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## **Spare parts etc; for miner's safety lamps.**

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#### **Introduction,**

Both the appearance and value of a lamp can be affected by missing or damaged parts. With this in mind, I have put together the following list of items that I can supply to other safety lamp collectors. I can offer you some advice on restoring your lamps if requested.

My stock of spares originated from the complete stock of old and unused obsolete parts and tooling that I obtained from The Protector Lamp & Lighting Co Ltd. I have since then, gone on to have other tools made to enable me to produce various parts for other makes. I am basically a miner's lamp collector, lamp restoration is also part of that hobby. This is not a business and any money generated from parts goes towards buying more lamps for my collection or tools to make more parts.

**There are additional name plates, a few deletions in various sections and a 'Latest Additions' has been added on the back page. There are some price alterations.**

**It is important to note that my parts are not approved for any underground situation and are only intended as replacements for use on obsolete non-working lamps.**

**Postage is extra on all orders.**

#### **Name-plates.**

I can supply a range of nameplates which are stamped out for me by some of the original nameplate manufacturers using a mixture of old tooling where it has survived and new tooling that I have had reproduced. All of the tools belong to me to ensure a continuity of supply for the future.

1. **Ackroyd & Best Ltd., Leeds.** This is the normal circular brass plate similar to the 01 types but without any model number.
  2. **Ackroyd & Best Ltd., Leeds.** Same as above but in copper, for use on the aluminium lamps.
  3. **W. E. Teale & Co Ltd., Swinton, Lancs.** An oval brass plate suitable for most of their lamps. The model number is left out and can be stamped in with hand stamps – I can do this for you if you wish.
  4. **Patterson & Co. Newcastle-on-Tyne.** The usual heavy duty oval brass plate with a plain centre.
  5. **Patterson Lamps Ltd., Gateshead-on-Tyne.** As above.
  6. **Patterson Lamps Ltd., Gateshead-on-Tyne. Type GTL9 (price £4.50)**
  7. **Patterson Lamps Ltd., Gateshead-on-Tyne. Type M.IG (price £4.50)**
  8. **John Mills & Sons Ltd., Newcastle-on-Tyne.** An oval brass plate as used on the JMS 1 & 2.
  9. **John Davis & Son (Derby) Ltd.,** For type No 2 an oval brass plate as used on the side of the bonnet.
  10. **John Davis & Son (Derby) Ltd.,** For type No 2A. A round brass plate for fitting to the bonnet top crown.
  11. **John Davis & Son (Derby)Ltd.,** A round brass plate for both types of Dwarf lamps for fitting to the bonnet top crown.
  12. **J. H. Naylor. Ltd., Wigan.** This is the rectangular shaped acid etched plate with the shaped ends. Brass with black infill.
  13. **E. Thomas & Williams Ltd.,** Type G2. A slim oval brass plate as used on their version of the Garforth lamp.
  14. **E. Thomas & Williams Ltd.,** A small oval brass plate as used on some of their early bonneted No 1 type lamps. Not many of these left.
  15. **E. Thomas & Williams Ltd.,** The larger oval plate used on later No 1 and No 9 lamps and all of the variations. I can supply this in brass and aluminium while stocks last.
  16. **Ackroyd & Best Ltd., Leeds.** This is the oval plate used on lamps prior to the 01 types and I can supply it in both brass and aluminium.
  17. **Protector Lamp & Lighting Co Ltd.,** Type MC40. This is the normal size of brass plate but is for the 1940 lamp produced for Manchester Collieries Ltd.
  18. **Protector Lamp & Lighting Co Ltd.,** Type CT33A. Also CT33. These are the plates for the high candle power lamps and I can supply them in brass and also aluminium.
  19. **Protector Lamp & Lighting Co Ltd.,** Plain, no Type ref; often used on the BL lamp.
- All of the above mentioned nameplates are priced at £4 each, plus postage. (except the Pattersons where indicated) If you would like to include 2 rivets then the total is £4.50 each.**
20. **Protector Lamp & Lighting Co Ltd.,** I can supply the normal brass plates for the following models **Type SL, Type 6RS, Type GR6S, Type 6, and Type JCM1.**  
**All of these Protector plates are priced at £3 each.**
  21. **Bests Gauzeless Lamp Co Ltd., Leeds.** This is the large oval brass plate as used on lamps with either steel or aluminium bonnets. **These are £8 each.**
  22. **Bests Gauzeless lamp Co Ltd., Leeds.** The rectangular wrap-around brass nameplate that is used on most of these lamps. **£15 each**
  23. **Naylor, Spiralarm Type ‘M’.** This is the oval brass plate with the black background. Same tools & same manufacturer! **£4-50 each.**

24. **Naylor, Spiralarm Type 'S'**. The type 'S' is the one with the longer red glass. **£4-50 each.**
25. **Naylor (Abbott, Roby, Naylor) Bifold.** **£4.50**
26. **Hailwood & Ackroyd, High Candle Power, Lamp No1.** Sausage shaped label in aluminium with a black background. **£5 each.**
27. **Hailwood & Ackroyd, High Candle Power, Lamp No1.** A similar sausage shaped label which reads 'Approved Under Lighting Schedule'. **£5 each.**
28. **Hailwood & Ackroyd, High Candle Power. Lamp No1.** As above but reading 'Approved Under Lighting Schedule A'. **£5 each.**
29. **Hailwood & Ackroyd, High Candle Power.** A smaller and slimmer etched aluminium label as used on the type ADC4 and reading 'Approved Under Lighting Schedule A'. **£5 each.**
30. **E.Thomas & Williams Ltd.** a few original small labels for their K2 lamp. I think that this is an electric lamp. **£4 each.**
31. **E.Thomas & Williams. Midget.** This is the long narrow oval brass plate with the word Midget hand stamped as per the originals. The original tools are now a bit worn but the plate probably looks more like the original as a result of this. The plate may be slightly longer than some but if this is the case it only means that you have to drill one extra hole. **£6 each.**
32. **E.Thomas & Williams.** Long narrow oval brass plate same as above but without the word Midget. This plate was used on some of their 1940s - 60's safety lamps. No model number. **£5 each.**
33. **Bests Safety Lamp Co Ltd.,** Oval brass plate for 'Excelsior No 1' **£4.50 each.**
34. **Bests Safety Lamp Co Ltd.,** Oval brass plate for 'Excelsior No 2' **£4.5 each.**
35. **Wolf Safety Lamps. Leeds.** The thin banana shaped badge. **£4 each.**
36. **Cremer Lamp & Engineering Co. Ltd., Leeds.** an oval brass badge **£5 each**
37. **Wolf Patterson 7R** a genuine old unused plate. **£6 each**
38. **Wolf Patterson 7RMB** a genuine old unused plate. **£6 each**
39. **Wolf Patterson 7S** a genuine old unused plate. **£6 each**
40. **Wolf Patterson 7SMB** a genuine old unused plate. **£6 each**
41. **Wolf Patterson 7SEMB** a genuine old unused plate. **£6**

**Note:-** If you require 2 rivets please add 50p per badge.

**Rivets for nameplates.** I can supply a mixed bag of 3/32 inch and 1/8<sup>th</sup> inch rivets at a price of **£3-50 for 50.**

## **Metal Chimney or Combustion Tubes for HCP lamps..**

**E.Thomas & Williams Ltd.,** for Type No 4. This is a straight tubular chimney with three clips to hold the inner glass. **£28. Each.**

**Protector HCP types CT33 & CT33A.** a hand-made tapered metal chimney **£28 each.**

**Hailwood & Ackroyd.** Metal chimney for **HCP Lamp No1.** This is a devil to make as it is one of the floating chimney's hence the price of **£39.** If you think that's too much then try making one!

**Hailwood & Ackroyd.** Metal chimney for **HCP Type ADC 4.** Another of the floating types **£38.** Again, try making one!

**Hailwood & Ackroyd.** Metal chimney for **HCP Type WB2.** This one has a bigger diameter inner glass which is held in place with a bayonet fitting nut against three flat springs. **£42.**

**Davis of Derby.** Metal chimney's for any of their lamps with a 63mm diameter outer glass. This is the chimney with the screw cup for taking the glass. **£29.**

**Patterson H.C.P.9.** This chimney is for the last Patterson HCP lamp with the glass suspended from it. **£30.**

**Bests Gauzeless** inner steel tube complete with outer coil spring. **£24.**

## **Outer Glasses.**

**Some unused old, and some new. All sizes in mm's**

**Standard Protector size 58 x 59. £10.50 each.** These fit many other lamps.

**Genuine old glasses from Protector,** size as above, with part silvered reflector for surveyors and officials, Limited stock and not repeatable **£18 Each.**

**Dark green** glasses, again **genuine old Protector stock.** Probably used by surveyors or for signalling. Limited stock and not repeatable. **£18 each.**

**Protector size** glasses with white enamelled part reflector. **£12 each.**

**Genuine Ruby** glasses for J.H.Naylor 'Spiralarm' type M. Limited stock. **£12 each.**

**Genuine Ruby** glasses for " " " S "  
**£19 each.**

**Genuine** old outer glasses for Protector CT33 & CT33A HCP lamps. size 63 x 70. Limited stock. **£12 each.**

**57 x 67** a glass used by many manufacturers. These have been produced with the size and the logo 'MP'. **£14 each**

**Ackroyd & Best or Hailwood** glasses size 56 x 63 and 56 x 67 all **£12**

**Hailwood ADC 4** size 65 x 76 **£15 each**

**Stanley 'disaster lamp'** glasses **£4-50.**

**Naylor.** Size 58 x 60 **£11**

**Naylor HCP** size 65 x 70 **£14**

**Naylor** size 54 x 54 **£10**

**Patterson HCP** outer glasses 65 x 76. **£15 each.**

**Patterson GTL9** size 57 x 67 **£12 each.**

**Bests Gauzeless** outer glasses 57 x 77. **£14 each.**

**Baby Wolf** - **genuine ex-Wolf stock, limited supply.** Size marked on glass 43 x 41 with 'MP' & Wolf logo. **£15 each.**

**Baby Wolf** size glasses but unmarked. **£7 each.**

**Davis Dwarf** glasses unmarked **£7 each.**

**E.Thomas & Williams Midget** unmarked. **£7 each.**

**E.Thomas & Williams Type M3.** unmarked. **£7 each.**

**E. Thomas & Williams Jack Davy** glasses. **£12.**

**Clanny type** glasses in the normal size of 62 x 60. (I know the size is 63 x 60 but this diameter isn't available) **£12 each.**

**Clanny type** glasses in the size 65 x 60. **£14 each.**

**60 x 60** glasses for many different lamps **£11 each.**

**Wolf genuine old stock with markings.** 60 x 60 for 7RMBS and FS range. **£14**

**Thorneburry** outer glasses as used by Protector, Teale and Baxendale. 70 x 62. **£15 each.**

**E.Thomas & Williams No4** outer glasses 62 x 66. **£12 each.**

**Ashworth, Hepplewhite, Grey,** handmade small conical glasses that look very genuine. **£26 each.**

**Bainbridge** handmade tapered glasses **£28 each**.

**Early Stephenson** handmade glasses in two lengths and with a taper at one end. Both are **£30 each**.

**This is not the full list so please ask for the size you want and I will try to help.**

**All quoted sizes are approximate and as near as possible to the originals.**

## **Inner Glasses.**

**Genuine old** glasses for Protector HCP lamps Type CT33 & CT33A. flanged at end. **£8 each**.

" " " " Davis Derby lamps. (very limited stock) **£8 each**.

**E.T&W No4** with locating groove. **£16 each**.

**A&B or Hailwood** type 01B small straight glass. Two sizes **£4-50 each**.

**Davis "Dalight"** **£14 each**.

**Naylor HCP lamps** this glass fits both types. **£14 each** (yes I know! but they are all handmade!)

**Hailwood ADC4**. Glasses **£14 each**.

**Hailwood ADC3**. glasses **£6 each**.

**Ackroyd No1**. HCP glasses **£12 each**.

**Hailwood WB2**. glasses **£12 each**.

**Bests Gauzeless**. glasses **£8 each**.

**Thorneburry** glasses size 50 x 62. as used by Protector, Teale and Baxendale. **£9 each**.

**Patterson HCP** long glass with a bulged section and nut for fixing to burner dome. **£22 each**.

" " long straight glass flanged at one end and without nut. ( Don't panic if you've 'lost your nut' as these are available separately) Straight glasses are **£10 each**.

**Patterson HCP brass nuts for inner glass**. **£9 each**

**Patterson HCP 9**, the last Patterson HCP lamp with the 'beehive' bonnet. This is the short glass suspended from the combustion tube. **£10-50 each**.

## **Bonnets.**

**I can make the following bonnets but I don't always have stock available 'off the shelf' as I only make small batches at a time to prevent boredom.**

**Patterson HCP**. I make the normal corrugated type and can supply them in 'aged' steel for **£25 each** or in polished brass for **£26**.

**Richard Johnson, Clapham & Morris, (JCM)** I make a 'slide-off' bonnet for their type No4 and again I 'age' the steel to blend in with these old lamps. The price is **£22 each** or **£24** for the same thing in brass. I can also supply this type in polished aluminium for **£23**.

**E.T&W Type No 15** bonnets, similar to the above. Aged steel **£24 each**. Why £2 more?

There's more slots, takes longer, that's why!

**J.H.Naylor**. A similar lamp again but without the extra holes so yes, it is **£22 each** for 'aged' steel.

**Protector & JCM** type lamps with the wide tapered middle ring, not such a long bonnet but more of a fiddle to make **£24 each**.

**Protector & JCM** lamps with the bell shaped middle ring, it looks cylindrical but in fact is slightly tapered **£25 each** for 'aged' steel.

**JCM short stubby bonnet** for the official's lamp with the wide tapered middle ring. **£25 each.**  
**W.E.Teale, Meyers patent louvred bonnet.** A pair of inner and outer for **£125 the two.** (only a few sets left and I won't be making any more because of the time it takes me - there's better things to do in life!)

**Protector, new, complete stainless steel, for Type 6, SL and GR6S.** **£22 each.**

**Protector, mild steel bonnets with inner copper tube and deflector for type 6RS** **£24 each.**

## **Gauzes. I have stopped making gauzes but have a few left.**

**Protector.** genuine pair of gauzes which will also fit some other makes of lamps. **£24 pair.** Or, outer only **£16**, inner only **£11 each.**

**E.T&W Midget** gauzes Pair.**£45.**

**Baby Wolf** gauzes. Pair. **£35.**

**Patterson HCP.** single gauze, the narrower version, **£22.**

**Protector Davy** gauzes. **£18 each.** The same gauze in copper **£20.**

## **BESTS GAUZELESS.**

I make the following inner parts for these lamps.

**Inner metal chimney** see combustion tube section.

**Outer perforated air filter.** **£38 each.**

**Perforated burner domes** with glass cup for inner glass. **£28 each.**

## **PATTERSON HCP.**

See Bonnet, Gauze & Glass sections. Plus the following items.

**Brass nuts** for fixing the straight inner glasses are available at **£9 each.**

**Patterson HCP burner covers.** The part with the perforated body to which the chimney is fixed, very similar to the originals **£25.**

I can make the round insulator for the underside of the vessel for the electric ignition system **£2 each plus post.**

If the complete ignition system is missing then I may be able to rebuild it for you, please ask.

## **ASSORTED PARTS.**

**Brass eyelets** for top of bonnet **£3.50 each.**

**Steel eyelets.** **£3 each.**

**Brass hooks.** **£4.50 each.**

**Steel hooks.** **£3-50 each.**

**Cast brass eyelets, as rough castings for you to file & polish.** **£3-50 each.**

" " ". **filed and polished.** (when available) **£9 each.**

**Hasp, staple & rivet set** ( for JCM's with the sliding ring.) These are the genuine left-over stock and are hot brass stampings so they need minimal filing and polishing **£7 set.**

**Brass strip** for you to make a sliding band **£3.50 each**. You need to be able to bend the ends and drill the holes for the rivet.

**E.T&W. long hasp & staple set** consisting of hasp, staple and 'U' link to go around bar. As cast **£10 per set or £15 polished. (when available)**

**Base plate** a heavy duty pressed brass base originally made for Protectors JCM1. Not pierced for wick adjuster so can be used on any lamp that takes a 75mm baseplate. **£2 each**.

**Protector SL base plates £2 each.**

**E.T&W.** brass base plates, 84mm diam, could also be used on some Davis of Derby lamps. **£5.**

**Jos Cooke of B'ham** base plates in steel, not pierced for wick adjuster. **£6.**

**Burners**, round & flat wick types with various diameter base plates. From **£9 upwards**. Please give details of what is required for an exact quote.

**Steel Gauze.** 30cm x 30cm. **£12. each. Not always available.**

**Spring handles** for operating flint ignition systems on Wolf 7RMBS and GFS, E.T&W No4 gas tester and G2. This is the spring part only, **£5 each. Spring handle with threaded brass union to screw onto the spindle £10-50 each.**

**Spring handles** for Baby Wolf, E.T&W Midget and Davis Dwarf. **£5 each. Complete assembly as for Wolf £10-50 each.**

**Baby Wolf.** spoon shaped spark guard to slide onto burner tube. **£9 each.**

**Protector MC40** bakelite glass cups **£5 each.**

**Protector HCP type CT33 & CT33A** burner domes. **£28 each.**

**Porcelain insulators** these are genuine insulators used on many electrically lit lamps. **£6.50 each.**

## **PROTECTOR SPARES.**

**I can supply almost anything for the later types of Protectors i.e. Type 6, HL, BL, SL, JCM1, 1A, 6RS, and the GR6S. Please ask.**

**IGNITION KEYS** to operate the flint wheel. **£5 each.**

**Plugs for side aperture on GR6S** **£2 each**

**Or with chain £7 each**

**Non-asbestos washers for the glass.** **£3 pair.**

## **LAMPS.**

**Protector 1/2 size lamps.** These were originally made for a colliery manager as a car bonnet motif in 1947. Protector continued to make them until 1999 when I acquired all of the remaining parts and tools. These are none working decorative items often used as presentation lamps and they are fitted with glasses bearing the logo **Protector Centenary 1873 - 1973**. The lamp is available all brass or with stainless bonnet and the cost **£39 each**. Only available while the stock of parts last, I will not be making any more.

**Protector Type MC40** an all brass lamp made from the remaining obsolete parts from the factory. Supplied in polished brass with a stainless steel bonnet and in mint condition **£75 each**.

**Protector Type JCM1** again made from the remaining obsolete parts from the factory and available in polished brass as above for **£75 each**.

## Springs.

Flick springs for Baby Wolf ignition systems. **£5 each**

Flick springs for ET&W Midget ignition systems. **£5 each.**

Coil springs for the top of the ignitions - the one below the flint wheel - on Wolf 7RMBS types **£5 each.**

Tapered coil springs for Best's patent sprung eyelet. **£4-50**

Flint springs **£3 each.**

**Old lamps** I sometimes have some old restored lamps for swaps or sale, please ask.

## OTHER ITEMS.

**Flame cards.** A genuine Protector issue showing the flame heights and percentages. **£4 each.**

**Protector spares booklets** for the now obsolete Type 6 and SL. Well illustrated with photographs and line drawings. All parts are named **£14 each.**

**Protector Letter knives.** Used many years ago as a promotional gift by the factory. Fully marked on the handle with Protectors name. Eight inches overall, they are brass throughout and the blade is marked as a ruler, 4 inches on one side and 10 cm's on the other. **£20 each.**

## Latest additions.

I have been fortunate in obtaining a collection of original miners lamp catalogues which were gathered together by **Mr E. A. Hailwood** around 1910, some of which are not known to exist anywhere else. I also have a collection of old catalogues and have had re-prints made from both collections. Please ask for details.

I have other parts but not in sufficient quantities to list. Please ask, I will help if I can.

## Remember.

**Postage is extra on all items and is dictated by the parcel weight. I am able to send parts worldwide.**