



HACKETT HARROWS

Timeless Technology

William Hackett *Chain Products Limited*

Reasons for Harrowing

Our range of harrows is designed to cover all applications from large farms, small holdings and equestrian venues to sports fields.

Harrowing should be carried out as part of any pasture management programme, in the spring ahead of rolling and before any fertilizer application.

Chain harrows were originally designed to work behind horses and it is best done at walking pace (6 kph) which was the average working speed of a horse.

Harrowing removes dead thatch lifts vegetation up and levels any mole hills. Its job is to allow air movement and root aeration which helps the soil to breathe and improves water infiltration. It reduces disease by exposing fungi and bacteria to sunlight which is essential for the health of the pasture.

Timing is critical and ideally harrowing should be undertaken in dry, warm conditions, as the harrows break up and spread any droppings allowing them to dry out and kill any parasites.

Chain harrows can also be used in arable conditions for seed bed preparation and covering seed after drilling. When used on sports fields they are very effective at removing and spreading worm casts and ripping out moss.

Chain harrows can be used for levelling all weather race tracks and indoor or outdoor jumping arenas and maneges.



Reasons for Harrowing

Reasons for harrowing include:

- Pasture renovation; breaking up and levelling heavy soil.
- Removal of dead grass from the base of healthy grass.
- Helping to remove lightly rooted weeds.
- Root aeration; for better water infiltration and growth.
- Works in fertilizer to both spread and maximize effectiveness.
- Surface levelling in equestrian centres, race tracks, and running tracks.
- Stimulates growth by aerating and tearing out thatch.
- Environmentally friendly grass care.
- Seed bed preparation.
- Excellent for ripping out moss, spreading manure, and levelling mole hills.



Trailed Harrows

Trailed chain harrows include, Heavy Grass, Superflex, Chain & Spike and Paddock. They are designed to be towed behind tractors or other suitable vehicles.

Trailed chain harrows are available in widths from 4'-0" through to 20'-0". They can be supplied complete with drawbar or mats only.



Universal drawbars are manufactured from heavy duty steel tube complete with chain draft. The drawbars are fitted with a steel attachment bar with welded spacers to allow universal attachment points and are designed to pull the harrows at the correct angle so that the ground is completely covered.



Trailed Harrows



Superflex Harrows



Our Superflex chain harrow section is designed to be compatible with Parmiter frames and drawbars. Manufactured from 1/2" diameter high quality carbon steel ensuring that the harrow is extremely strong with a high resistance to wear. The section is supplied in 3'-3" widths x 7'-6" depth.

Mounted Harrows

All frame wings have gusset plates welded to the corners to add strength and rigidity to the frame. To make the frames universal, chain links are welded along the front and rear bars so any type of harrow style can be accommodated. Mounted harrows are available in widths of 6'-0" through to 16'-0" wide with a depth of 7'-6", frames of 10'-0" and over have folding wings for ease of transportation.

The smaller frames are rigid and delivered flat packed on pallets. All frames are supplied for self assembly. Mounting brackets are fitted to frames from 12'-0" and over to make retro fitting of the hydraulic folding kit easier.

Folding is a simple one man operation taking only seconds. Hydraulic folding is an optional extra on all folding frames.

Our mounted harrows are designed to pull the harrows at the correct angle so that the ground is completely covered.



Universal Mounted Frames

Mounted Frame Attachment

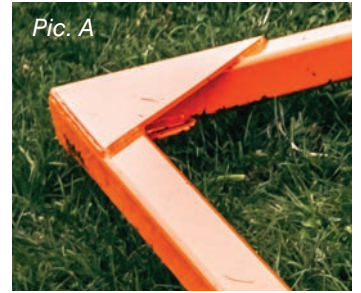
All mounted frames are supplied in flatpack form for self assembly and ease of transportation. Frames 6'-0" to 8'-0" wide are of bolt together construction and those 10'-0" wide and over consist of a fabricated all welded centre frame and folding wing sections. Comprehensive assembly instructions are supplied with all mounted harrows.

All universal frames are constructed from 60mm x 60mm R.H.S. for additional strength and rigidity

All frame wings have gusset plates welded to the corners (*Pic. A*) to add strength and rigidity to the frame. Chain links are welded along the front and rear bars (*Pic. B*) to accommodate our complete range of harrow sections.

Mounted harrows are available in widths of 6'-0" through to 16'-0" wide with a depth of 7'-6", frames of 10'-0" and over have folding wings for ease of transportation along roads and through gateways.

Folding is a simple manual operation, alternatively a hydraulic folding kit (*Pic. C*) is available as an option on all folding frames. Mounting brackets are fitted as standard, to frames from 12ft and over to make retro fitting of the folding kit easier.



Paddock Harrows



Paddock harrows are designed to cover all applications from small holdings to sports arenas and equestrian centres and are manufactured from 1/2" diameter high quality high carbon steel which ensures that the harrow is extremely strong with high resistance to wear.

Trailed Harrows are available in widths from 4'-0" up to a maximum of 8'-0" with a depth of 5'-0" and are designed for towing behind ATV's, compact tractors, quad bikes and ride-on mowers.

Mounted Harrows are available in widths from 4'-0" to 12'-0" with a depth of 5'-0" and are designed for use with compact tractors. Harrows over 4'-0" wide are manual folding.

These harrows can be supplied complete with drawbars or frames and sections can be supplied separately if required.



Specifications

MOUNTED HARROWS

Type	Depth	Tine Size	Working widths and Weight (Kg) Complete						
			4'-0"	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"
Heavy Grass	7'-6"	½" dia x 2½"	-	160	205	290	315	345	375
Chain & Spike	7'-6"	½" dia x 3½"	-	195	240	320	350	390	422
Paddock Grass	5'-0"	½" dia x 2½"	115	125	145	-	175	-	-
Paddock Flexible	5'-0"	½" dia x 3½"	125	155	170	-	215	-	-

TRAILED HARROWS

Type	Depth	Tine Size	Working widths and Weight (Kg) Complete								
			3'-3"	4'-0"	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	20'-0"
Heavy Grass	7'-6"	½" dia x 2½"	-	60	-	130	160	185	225	255	320
Superflex	7'-6"	½" dia x 2½"	31	-	-	-	-	-	-	-	-
Chain & Spike	7'-6"	½" dia x 3½"	-	75	-	140	175	210	245	277	346
Mini Heavy Grass	6'-0"	½" dia x 2½"	-	48	-	-	-	-	-	-	-
Paddock Grass	5'-0"	½" dia x 2½"	-	37	44	68	-	-	-	-	-
Paddock Flexible	5'-0"	½" dia x 3½"	-	50	60	97	-	-	-	-	-

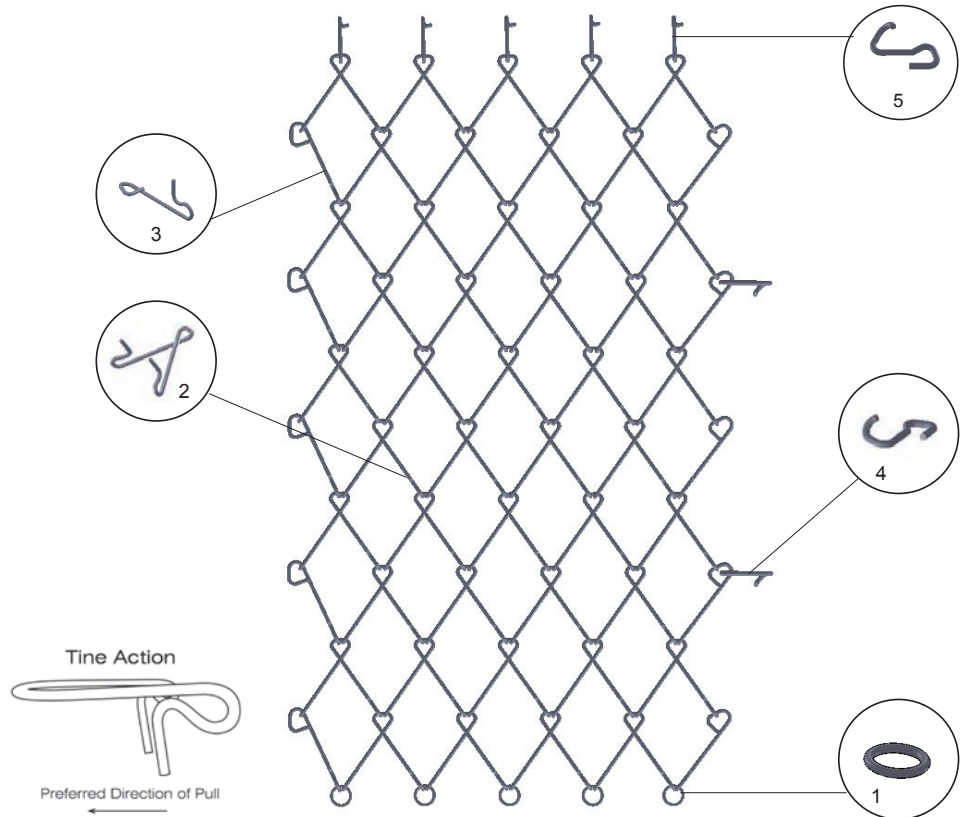
APPLICATIONS

Type	Application
Heavy Grass	For established pastures, general grass work, excellent for ripping out moss, and spreading manure
Superflex	For established pastures, general grass work, excellent for ripping out moss, and spreading manure
Chain and Spike	For established pastures, excellent for ripping out moss, spreading manure and levelling mole hills
Paddock	For use on contact tractors and ATV's for paddock renovation, spreading manure and levelling mole hills, also suitable for sports fields, indoor and outdoor riding arena's and golf courses

Harrow Spare Parts

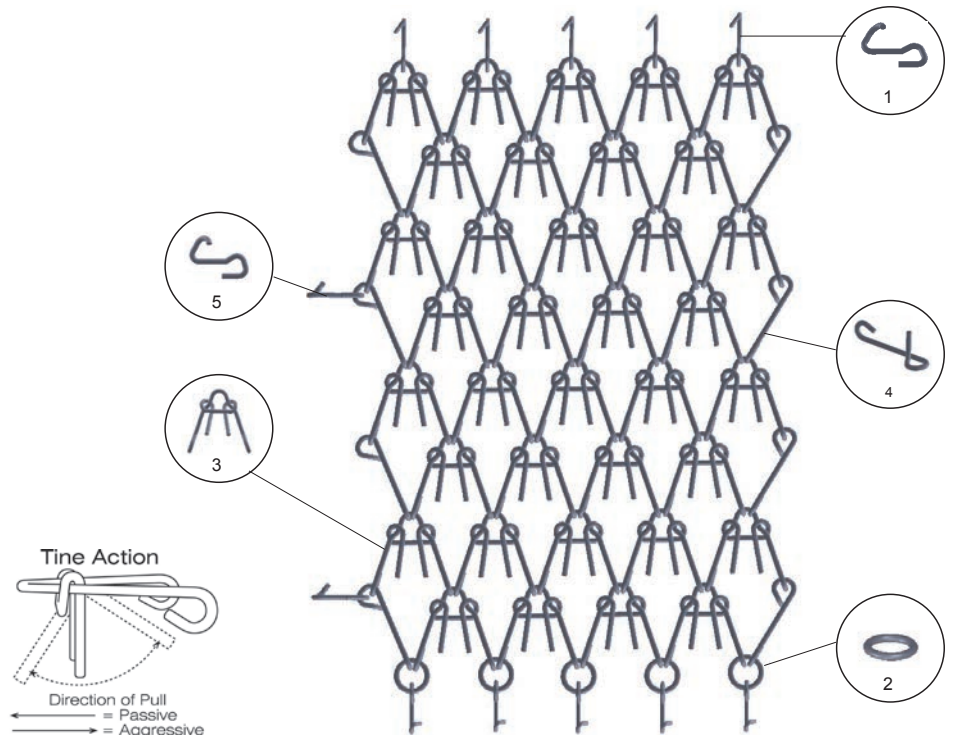
HEAVY GRASS, PADDOCK GRASS AND SUPERFLEX

- | Item | Part No. |
|------|--|
| 1 | 121.01.12.50
12mm Drop Forged Ring |
| 2 | 979.125.WT
Body Link (Working Tine) |
| 3 | 979.125.SI
Side Link |
| 4 | 990.125.SH
Side Hook |
| 5 | 990.125.PT
Pigtail Connecting Hook |



PADDOCK FLEX

- | Item | Part No. |
|------|---|
| 1 | 990.125.PT
Pigtail Connecting Hook |
| 2 | 121.01.12.50
12mm Drop Forged Ring |
| 3 | 990.125.TA
Body Link (Working Tine) Ass. |
| 4 | 990.125.SI
Side Link |
| 5 | 990.125.SH
Side Hook |



The policy of William Hackett Chain Products Limited is one of continuous improvement. The right to change specifications or equipment at any time is reserved. All weights and measurements shown in the brochure are approximate.

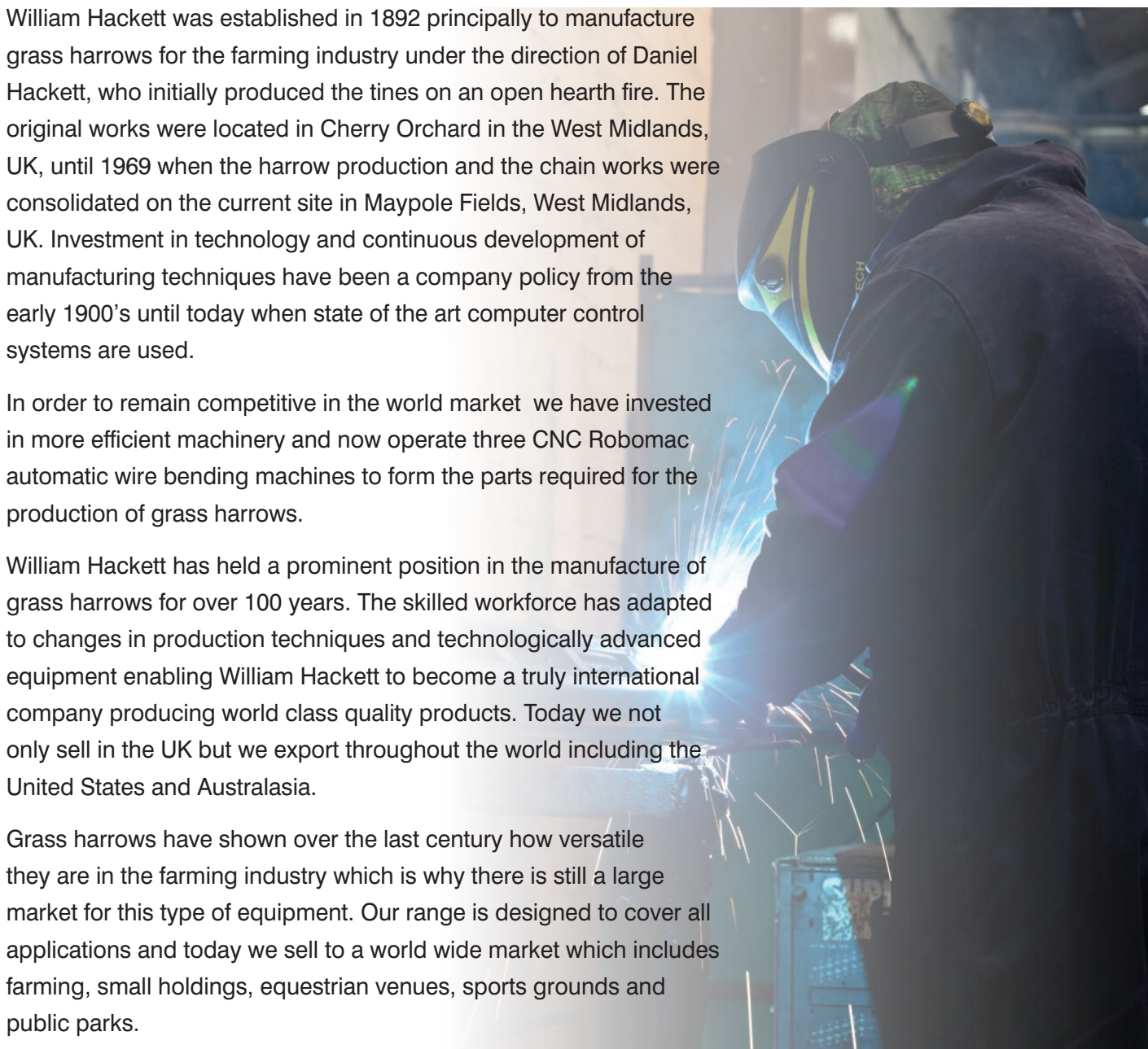
History

William Hackett was established in 1892 principally to manufacture grass harrows for the farming industry under the direction of Daniel Hackett, who initially produced the tines on an open hearth fire. The original works were located in Cherry Orchard in the West Midlands, UK, until 1969 when the harrow production and the chain works were consolidated on the current site in Maypole Fields, West Midlands, UK. Investment in technology and continuous development of manufacturing techniques have been a company policy from the early 1900's until today when state of the art computer control systems are used.

In order to remain competitive in the world market we have invested in more efficient machinery and now operate three CNC Robomac automatic wire bending machines to form the parts required for the production of grass harrows.

William Hackett has held a prominent position in the manufacture of grass harrows for over 100 years. The skilled workforce has adapted to changes in production techniques and technologically advanced equipment enabling William Hackett to become a truly international company producing world class quality products. Today we not only sell in the UK but we export throughout the world including the United States and Australasia.

Grass harrows have shown over the last century how versatile they are in the farming industry which is why there is still a large market for this type of equipment. Our range is designed to cover all applications and today we sell to a world wide market which includes farming, small holdings, equestrian venues, sports grounds and public parks.





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