppliers List at H.26, the 'Helios' version being deleted at B.45, in the next set of amendments.

F. J. BROWN  
for Controller of Finance  
(Purchasing)  
6th May 1964

Distribution:

Directors  
Territorial Conservators  
Deputy Surveyors  
Chief Education Officer  
Chief Work Study Officer  
Senior Tool Instructor  
Audit Section

B3/1

Tool List - Price List

I enclose for your guidance a list giving the prices for tools used by the Commission. This cancels the list issued on the 23rd April, 1964.

G. H. Clark  
for Controller of Finance  
(Purchasing)  
11th February, 1965.

Distribution:

Directors  
Conservators  
Deputy Surveyors  
Chief Education Officer  
Chief Work Study Officer  
Chief Tool Instructor  
H.Q. Audit (9)  
File

Forestry Commission (Headquarters)  
Purchasing Branch  
25 Savile Row  
LONDON W.1

February, 1965

Tool List - Price Guide covering tools and principle items  
in general use

Page 7 - Axes

| <u>Item</u>                  | <u>Size</u>                              | <u>Price</u>                                 |
|------------------------------|------------------------------------------|----------------------------------------------|
| 1. Trimming or Snedding Axes | 3lb<br>4lb                               | 32/8<br>34/4                                 |
| 2. Felling Axe               | 4lb<br>5lb                               | 34/4<br>35/8                                 |
| Shafts, fawn foot            | 30"                                      | 15/5                                         |
| " " "                        | 36"                                      | 29/7                                         |
| " straight                   | 36"                                      | 17/3                                         |
| 3. Wedge Axe                 | 3lb<br>3½lb<br>4lb<br>4½lb<br>5lb<br>6lb | 25/4<br>26/-<br>27/-<br>12/6<br>13/3<br>13/8 |
| 4. Slimline Axe              | 2lb - 27"                                | 27/8                                         |
| 5. Clearing Axe              | 7"                                       | 16/-                                         |
| Spare blades                 |                                          | 36/- per 10                                  |

Page 8 - Draining Tools

| <u>Item</u>                     |                                          |                                      |
|---------------------------------|------------------------------------------|--------------------------------------|
| 1. Rutter spade L.F. and R.F.   | 19" x 15" )<br>21" x 15" )<br>16½" x 15" | 155/-<br>79/-                        |
| 2. Side Cutter                  |                                          | 72/-                                 |
| 3. Hill Drain drag              | 36"<br>42"<br>33"<br>36"<br>42"          | 39/-<br>41/-<br>25/-<br>25/4<br>26/- |
| 4. Drainers drag                | 6'                                       | 27/8                                 |
| 5. Foot irons                   | 4"                                       | 7/-                                  |
| 6. Square drain bottoming spade | 14" x 6" x 6"                            | 31/6                                 |
| 7. Diamond pointed drain shovel |                                          | 26/-                                 |

Page 9 Fencing Equipment

| <u>Item</u>                              | <u>Size</u>                                      | <u>Price</u>                |
|------------------------------------------|--------------------------------------------------|-----------------------------|
| 1. Mauls, Elm (ringed)                   | 6" x 10" x 7 $\frac{1}{2}$ "<br>(36" handles)    | 32/1                        |
|                                          | 6" x 13" x 8"<br>(42" handles)                   | 37/11                       |
| 2. Stake driving hammer                  | 7lb<br>14lb                                      | 16/-<br>24/-                |
| 3. Post drivers (Drivall)                | 3 $\frac{3}{4}$ " diam.<br>4 $\frac{1}{2}$ " "   | 142/3<br>184/6              |
| 4. G.P.O. Rabbitting-tool                | 6 ft. handle                                     | 37/6                        |
| 5. G.P.O. Post hole spoon                |                                                  | 35/-                        |
| 6. Shuv breaker                          |                                                  | 119/3                       |
| 7. Shuv holer                            |                                                  | 107/6                       |
| 8. Wire Strainers (Monarch)<br>(Donalds) |                                                  | 46/6<br>58/6                |
| 9. Scotch Screw eyed auger               | $\frac{1}{4}$ "<br>1"<br>2"<br>2 $\frac{1}{2}$ " | 5/1<br>7/10<br>21/8<br>68/6 |
| 10. Rapid eyed auger                     |                                                  | Not priced                  |
| 11. Combination Fliers                   | 6"<br>7"<br>8"                                   | 6/4<br>7/-<br>8/-           |
| 12. Combined fencing tool                | 10 $\frac{1}{2}$ "                               | 21/2                        |
| 14. Metal shafted hammer                 | 20 oz.                                           | 19/9                        |
| 15. Ring fastener gun                    |                                                  | 75/-                        |

Page 10. Forks, Rakes & Hoes

| <u>Item</u>     |                                                                                                                   |                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1. Digging fork | 4 prong 8" x 13"<br>5 " 9" x 13"<br>4 " 7 $\frac{1}{2}$ " x 8" x 13"<br>5 " 8 $\frac{1}{2}$ " x 9" x 13"          | 21/6<br>24/10<br>26/-<br>31/- |
| 2. Manure fork  | 4 prong 9 $\frac{1}{2}$ " x 13"<br>5 " 9 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ "<br>4 " 8 $\frac{1}{2}$ " x 9" x 13" | 23/4<br>27/-<br>20/-          |
| 3. Hay fork     | 2 prong 9" to 14"                                                                                                 | 19/-                          |

Page 10 (contd.)

| <u>Item</u>        | <u>Size</u>                   | <u>Price</u> |
|--------------------|-------------------------------|--------------|
| 4. Stone fork      | 8 prong 14" x 12"             | 32/-         |
|                    | 10 " 14" x 13"                | 40/-         |
|                    | 8 " 12 $\frac{1}{2}$ " x 14"  | 40/-         |
|                    | 10 " 13 $\frac{1}{2}$ " x 14" | 48/-         |
| 5. Garden Rake     | 10 teeth                      | 6/2          |
|                    | 12 "                          | 6/6          |
|                    | 14 "                          | 6/10         |
|                    | 8 "                           | 6/-          |
|                    | 10 "                          | 6/2          |
|                    | 12 "                          | 6/8          |
|                    | 14 "                          | 6/10         |
|                    | 16 "                          | 7/2          |
|                    | 5 ft. handles                 | 4/10         |
| 6. Solid Dutch Hoe | 4"                            | 8/2          |
|                    | 7"                            | 9/-          |
|                    | 4"                            | 10/4         |
|                    | 7"                            | 10/4         |

Page 11. General Purpose Tools

| <u>Item</u>                  |                  |       |
|------------------------------|------------------|-------|
| 1. Ball Pein Engineer Hammer | $\frac{1}{4}$ lb | 6/2   |
|                              | $\frac{1}{2}$ lb | 7/9   |
|                              | $\frac{3}{4}$ lb | 7/8   |
|                              | 2lb              | 10/4  |
| 2. Claw Hammer (Farmers)     | 12oz.            | 6/2   |
|                              | 16oz.            | 6/10  |
|                              | 24oz.            | 7/2   |
| 3. Adze eye claw hammer      | 16oz.            | 13/8  |
|                              | 20oz.            | 14/4  |
|                              | 24oz.            | 15/-  |
| 4. Back saw (Tenon)          | 10"              | 14/-  |
|                              | 12"              | 16/-  |
|                              | 14"              | 13/-  |
|                              | 22"              | 14/-  |
|                              | 26"              | 30/6  |
| 5. Hand saw                  | 22"              | 14/-  |
| Crosscut                     | 26"              | 30/6  |
| 6. Screwdriver               |                  | 5/-   |
| 7. Jennings Bit              | $\frac{3}{4}$ "  | 4/6   |
|                              | 1"               | 7/2   |
| 8. Ratchet Brace             | 10"              | 21/4  |
|                              | 8"               | 30/1  |
|                              | 10"              | 30/10 |
|                              | 12"              | 32/7  |
|                              | 14"              | 33/7  |

Page 11 (contd.)

| <u>Item</u>                 | <u>Size</u> | <u>Price</u> |
|-----------------------------|-------------|--------------|
| 9 Firmer chisel Bottle Neck | 3 "         | 4/2          |
|                             | 16          |              |
|                             | 1 1/2 "     | 7/2          |
| 10 Parallel Bench Vice      | 6 "         | 27/-         |
| 11 Pipe Wrench (stillson)   | 8 "         | 10/2         |
|                             | 10 "        | 12/7         |
|                             | 14 "        | 17/8         |
|                             | 18 "        | 22/11        |
|                             | 24 "        | 37/2         |
|                             | 36 "        | 75/-         |
|                             | 48 "        | 120/-        |
| 12 Adjustable Wrench        | 6" - 10"    | 10/1         |
| 13 Combination Pliers       | 6 "         | 5/6          |
|                             | 7 "         | 5/10         |
|                             | 8 "         | 6/10         |

Page 12 - Hooks and Slashers

| <u>Item</u>            |            |      |
|------------------------|------------|------|
| 1. Reap hook           | 14 "       | 10/8 |
|                        | 13 "       | 11/8 |
| 2. Bean Hook           | 15 "       | 15/8 |
| 3. Light Brushing Hook | 16 "       | 23/4 |
|                        | 16 1/2 "   | 24/8 |
|                        | 15 "       | 24/8 |
| 4. Heavy Brushing Hook | 16 "       | 25/- |
| 5. Slasher             | 8 "        | 20/- |
|                        | 10 "       | 25/- |
| 6. Alford Slasher      | 10 "       | 23/4 |
|                        | 10 "       | 24/- |
| 7. Yorkshire Billhook  | 8" and 10" | 23/- |
| 8. Newton Billhook     | 10 "       | 14/- |
| 9. Kent Billhook       | 10 "       | 14/- |

Page 13 Measuring Equipment

| <u>Item</u>          |     |      |
|----------------------|-----|------|
| 1 & 2 Girthing Tapes | 3'  | 1/11 |
|                      | 6'  | 3/-  |
|                      | 9'  | 4/11 |
|                      | 12' | 6/6  |

Page 13 (contd.)

| <u>Item</u>                             | <u>Size</u>   | <u>Price</u> |
|-----------------------------------------|---------------|--------------|
| 3 Measuring Tapes (with cases)          | 66'           | 34/6         |
|                                         | 100'          | 45/10        |
| 4 Measuring Tapes (refills only)        | 66'           | 16/1         |
|                                         | 100'          | 24/11        |
| 5 Timber Scribe (Gun)<br>(folding type) |               | 151/2        |
|                                         |               | 22/6         |
| 7 Scribe for measuring rods             |               | 1/5          |
| 8 Hand Tally Counter                    |               | 36/-         |
| 9 Numbered tags for logs (round)        | 1 1/4" diam.  | 63/-         |
| (oval)                                  | 1 1/2" x 3/4" | 60/-         |

Page 14 - Peelers

| <u>Item</u>      |     |       |
|------------------|-----|-------|
| 2 Swedish Peeler |     | 14/-  |
| 3 Handle for 2.  |     | 4/-   |
| 4 Draw knife     | 8"  | 21/11 |
|                  | 10" | 22/8  |
|                  | 12" | 23/1  |

Page 15 - Planting Spades and Mattocks

| <u>Item</u>                          |                           |       |
|--------------------------------------|---------------------------|-------|
| 1 Mansfield Planting spade - Treaded |                           | 48/-  |
| 2 Semi-circular Planting Spade       |                           | 65/-  |
| 3 Planting Spade                     |                           | 48/-  |
| 4 Schlich Vertical Notching Spade    |                           | 48/-  |
| 5 Norfolk Spade                      | 4 1/2" x 6 1/2" x 11 1/2" | 23/-  |
|                                      | 8" x 7" x 12"             | 23/6  |
|                                      | 7 1/2" x 6 1/2" x 11 1/2" | 26/-  |
| 6 Grubbing Mattock                   | 5lb                       | 11/-  |
|                                      | 5 1/2 lb                  | 11/3  |
|                                      | 5lb                       | 10/10 |
| 7 Pick Mattocks                      | 4 1/2 lb                  | 10/9  |
|                                      | 5lb                       | 11/-  |
|                                      | 5 1/2 lb                  | 11/3  |
|                                      | 5lb                       | 10/10 |
|                                      | 5 1/2 lb                  | 11/-  |
| 8 Bushman Forest Hoe                 | 4lb - 42"                 | 28/11 |

Page 16 - Pruning Tools

| <u>Item</u>                                           | <u>Size</u>                  | <u>Price</u> |
|-------------------------------------------------------|------------------------------|--------------|
| 1 Pruning Saw curved                                  | 16"<br>20"                   | 8/-<br>9/4   |
| 2 Strapped head for Item 1<br>fitted with axe handles |                              | 20/-         |
| 3 Pruning rods (aluminium) c/w strapped<br>head       | 3tube<br>2tube               | 85/3<br>65/3 |
| 5 Tree pruner (Wolryche-Whitmore)                     | without handle<br>with 36" " | 16/-<br>23/8 |
| 6 Pruning knife                                       | 4"                           | 14/6         |
| 7 Pruning saw vice                                    |                              | 30/-         |

Page 17 - Safety Equipment

| <u>Item</u>              |                                 |                     |
|--------------------------|---------------------------------|---------------------|
| 1 Axe Guards (metal)     | 5"<br>6"<br>7"                  | 9d.<br>10d.<br>11d. |
| 2 Bowsaw Guards (wooden) | 33"                             | 1/6                 |
| 3 Peeler Guards (Rubber) | 4 <sup>1</sup> / <sub>2</sub> " | 1/-                 |
| 4 Gloves armoured palm   |                                 | 12/3                |
| 5 Gloves P.V.C.          |                                 | 7/6                 |
| 6 Plastic Boots          |                                 | 61/-                |

Page 18 - Saws

| <u>Item</u>                |                          |                                           |
|----------------------------|--------------------------|-------------------------------------------|
| 1 Tapered                  | 24"<br>30"<br>36"<br>42" | 12/4<br>13/-<br>15/-<br>18/-              |
| 2 Non tapered              | 30"<br>36"               | 14/2<br>16/6                              |
| 3 Non tapered (adjustable) | 36" - 42"<br>42" - 48"   | 22/-<br>23/-                              |
| 4 Hardpoint Raker tooth    | 36"<br>42"<br>48"        | 60/- for 10<br>66/- for 10<br>86/- for 10 |

Page 18 (contd.)

| <u>Item</u>                     | <u>Size</u> | <u>Price</u> |
|---------------------------------|-------------|--------------|
| 5 Hardpoint peg tooth           | 24"         | 50/- for 10  |
|                                 | 30"         | 54/- for 10  |
|                                 | 36"         | 60/- for 10  |
|                                 | 42"         | 66/- for 10  |
| 6 Raker tooth 1" deep           | 30"         | 46/- for 10  |
|                                 | 30"         | 50/- for 10  |
| 7 Crosscut saw                  | 3½'         | 29/-         |
|                                 | 4'          | 32/-         |
|                                 | 4½'         | 37/-         |
|                                 | 5'          | 42/-         |
|                                 | 5½'         | 47/-         |
|                                 | 4½'         | 91/-         |
|                                 | 5'          | 100/-        |
|                                 | 5½'         | 110/-        |
|                                 | 6'          | 118/-        |
| 8 Crosscut (2 cutter and raker) |             | Not priced   |
| 9 Crosscut handles              |             | 7/-          |
| 11 One-man Cross-cut            |             | 68/6         |

Page 19 - Scythes

| <u>Item</u>                                     |     |      |
|-------------------------------------------------|-----|------|
| 1 Scythe sneath (American type)<br>ring pattern |     | 20/4 |
| 2 Scythe sned - Hexham (English) type           |     | 17/8 |
| 3 Scythe Solid forged                           | 27" | 21/8 |
|                                                 | 30" | 22/- |
|                                                 | 33" | 22/8 |
|                                                 | 36" | 23/- |
|                                                 | 38" | 24/- |
|                                                 | 24" | 21/- |
|                                                 | 27" | 21/2 |
|                                                 | 30" | 21/6 |
|                                                 | 33" | 22/2 |
|                                                 | 36" | 22/8 |
| 4 Scythe, rivetted                              | 24" | 16/6 |
|                                                 | 27" | 17/- |
|                                                 | 30" | 17/2 |
|                                                 | 33" | 18/2 |
|                                                 | 36" | 18/4 |
|                                                 | 24" | 14/8 |
|                                                 | 27" | 15/- |
|                                                 | 30" | 15/8 |
|                                                 | 33" | 16/- |
|                                                 | 36" | 16/4 |

Page 19 (contd.)

| <u>Item</u>    | <u>Size</u> | <u>Price</u> |
|----------------|-------------|--------------|
| 5 Briar Scythe | 18"         | 21/4         |
|                | 21"         | 21/8         |
|                | 24"         | 22/-         |
|                | 26"         | 22/8         |

Page 20 - Shovels

| <u>Item</u>                     |                                                                                                                                                                                                 | <u>T handles</u>                                      | <u>YD handles</u> |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|
| 1 London Shovel                 | 9 $\frac{1}{2}$ " x 12" )<br>10" x 12 $\frac{1}{2}$ " )<br>10 $\frac{1}{2}$ " x 13"                                                                                                             | 17/8<br>19/-                                          | 19/-<br>20/4      |
|                                 | 8" x 10 $\frac{1}{2}$ " )<br>8 $\frac{1}{2}$ " x 11" )<br>9" x 11 $\frac{1}{2}$ " )<br>9 $\frac{1}{2}$ " x 12" )                                                                                | 16/6                                                  | 17/10             |
|                                 | 10" x 12 $\frac{1}{2}$ "                                                                                                                                                                        | 16/10                                                 | 18/2              |
| 2 Navvy shovel -<br>round mouth | 10 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ "<br>11" x 13"                                                                                                                                            | 17/8<br>19/-                                          | 19/-<br>20/4      |
| 3 Square mouth shovel           | 9" x 11 $\frac{1}{2}$ " )<br>9 $\frac{1}{2}$ " x 12" )<br>10" x 12 $\frac{1}{2}$ "                                                                                                              | 17/2<br>17/6                                          | 18/6<br>18/10     |
|                                 | 9" x 11 $\frac{1}{2}$ "<br>10" x 12 $\frac{1}{2}$ "<br>11" x 13 $\frac{1}{2}$ "<br>12" x 14 $\frac{1}{2}$ "<br>13" x 15 $\frac{1}{2}$ "<br>14" x 16 $\frac{1}{2}$ "<br>15" x 17 $\frac{1}{2}$ " | 13/2<br>13/6<br>14/-<br>15/-<br>16/2<br>17/8<br>18/10 |                   |
| 4 Round mouth shovel            | 10 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ "<br>10 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ "<br>11 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ "                                                                   | 17/6<br>11/4<br>12/4                                  |                   |
| 5 Devon socket shovel           | 10" )<br>10 $\frac{1}{2}$ " )<br>11" )                                                                                                                                                          | 16/8                                                  |                   |

Page 21 - Sledges, Picks, Pinches, Wedges etc.

| <u>Item</u>              |                                 |                                   |
|--------------------------|---------------------------------|-----------------------------------|
| 1 Pick, Chisel and Point | 7lb<br>8lb<br>9lb               | 10/3<br>11/6<br>12/9              |
|                          | 5lb<br>6lb<br>7lb<br>8lb<br>9lb | 8/3<br>8/9<br>9/2<br>10/1<br>11/6 |

| <u>Item</u>                         | <u>Size</u>              | <u>Price</u> |
|-------------------------------------|--------------------------|--------------|
| 2 Pick double point                 | 7lb                      | 10/3         |
|                                     | 8lb                      | 11/6         |
|                                     | 9lb                      | 12/9         |
|                                     | 6lb                      | 9/4          |
|                                     | 7lb                      | 9/10         |
| 3 Sledge Hammer, double face        | 4lb                      | 9/3          |
|                                     | 6lb                      | 11/1         |
|                                     | 7lb                      | 12/8         |
|                                     | 8lb                      | 14/6         |
|                                     | 10lb                     | 17/11        |
|                                     | 12lb                     | 21/7         |
|                                     | 14lb                     | 24/3         |
|                                     | 4lb                      | 6/9          |
|                                     | 7lb                      | 10/3         |
|                                     | 10lb                     | 14/7         |
|                                     | 12lb                     | 17/6         |
|                                     | 14lb                     | 20/6         |
|                                     | 20lb                     | 29/3         |
| 4 Wrecking or Ripping Bar           | 18" x "                  | 6/9          |
|                                     | 24" x "                  | 7/8          |
|                                     | 24" x $\frac{3}{4}$ "    | 8/10         |
|                                     | 30" x $\frac{3}{4}$ "    | 10/5         |
|                                     | 18" x "                  | 8/-          |
|                                     | 24" x $\frac{3}{4}$ "    | 10/-         |
|                                     | 30" x $\frac{3}{4}$ "    | 11/4         |
|                                     | 30"                      | 10/6         |
|                                     | 36"                      | 11/2         |
|                                     | 42"                      | 11/8         |
| 5 Pinch or Crowbar                  | 48"                      | 13/1         |
|                                     | 54"                      | 12/4         |
|                                     | 60"                      | 14/9         |
|                                     | 66"                      | 15/5         |
|                                     | 72"                      | 16/9         |
| 6 Wedges, felling, steel            | 3" ( $7\frac{1}{2}$ oz.) | 2/2          |
| 7 Wedges, wood splitting            | 6"                       | 4/10         |
|                                     | 8"                       | 7/-          |
|                                     | 10"                      | 11/8         |
|                                     | 12"                      | 19/8         |
|                                     | 9"                       | 10/-         |
| 8 Breaking bar                      | 26 $\frac{1}{2}$ "       | 22/8         |
| 9 Felling wedge (plastic)           | 5"                       | 8/-          |
| 10 Oregon felling wedge (Magnesium) | 4"                       | 4/4          |
|                                     | 5 $\frac{1}{2}$ "        | 7/-          |
|                                     | 7"                       | 11/8         |

Page 22 Spades

| <u>Item</u>            | <u>Size</u>                                                                                               | <u>Price</u>          |
|------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| 1 Gloucester spade     | 7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "                                                                    | 26/-                  |
| 2 Scotch spade treaded | 7 $\frac{1}{2}$ " x 7 $\frac{1}{4}$ " x 11 $\frac{3}{4}$ "<br>8" x 7 $\frac{3}{4}$ " x 12 $\frac{1}{2}$ " | 26/0<br>26/6          |
| 3 Lancashire spade     | 7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "<br>8" x 12"                                                        | 23/-<br>23/6          |
| 4 London treaded       | 7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "<br>8" x 12"<br>7 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ "              | 25/4<br>25/10<br>28/- |
| 5 Rabbitting           | 6" x 5" x 12"                                                                                             | 27/-                  |

Page 23 - Spanners and Gauges

Not priced

Page 24 - Timber Handling Tools etc.

| <u>Item</u>                                                    |                                                                                                                               |                                        |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 1 Timber tongs                                                 | 10 $\frac{1}{2}$ "                                                                                                            | 17/8                                   |
| Self grip                                                      | 12"                                                                                                                           | 18/4                                   |
| 2 Timber tongs spring loaded<br>Spare springs for timber tongs |                                                                                                                               | 17/2<br>10d.                           |
| 3 Timber tongs long handled                                    |                                                                                                                               | 55/-                                   |
| 4 Canthook - large<br>small                                    |                                                                                                                               | 41/2<br>33/-                           |
| 5 Gloves armoured palm                                         |                                                                                                                               | 12/3                                   |
| 6 Peavy                                                        |                                                                                                                               | 52/6                                   |
| 7 Log jack<br>shafts for above                                 |                                                                                                                               | 75/-<br>15/-                           |
| 8 Sappie                                                       |                                                                                                                               | 30/-                                   |
| 9 Linklock                                                     | $\frac{1}{8}$ "<br>3"<br>$\frac{1}{16}$<br>$\frac{1}{4}$ "<br>5"<br>$\frac{1}{16}$<br>$\frac{3}{8}$ "<br>7"<br>$\frac{1}{16}$ | 1/-<br>1/3<br>2/-<br>2/9<br>3/-<br>3/6 |
| 10 Pulphook, hammer type                                       |                                                                                                                               | 15/-                                   |
| 11 Pulphook                                                    |                                                                                                                               | 15/6                                   |

Page 25 Tool Maintenance Items: General

| <u>Item</u>                   | <u>Size</u>           | <u>Price</u> |
|-------------------------------|-----------------------|--------------|
| 1 Grindstone, wood framed     | 16" x 3"              | 178/9        |
| Treadle and handle            | 18" x 3"              | 183/9        |
|                               | 18" x 4"              | 204/6        |
|                               | 21" x 3"              | 227/6        |
|                               | 21" x 4"              | 256/4        |
|                               | 24" x 4"              | 270/4        |
| Grindstones only              | 16" x 3"              | 38/4         |
|                               | 18" x 3"              | 44/1         |
|                               | 18" x 4"              | 47/3         |
|                               | 21" x 3"              | 48/6         |
|                               | 21" x 4"              | 61/8         |
|                               | 24" x 4"              | 80/1         |
| 2 Engineer's Vice             | 6                     | 134/-        |
| 3 Engineer's Breast Drill     | $\frac{1}{2}$ " chuck | 37/-         |
| 4 Twist Drills                | Not priced            |              |
| 5 Cold chisel                 |                       | 2/-          |
| 6 Wood chisel (Firmer)        | Not priced            |              |
| 7 Hacksaw, extending frame    | 10" - 12"             | 14/-         |
| Blades (for above)            | 10"                   | 16/5         |
|                               | 12"                   | 18/-         |
| 8 Club hammer                 | 4lb                   | 13/8         |
| 9 Drift                       |                       | 16/3         |
| 10 Wood Shapers Surform       |                       | 13/-         |
| 11 Centre Punch               | Not priced            |              |
| 12 Punch                      | Not priced            |              |
| 13 Rivets (Slashers & Spades) | Not priced            |              |
| 14 Axe Wedges                 | Various               | Not priced   |

Page 26 Tool Maintenance Items for Circular, Crosscut and Bowsaws

| <u>Item</u>                                |                                         |      |
|--------------------------------------------|-----------------------------------------|------|
| 1 Saw set key                              | 5 gate                                  | 5/-  |
| 3 Setting hammer                           |                                         | 10/- |
| 4 Setting anvil                            |                                         | 10/- |
| 5 Raker Adjusting Tool and Stripping Block |                                         | 26/- |
| 6 Setting Pliers (Saw Sets)                | for blades up to $1\frac{1}{4}$ " width | 10/- |
| 7 " " "                                    | for blades over $1\frac{1}{2}$ " width  | 11/- |

Page 26 (contd.)

| <u>Item</u>                                       | <u>Size</u> | <u>Price</u> |
|---------------------------------------------------|-------------|--------------|
| 8 Filing Vice for Bowsaw Blades                   |             | 14/-         |
| 9 Whetstone                                       |             | 5/-          |
| 10 Eclipse Saw Set Pliers                         |             | Not priced   |
| 11 Tool Box                                       |             | 27/10        |
| 12 Canvas Holdall for files<br>to fit in tool box |             | 3/-          |

Page 27 Tool Maintenance Items for Chain Saws

|                              |  |            |
|------------------------------|--|------------|
| 1 Filing Guide and Sharpener |  | 137/6      |
| 2 Chain Filing Vice          |  | 67/-       |
| 3-10                         |  | Not priced |
| 11 Callipers, Halford        |  | 6/9        |
| 12-15                        |  | Not priced |

Page 28 - Files

Not priced

Page 29 - Sharpening Stones

| <u>Item</u>                    |                                          |      |
|--------------------------------|------------------------------------------|------|
| 1 Long, round tapered          | 12"                                      | 3/2  |
| 2 Long, flat tapered           | 9 $\frac{1}{4}$ "                        | 2/2  |
| 3 Taper Bevel (wooden handle)  | 14"                                      | 4/4  |
| 4 Rectangular Sharpening Stone | 8" x 2" x 1"                             | 7/4  |
| 5 Thick Combination Stone      | 3" diam. x $\frac{5}{8}$ "               | 3/2  |
| 6 Whetstone                    | 4" x $\frac{5}{8}$ " x 1 $\frac{3}{4}$ " | 5/-  |
| 7 Combination Oil Stone        | 8" x 2" x 1"                             | 8/10 |

TOOL LIST  
(Revised 1963)

Amendment No. 4

|        |                             |                                                                                                               |                                                                      |
|--------|-----------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Page 2 | (A)                         | Amend address to read                                                                                         | "Cambria Works,<br>Love Street,<br>Sheffield 3."                     |
| " "    | Insert new entries<br>(AMP) | Amplivox Ltd.                                                                                                 | Beresford Avenue,<br>Wembley,<br>Mddx.                               |
|        | (BM)                        | Burton, McCall & Co.                                                                                          | 55, Welford Rd.,<br>Leicester.                                       |
| " "    | (H)                         | delete complete entry.                                                                                        |                                                                      |
| " 3    | (HP)                        | " " "                                                                                                         |                                                                      |
| " "    | Insert new entry<br>(HN)    | Hollman Nicholls & Co. Ltd.                                                                                   | 239 Birkbeck Rd.,<br>Beckenham,<br>Kent.                             |
| " "    | (MR)                        | add "& Sons Ltd."                                                                                             | add address<br>Code SL 3TQ.                                          |
| " "    | (NB)                        | delete complete entry                                                                                         |                                                                      |
| " "    | Insert new entry<br>(NO)    | James North & Sons Ltd.                                                                                       | Industrial Footwear<br>Div.<br>P.O. Box No. 3,<br>Hyde,<br>Cheshire. |
| " "    | (OB)                        | delete in the address<br>"Swedish Steels" and<br>substitute "U.K."                                            |                                                                      |
| " "    | (PC)                        | delete complete entry and<br>substitute "(PD) The<br>Governor, H.M. Prison,<br>Camp Hill, Newport,<br>I.o.W." |                                                                      |
| " "    | (PX)                        | delete address and sub-<br>stitute "Derbyshire House,<br>St. Chad's St.,<br>Kings Cross,<br>London, W.C.1."   |                                                                      |
| " "    | (RB)                        | delete complete entry.                                                                                        |                                                                      |

|      |                 |                                                                                                                                                                                             |                                         |
|------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
|      | (SH)            | delete address and substitute 422 Westborough Rd., Westcliffe-on-Sea, Essex.                                                                                                                |                                         |
| " "  | (STO)           | delete "29 New Bridge St." and substitute "22 Upper Thames St."                                                                                                                             |                                         |
| " "  | (STA)           | delete <del>complete</del> entry                                                                                                                                                            |                                         |
| " "  | (SV)            | delete "Swedish Steels" and substitute "U.K."                                                                                                                                               |                                         |
| " "  | (T)             | delete the first "&"                                                                                                                                                                        |                                         |
| " "  | (SW)            | delete complete entry<br>add the following new codes names and addresses                                                                                                                    |                                         |
| " "  | (SC)            | Synchemicals Ltd.                                                                                                                                                                           | Grange Walk,<br>London, S.E.1.          |
| " "  | (SM)            | Semperit Rubber Manufacturing Co. Ltd.                                                                                                                                                      | Renwick Road,<br>Barking, Essex.        |
| " "  | (STN)           | W.F. Stanley & Co. Ltd.                                                                                                                                                                     | 52 Bothwell St.<br>Glasgow              |
| " "  | (UG)            | Universal Grinding Wheel Co. Ltd.                                                                                                                                                           | Universal Works<br>Stafford             |
| " "  | (UN)            | Uniroyal Ltd.                                                                                                                                                                               | 62-64 Horseferry Rd.,<br>London, S.W.1. |
| " 5  | C               | Add new entry                                                                                                                                                                               | "Cable Cutters 11                       |
| " "  | G               | Gauges - add 25                                                                                                                                                                             |                                         |
| " 6  | W               | reinstate item "Wirecutters 9"                                                                                                                                                              |                                         |
| " 8  | Item 4          | delete 4 against Drainers                                                                                                                                                                   |                                         |
| " "  | Item 1 & 2      | delete (SK)                                                                                                                                                                                 |                                         |
| " 9  | (ii)(Illus)     | reinstate 13 Wirecutters                                                                                                                                                                    |                                         |
| " 9  | Item 4          | amend "rabitting" to read "rabbiting"                                                                                                                                                       |                                         |
| " "  | Item 13         | reinstate entry                                                                                                                                                                             |                                         |
| " 9  | add new Item 16 | Cable Cutters                                                                                                                                                                               | Felco C7 (BM)                           |
| " 11 | Item 11         | amend (H) to read (BH)                                                                                                                                                                      |                                         |
| " 12 | Item 4          | Catalogue Ref. delete 4991 and substitute 8216<br>Remarks - delete 4991 and substitute 8216<br>" " 3804 " " 8203<br>" - add at end "and supplied with ring and bolt fitting to the handle". |                                         |

Page 12 Add new Item

- 10 "S" Hook (modified) (SK) 19" handle  
Heavy scrub cutting
- " 13 Item 1 - delete (RB) and substitute via H/Q.  
" " " 2 - " " " " " "  
" " " 3 - " " " " (ST) E and W  
(STN) S  
" " " 4 - " " " " (ST) E and W  
(STN) S
- " " Add new Item  
10 Timber Scribe\*  
(Syracuse tree marker) (ST)
- " " Add note at the foot of the page  
" Items 3 and 4 - England and Wales - J. H. Steward Ltd.  
- Scotland - W. F. Stanley & Co. Ltd.
- " 15 Items 6 and 7 delete remarks
- " 19 Item 1 delete (SW) and substitute (SH)?
- " 21 Item 11 amend to read "2 rings"
- " 24 Add new Item  
11 Hookaroon Sooline 219 (IS) Regular head,  
36" handle
- " 25 Item 2 delete (H) and substitute (BH)
- " 25 Add new items  
15 Edge Tood Gauge via. H/Q } for use with  
16 Carrying Frog via. H/Q } sharpening stone.  
page 29 item 8.
- " 26 Item 13 delete 135/136 and substitute 136
- " " Add new Item  
15 Vice holder 137 (SV) for vices 135 and 136
- " 29 Add new item  
8 Scythe Medium/Fine  $9\frac{1}{4}$ " x  $1\frac{3}{8}$ " x  $\frac{1}{2}$ " 572 (UG) Edge Tools
- " 30 Item 1 Catalogue Ref. - amend (PC) to read (PD)
- " 31 Item 3(a) - after Plugs insert (Sonex)  
- under Size insert - Small  
- Medium  
- Large.  
- under Cat. Ref. insert (AMP)  
- under remarks - delete - "Obtainable from  
Training Forester" and substitute "Minimum  
order 100".

|         |                                                           |   |                                                                                                                                                           |
|---------|-----------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Page 31 | Item 8                                                    | - | delete "leather" and substitute<br>"Pearl hide, one finger mitt".                                                                                         |
|         |                                                           |   | delete "Training Forester" and<br>substitute (HN).                                                                                                        |
| " "     | Item 9 add<br>Norstar Bonanza<br>Major                    | - | ST 320 (NO) for mechanics.                                                                                                                                |
| " "     | Item 10                                                   | - | delete 9152 (NB) and substitute<br>9289 (UN) - calf length.                                                                                               |
| " "     | " " add<br>Semperpress<br>Oil Boy                         | - | 65769-08 (SM) for chemical spraying                                                                                                                       |
| " "     | Add new Item<br>Item 11<br>Gloves (Vinyl<br>Impregnated). | - | Men - M. or L. STD1-114 (SC) for nursery<br>Women M. or L. STD1-116 (SC) workers.                                                                         |
| Page 20 | Item 3<br>second group<br>of sizes                        | - | delete 9" x 11 $\frac{1}{2}$ " and 15" x 17 $\frac{1}{2}$ "<br>insert size 2, before 10"<br>" " 4, " 11"<br>" " 6, " 12"<br>" " 8, " 13"<br>" " 10, " 14" |
|         |                                                           |   | delete reference 612 (ET) and substitute 2213 (ET)                                                                                                        |
| Page 21 | Item 10                                                   | - | Amend ref. No. 71002 to read 71102<br>Amend ref. No. 71304 to read 71203                                                                                  |
|         |                                                           | - | Add 7 $\frac{1}{2}$ " Oregon 71304 (S & J).                                                                                                               |

Purchasing Branch.  
H.Q. (Basingstoke)  
26th November, 1968.

Distribution:

Director Research  
Territorial Conservators  
Deputy Surveyor  
Education and Training  
Work Study  
All Tool List Holders.