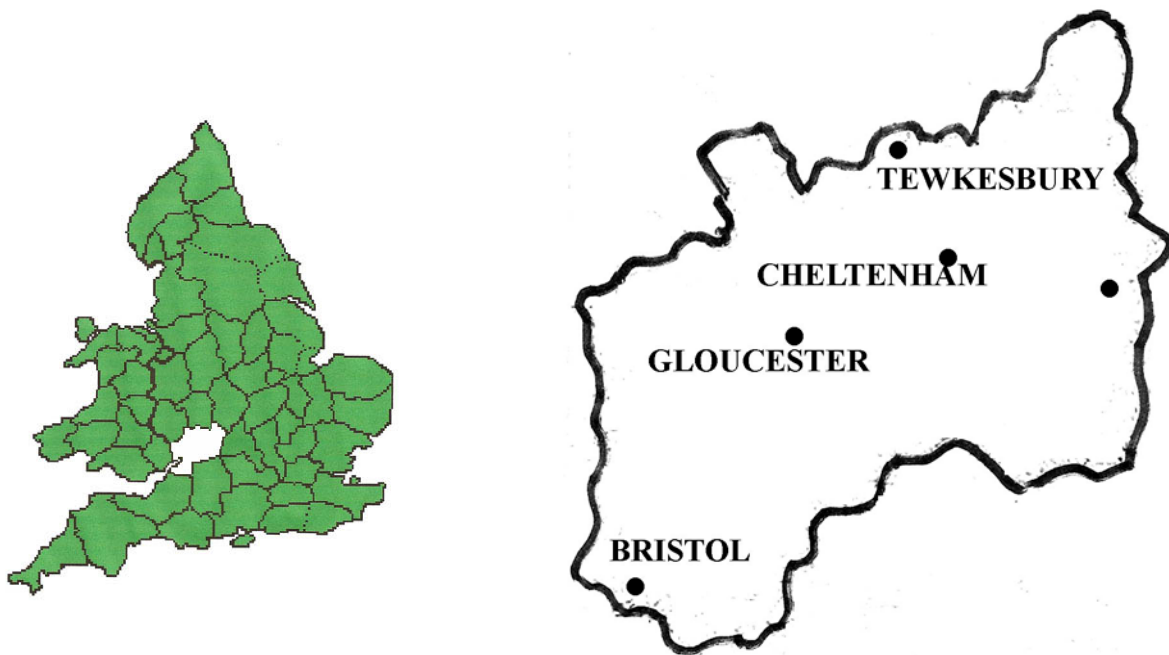


GLOUCESTERSHIRE






Gloucestershire is a large county in the west of England, bordered by Monmouthshire, Herefordshire, Worcestershire, Oxfordshire, Wiltshire and Somerset. The city of Bristol, located at the mouth of the river Severn, is the dominant feature, although parts of the city have been regarded as lying in Somerset at various times.

The county authorities obtained standards in 1826, and a regular system of inspection was set up in 1834-35. The responsibility for inspection passed to the county police in 1850. Qualified inspectors were appointed from 1889 onwards, but they remained under police control until 1938. In 1974 a new county of Avon was established, and further reorganisation followed towards the end of the century.

The city of Bristol was one of England's major ports for many centuries, and a local mint operated there on several occasions. The city was not subject to the authority of the county. Standards were obtained in 1826, but were kept by a ceremonial officer until 1837, when a regular full-time inspector was appointed. Other localities with separate jurisdiction in the nineteenth century were Gloucester, Cheltenham and Tewkesbury, but only Bristol and Gloucester survived after 1890. Several manorial jurisdictions in the Cotswold region also claimed independence in the 1830s.

The importance of Bristol meant that a trade in scales and weights had long existed there, and in the 1770s several Bristol firms were involved in the provision of scales and weights for checking gold coins. In the 1820s the Parnall family entered the trade, and eventually there were two major firms of that name based in Bristol, the relationship between them being often obscure and variable. A London scalemaker, John Bartlett, moved to Bristol in 1831, and his business also became a major supplier of scales and weights throughout the west of England. Scalemakers also operated in Gloucester and Cheltenham.

A: Inspection by the County of GLOUCESTERSHIRE

Dates	Events	Marks	Comments
1826	1 set of standards [278] verified.		26 hundreds, 8 divisions.
1829	2 more sets verified, for Bristol [418] and Tewkesbury [403] divisions.		<i>Inspectors 1834-50:</i>
1834	8 inspectors appointed (Cheltenham omitted); 5 more sets [497-8, 525-6, 569] verified.		1. Bristol: Thos. Christopher (1834-41) (examiner 1827-29 [SBk]) George Chick (1841-42-)
1835	9 inspectors appointed; 1 set of standards [625] verified.		2. Dursley: Nigel Riddiford (1834-47-)
1840	County police formed.		3. Stroud: Thomas Watkins (1834) Francis Pickard (1835-41-)
1849	Another set of standards [1032] issued.		Thomas Pickard (-1849-50)
1850	Police take over in all districts. Tewkesbury district combined with Cheltenham.		4. Coleford: William Court (1834-1844-)
1850	Police take over in all districts. Tewkesbury district combined with Cheltenham.		5. Gloucester: John Brown (1834-35-)
1867	8 police superintendents act as WM inspectors. Later more than 8 police districts were listed.		6. Tewkesbury: Charles White (1834-35-)
1868	1 set of standard weights [1415] verified.		7. Cheltenham Elisha Castle (1835-49) Henry Forty (1849-50)
1882	Numbers 408-415 issued to 8 police districts, as below.		8. Cirencester: Charles Heaven (1834) Thomas Hartnell (1835-50)
1885	1 set of standards [1864] issued.		9. Moreton: John Lardner (1834-38) *** Lardner (1839-)
Police officers as inspectors 1850-1889			
1. Bristol 408: Thomas Box (1850-66&) David Rawle (1866-81) John Matthews (1881-89)		4. Forest /Coleford/Newnham 411: Charles Griffin (1850-59&) William Taylor (?1859-65) James White (1865-71) Edward Chipp (&1871-77&) Donald McRae (1877-83&) Grantley Ford (&1883-89)	
2. Dursley 409 : John Nicolls (1850-55) Henry Makepeace (1855-57) James Bick (&1857-60-) William Monk (-1862-68-) Thomas Hewson (-1870-80) Grantley Ford (1880-83&) William Harrison (1883-89)		5. Gloucester 412: Edwin Riddiford (1850-53&) Henry Makepeace (&1855-57) William Taylor (-1859) Charles Griffin (&1859-77) Edward Chipp (&1877-89)	
3. Stroud 410: Peter Hay (1850-54-) George Seyes (&1855-59&) William Hanbidge (&-1863-78) Nehemiah Philpott (&1878-89)		6. Cheltenham 413: George Seyes (1850-55&) Charles Coleman (1856-65) Stephen Day (1865-83) Donald McRae (&1883-89)	
		7. Cirencester 414: William Bennett (1852-53) Edwin Riddiford (&1853-69) Edward Chipp (1869-71&) William Wood (1871-86) George Morgan (1886-89)	
		8. Stow/Northleach 415: Henry Makepeace (1850-55&) James Bick (1855-57&) William Hanbidge (1857-&) George Seyes (&1859-72) Nehemiah Philpott (1872-78&) Thomas Basson (1878-89)	
		'Sodbury' and 'Campden' districts were also listed in 1870, but probably shared WM duties with another district.	




¶ Details taken from a 4oz brass weight, showing the County of Gloucester mark for District 5 (Gloucester), and a 2oz brass one, showing the generic Gloucester County mark, and a later stamping of the VR413 (Cheltenham) mark in 1888.



¶ Details taken from a 1oz brass weight, showing the VR409 (Dursley) mark, and an 8 oz brass one, showing the VR410 (Stroud) mark.



¶ Tags recording the numbers allocated to the County of Gloucester in 1881 (in Gloucester Record Office).

	Events	Marks	Comments
1889	Gloucestershire CC formed. Authority transferred from Tewkesbury Bo., but inspection for Gloucester Bo. separated.		David Rawle was appointed for the 'Bristol' district, but was unable to qualify.
1890	Four policemen to be inspectors, under the control of the chief constable: 1. Cheltenham, Campden, Northleach, (Tewkesbury) (409) 2. Bristol, Dursley, Sodbury (408) 3. Forest, Gloucester (410) 4. Stroud, Cirencester (411) 4 set of standards [2080, 2182-4] issued. Numbers 412-415 obsolete, but 489 issued.		Qualified inspectors: <i>Cheltenham (Northern)</i> D. Stangoe (q1889/90-96) [MR 96:231] Frank Taylor (1897-1919-) F.E. Prosser (q1915/20) (-1923-42) M.H.L. Delaney (1942-69) [MR 69:135] <i>Bristol</i> J. Woolford (q1891-1907) E. Barton (q1908-39) J.S. Fox (1939-53) [MR 39:119; 53:209] D.F. Page (1954-72-) [MR 54:261] <i>Stroud/Cirencester</i> E. Cooke (q1890-94) <i>Forest/Gloucester</i> J.B. Biggs (q1891-1902-) A.C. Jones (q1897/8-1939) [MR 39:19] E.W. Allwright (1947-64) [MR 47:3; 64: 252, 282]
1891	4 sets of standards [2199-00, 2202-3] issued.		
1894	Forest, Gloucester and Stroud combined into Forest, using No.410, Cirencester added to Cheltenham.		
1938	Civilian chief inspector appointed.		
1950	Numbers 408-411 in use.		
1974	Parts of Gloucester transferred to the new county of Avon.		Chief inspectors: Bearland, Gloucester T.A. Bramley (1939-60) [MR 38:239; 60:287] H. Rigby (1961-69) [MR 61:23; 69:104] M.A. Chapman (1969-75-) [MR 69:122]

B: Localities with separate jurisdiction in the county of GLOUCESTERSHIRE

WEIGHTS AND MEASURES.

City of Bristol and County of the same City, to wit. } **NOTICE is hereby Given, that at the last General Quarter Sessions holden in and for the said City of Bristol and County of the same City, J. JOHN FOY EDGAR, of the City of Bristol, Gentleman, was duly constituted and appointed Inspector of Weights and Measures within the said City and County, pursuant to the Statute of the 4th and 5th of William the 4th, ch. 49: by which said Statute it is enacted, that every Inspector shall, on receiving due notice, attend to examine, compare, and stamp, if so required and found correct, such Weights and Measures as shall be produced to him, and shall keep a book wherein he shall enter minutes of all such comparisons, and give a certificate under his hand of every such stamping or verification, if required so to do. That from and after the First day of January next, the use of the Heaped Measure shall be Abolished; and all bargains, sales, and contracts thereafter made by the heaped measure shall be null and void; and that no Weights made of Lead or Pewter shall be used.—The Act imposes a Penalty not exceeding £h on Persons Making, Selling, or Using, after the 1st of January next, any Weights or Measures not Stamped as aforesaid, and on Persons in whose possession any light or unjust Weights or Measures shall be found, and enacts that all such light or unjust Weights and Measures shall be seized, forfeited, and condemned. It imposes a like Penalty on Persons obstructing or hindering the Magistrates in the execution of the Act. A Penalty not exceeding £50 nor less than £10 for Forging the Stamp, and not exceeding £10 nor less than 40s. for Selling Weights and Measures so Forged; one half of the Penalties to the Informer and the other half to the expence of keeping up the Copies of the Standards.**

SCHEDULE OF FEES to be taken by the Inspectors Examining, Comparing and Stamping.

BRASS WEIGHTS.		
	s.	d.
For each Half Hundred Weight ...	1	6
For each Quarter of a Hundred Weight ...	0	9
For each Stone ...	0	6
For each Weight under a Stone ...	0	1½

IRON WEIGHTS, or Weights not made of Brass		
Each Half Hundred Weight ...	0	6
Each Quarter of a Hundred Weight ...	0	3
For each Stone and all Weights under a Stone ...	0	2

WOODEN MEASURES.		
Each Bushel ...	0	6
Each Half Bushel ...	0	3
Each Peck and all under ...	0	2
Each Yard ...	0	6

MEASURES Of Capacity of Liquids, made of Copper or other Metal.		
Each Five Gallon ...	1	8
Each Four Gallon ...	1	4
Each Three Gallon ...	1	0
Each Two Gallon ...	0	8
Each Gallon ...	0	4
Each Half Gallon ...	0	2
Each Quart ...	0	1
Each Pint and under ...	0	0½

And Notice is hereby also Given, that in pursuance of an Order of the said Court of Quarter Sessions, a Copy of the Imperial Standard Weights and Measures, duly verified and stamped at his Majesty's Exchequer, has been deposited at the House of Mr. HENRY FOTHERGILL, No. 8, Redchill-Street, Bristol, under the care of me the said Inspector; and that I shall attend at the House of Mr. Fothergill as aforesaid on every Day from 9 o'clock in the Morning until 2 o'clock in the Afternoon, during the present month of December, except on Sundays and Christmas-Day, for the purpose of Examining, Confirming, and Stamping all Weights and Measures within the said City and County of Bristol.



Bristol, December 1, 1834.

J. F. EDGAR.

¶ An advertisement from the Bristol Mercury, 6 December, 1834, p. 2.



¶ A 4oz brass weight, showing the two marks used by Inspector Gingell, and a ½ oz brass weight showing the single mark used on smaller weights.

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Bristol	CCorp MB:1835 CB:1888	 	490	s:1826 [110] r:1840 n:1889-1974

The first two marks usually appear on all but the smallest weights. The letter G signifies inspector Gingell (1837-63). From 1864 onwards it was replaced by the letter C, which stands for either, or both, of John Clark and Thomas Crew.

The 1826 standards [110] were issued to John F. Edgar, sword bearer and IWM, who was also appointed under the Act of 1834. In 1837 W.J. Gingell, a Somerset county inspector, was appointed, and he served until 1863. He was followed by John Clark (1864-1881) and Thomas Crew (1881-1888).

The chief inspector appointed in 1889 was F.W. Vining, who qualified in 1890/1 and served until 1898. Subsequently the chief inspectors were: Frederick Newton (1898-1902) [MR 03:4], H.E. Sollis (1903-07) [MR 07:115], Ernest T. Thomas (1907-38) [MR 54:84], A. Gleave (1939-43) [MR 43:15,27], E.H. Harvey (1943-53) [MR 53:140], G.W. Marshall (1953-74) [MR 53:167; 76:27].



¶ An 8oz brass weight, showing the two marks used by Inspector Clark and/or Inspector Crew



¶ Detail from another 8oz brass weight, showing the Bristol verification number 490.

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Gloucester	CCorp MB:1835 CB:1888		382	s:1826 [337] 1870 [1488] 1891 [2201] n:1880-1974
<p>In 1826 standards [337] were issued to the head constable, John Marsh, who later became chief officer of the borough police force (1836-38), and was named as inspector in 1835. He was succeeded by George Williams (CC 1838-46, listed as IWM in 1847 [<i>Hunt</i>]), and Edmund Estcourt (CC 1846-59) was appointed IWM that year [<i>GC 23/1/47</i>].</p> <p>In 1859 the borough police force was united with that of the county. After that, officers of the county force were employed as inspectors of WM, but the issue of No.382 in 1880 indicates that the borough retained separate authority. Among those employed in this way were: Charles Griffin (1859-77), and Edward T. Chipp (1877-90). The latter was listed as IWM in 1879 [<i>Kelly</i>], and arranged for the reverification of the borough standards in 1888.</p> <p>A grocer, Edward Kinsey, was appointed as full-time IWM in 1890 and qualified soon afterwards. He served until his death in 1925 [<i>MR 25:91, GCM</i>]. Subsequently the chief inspectors were: J.W. Toulson (1925-38) [<i>MR 39:19</i>], W.H. Turier (1939-62) [<i>MR 62:3</i>], and R. Crowther (1963-73) [<i>MR 63:27</i>].</p>				



¶ Detail from an 8oz bronze weight, showing the mark for Gloucester, and one from a 2oz brass weight, bearing the Gloucester verification number.

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
<p>In 1836 and 1837 several sets of standards were verified for Elizabeth Ackerley, the Lady of the Manors of Bisley [843], Churchdown [840], Hempstede [850], Presbury [842], Stow-on-the-Wold [822, 851, 853], Netherwell (Swell Inferior) [846], and The Seven Hundreds of Cirencester [844]. In 1836, the Gloucester Chronicle featured a series of articles in which the right of Stow-on-the-Wold to hold their own Standards was first questioned and then vindicated [<i>GC 20/2/36 (see below, 27/2/36, 12/3/36, 16/4/36, 20/8/36, 27/8/36 29/10/36)</i>]. However, the proper use of the standards was questioned at the half-yearly Court Leet [<i>CC 3/11/36</i>] but then there are no further reports. Inspection was probably transferred to the county by 1850, and certainly by 1867.</p> <p>A beam, marked 'Stow-on-the-Wold Court Leet' was displayed in the Gloucester Folk Museum (2003).</p>				
<p>Cheltenham A set of standards [172] was verified for the 'Cheltenham police' in 1826. Jurisdiction over WM was probably transferred to the county in 1836, and certainly by 1840, when the local police force was abolished and the county force set up.</p> <p>Cheltenham became a municipal borough in 1876, but continued under the authority of the county. It eventually became a WMA in its own right in 1965.</p>				
<p>Cirencester A set of standards [434] was verified for this Market Town in 1831, but never reverified. In 1867 it was stated that inspection had probably been transferred to the county. Cirencester claimed to be an ancient borough but was not treated as such in the 19th century.</p>				


✓ **THIS IS TO GIVE NOTICE.**

WHEREAS, by an Act passed in the last session of Parliament, 5th and 6th of William IV., entitled, "An Act to repeal an Act of the Fourth and Fifth year of his present Majesty, relating to Weights and Measures, and to make other provisions instead thereof." It is specially enacted, vide clause 15, as follows, "And nothing in this act shall supersede, limit, take away, lessen, or prevent the authority which any persons, bodies politic or corporate, or any person appointed at any Court Leet, for any Hundred or Manor, or any Jury or Ward Inquest, may have for examining, regulating, seizing, breaking, or destroying any weights, balances, or measures within their respective jurisdictions or the power given by any acts now in force to Justices or other authorities to appoint examiners for the inspection of weights and measures." It is therefore particularly requested that the tradespeople of Stow together with all persons doing suit and service, at the Court Leet of the Lord of the Manor of Stow-on-the-Wold,—comprising the inhabitants of Addlestroppe, Broadwell, Chilton-on-the-Hill, Stow, Mangersbury, Donnington, and Bourton-on-the-Water; those comprising the different Lordships doing suit and service at the Court Leets of Huccote, and the Barony of Churchdown, will beware of countenancing any person not being authorized and appointed by the Lord of the said Manors, as Inspector of Weights and Measures, within the jurisdiction of the said Court. The inhabitants of Stow, are therefore earnestly solicited to refrain from attending the meeting, as advertised by John Lardner, of the Post-office, Moreton-in-Marsh, to take place on Thursday, the 20th of February, 1836, for the purpose of having the Weights and Measures within the jurisdiction of the said Court of Stow-on-the-Wold, &c. examined and inspected by him,—a protest being herewith entered against the interference of the said John Lardner, as Inspector of the Weights and Measures within the jurisdiction of the said Courts respectively specified—such person not having been appointed by the Lord of the Manor of Stow, who alone has the power of appointing the Inspector of Weights and Measures for these Manors aforesaid,—which appointment of Inspector it is expected will take place on or before the 24th of March,—preparatory to which the ancient Weights and Measures of Stow Market, dated 1670, in my possession, will undergo a complete revival before the Comptroller-General of His Majesty's Exchequer, duly authorized to compare and verify, and such standard measures will be deposited in the Old Court House of Stow for that purpose—as the Weights and Measures used within the said jurisdiction of Stow will have to undergo the inspection, marking, and stamping, agreeable to the Act of Parliament in that case made and provided, by the person lawfully deputed by the Lord of the said Manor, all Weights and Measures used within the said most ancient Manorial jurisdiction, which shall not have been duly inspected and approved by the person deputed by the Lord of the Manor to that office, shall be deemed as forfeitures, with all penalties attached thereto.

(Signed) **CHARLES HENRY ACKERLEY,**
(Only brother to) Chamberlain of Mangersbury, and
Tenant in Tail to the Property.

Stow-on-the-Wold, this 17th day of February, 1836.

¶ Advertisement from the Gloucestershire Chronicle of 20 February, 1836, p. 2, in which the tradesmen of Stow are exhorted not to attend when John Lardner, the County Inspector of Weights and Measures, visits. In Stow, the jurisdiction of the Court Leet is claimed to be paramount.

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Tewkesbury	AncBo MB:1835 qsb		---	s:1827 [371]; 1835 [628] r:1867

The borough records show that Richard Day jnr was IWM from 1825 until 1836. In 1850, John Ryder (Supt of Police) was appointed IWM in the room of Mr Benjamin Moore [GJ 7/12/50]. In 1854, there was a request that P.S. Tanner be appointed IWM but this was turned down on the grounds that the authority for appointing the IWM rested with the county, not the borough [CC 11/7/54]. And in 1857 [GRO/QT/SO3], the office of inspector passed from George Tanner to James Herbert, both of whom were sergeants in the county police force. Herbert was listed as IWM in 1865 [Morris]. When in 1866 Herbert was unable to properly account for monies due, the post of IWM was declared vacant [GJ 20/1/66].

Between 1866 and 1869, the inspector was a brazier, Charles Skey. In 1869 Stephen Day, superintendent of the Cheltenham District of the county police force, was appointed on Skey's resignation and Sergeant Matthew Davis was appointed as 'sub-inspector' in 1877. Presumably he carried out the inspection in practice, an arrangement that continued until 1884. At that time the inspection reverted to civilians: William Davis (a hosier) as inspector, with John Surl as sub-inspector [GRO/TBR B/43]. In 1889 the borough was disqualified because its population was less than 10,000. However, William Davis continued to serve under the jurisdiction of the County Council, until he was dismissed for incompetence at the CC meeting on 13 April 1891 [GCCM: Vol III].

Wotton-under-Edge: a short set of standards [426] was verified for this Market Town in 1829. It claimed to be an ancient borough, but was unreformed in 1835 and lost its charter in 1886.



¶ Detail from a 2oz brass weight, showing the Tewkesbury shield.

C: The trade in Gloucestershire



¶ Coin weight by Aaron Austin and a group of three coin weights, bearing the mark of Thomas Woodward.

BRISTOL	
Austin	<p>Aaron Austin appeared in the Bristol apprentice records in 1773, as a glazier's vice maker and master of Thomas Austin, from Chard, Somerset; Aaron also appears in the 1774 Poll Book as a glazier's vice maker. However, in 1775 he is listed in the first Bristol Directory as a clock and watch maker. In this guise, he also takes on as apprentices Thomas Austin's brothers John (1778), Aaron (1782) and William (1788), whilst the youngest brother Moses (1791) was apprenticed to Thomas, listed as a glazier's vice maker 1774-1791. By 1793, Aaron Austin is listed as a clock and vice maker; his business also undertakes smith and farrier work latterly. However, there are scales and coin weights in his name.</p> <ul style="list-style-type: none"> • 95, Old Market St <1773-1798> <p>Moses Austin appears as glazier's vice maker, in 1798, but scale maker is added by 1801.</p> <ul style="list-style-type: none"> • 95, Old Market St <1798-99> • Capt Cary's Lane <1801> • 95, Old Market St <1803-18.
Woodward	<p>Thomas Woodward advertised "Gold Scales and Weights made by THO. WOODWARD, Cutler and Toy Maker, Bridge St, and sold Wholesale and Retail" in Farley's Bristol Journal, 11-25 September 1773 and in the Gloucester Journal of 11 and 18, September 1773.</p> <ul style="list-style-type: none"> • 4, Bridge St <1773-1792>
Wilkinson	<p>James Wilkinson advertised in Farley's Bristol Journal of 16 and 23 October, 1773 as a money scale maker, although he was listed as a gunsmith in the 1775 Bristol Directory. He again advertised in Farley's Bristol Journal as a scalemaker in 1774 and 1775.</p> <ul style="list-style-type: none"> • 14, Thomas St <1773-87>



THE
U S E
OF THE
HYDROSTATIC
BALANCE

MADE EASY

AND

Applied particularly to the Purpose of detecting counterfeit GOLD COIN.

With several TABLES and CALCULATIONS relative to the Weight of GOLD.

By J. B. BECKET

BRISTOL

Printed for the Author, opposite the EXCHANGE, in *Corn-street*;
—Sold by G. ROBINSON, in *Paternoster-Row*, LONDON;—and
R. CRUTTWELL, in BATH. MDCCLXXV.

[Price One Shilling.]

¶ The two faces and two of the edges of a troy weight, and the title page of Becket's book on "The use of the hydrostatic balance made easy and Applied particularly to the Purpose of detecting counterfeit GOLD COIN".

BRISTOL (continued)

Becket

John Brice Becket advertised "Gold Coin Weights" in Farley's Bristol Journal of 17 July 1774. He was listed as a bookseller and stationer in the first Bristol Directory of 1775. In the same year, he published "The use of the hydrostatic balance made easy: and applied particularly to the purpose of detecting counterfeit gold coin"; he advertised that he sold these hydrostatic balances and all other kinds of Money Scales, together with gold coin weights. He continued to be listed as a bookseller and stationer, dying in 1806.

- 36, Corn St <1773-1805.

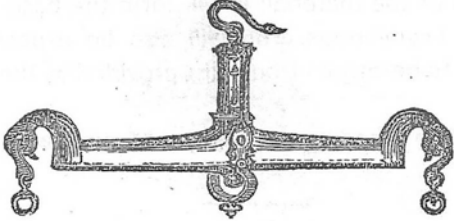
BRISTOL (continued)

Powell	<p>John Powell, listed as a brightsmith in 1775, advertised in Farley's Bristol Journal on 2 March, 1776, as a "Stove Grate and Scale Beam Maker"; later in the year (31 Aug.–14 Sept.) he advertised that he made and repaired scale beams, as he did in 1777.</p> <ul style="list-style-type: none"> • 17 Bridewell Lane <1775> • John's St <1783-85> <p>Joseph Powell was apprenticed to his father John in 1772 and had taken over the business by 1787. Listed initially as a brightsmith and, from 1798, also as a fan-light maker, he was first listed as a scale-beam maker also in 1815 [Ma].</p> <ul style="list-style-type: none"> • (7) Denmark St <1787-1820.
Colebrook	<p>Samuel Colebrook, apprenticed to Charles de Grave, London, 6 January, 1791 (Blacksmiths' Company), was listed as a scale maker from 1803.</p> <ul style="list-style-type: none"> • Rosemary St <1803-1812 • Barrs St 1812-1818 • Wilder St 1813-1818 • 56, Broadmead 1818.
Haskins	<p>James Haskins, listed as a brightsmith from 1793, added "scale-beam maker" in 1816 [Ma]</p> <ul style="list-style-type: none"> • Whitsun Court <1793-97 • Lower Maudlin St 1798-34.
Ovenden	<p>James Ovenden, scale-maker, is first listed at Samuel Colebrook's old address in 1822 [Ma]; additionally he is listed as a patent weighing machine manufacturer from 1824</p> <ul style="list-style-type: none"> • 56, Broadmead <1822-24 • 59, Broadmead 1825-27.
Price	<p>Charles Price appears as an ironmonger, cutler and maker of patent scales in 1826, and continues to be listed as a maker of patent scales until 1847.</p> <ul style="list-style-type: none"> • 145, Redcliff St 1826-47.
Vowles	<p>John Vowles, previously listed as a millwright (1823) and then a machine maker, was first given as a manufacturer of patent scales in 1828 [Ma].</p> <ul style="list-style-type: none"> • 134, Thomas St <1825-28 • St Thomas St 1829-32. <p>He was succeeded by his wife Elizabeth Vowles, weighing machine maker [1833 Ma].</p> <ul style="list-style-type: none"> • 32 St Thomas St 1833.
Wells	<p>John Wells is listed as a scale beam maker in 1830 [Ma].</p> <ul style="list-style-type: none"> • 36, Redcliff St <1830>.



¶ Details from two 4oz brass weights, showing the mark of Bartlett and of Bartlett and Son Ltd, Bristol.

BRISTOL (continued)		
Bartlett <1831-1910	BARTLETT BRISTOL <hr style="width: 20%; margin: auto;"/> BARTLETT & SON L ^{TD} BRISTOL <i>On flat-circular brass weights</i>	BARTLETT BRISTOL <i>On flat-circular iron weights</i>
<p>John Bartlett, apprenticed to Robert Wood in London in 1811, but turned over to John Wynn in 1819, worked as a scalemaker in London in the 1820s and was first listed in Bristol in 1831 as a scale maker and weighing machine manufacturer. Weighbridges were first advertised in 1847 and, by 1853, the agricultural implement side of the business had appeared, with grocers' japaners/outfitters added by 1856. An 1882 advertisement [KK] named the London Office at 98, Fleet Street, E.C. The weighbridge division was concentrated in Brislington by 1902.</p> <ul style="list-style-type: none"> • 16, Nelson Street <1831 • 64, Broadmead 1831-34 • 3, Welsh Back 1834-1904 • 4, Baldwin St <1845-53> • Temple St/Backs <1853-59> • 2, Welsh Back <1853-1904 • 4, Welsh Back <1859-65> • 54, Baldwin St <1884-1912 • Bath Rd, Brislington <1902-1912 • 11, Castle St <1905-1908 • 33, Boutport St, Barnstaple <1907-1910> • Mill Lane, Cardiff <1908> • 101, Great Tower St, London EC <1908>. <p>Although the company was bought by Pooley in 1910, which was itself taken over by Avery in 1914, trading still continued under the name of Bartlett and Son, Ltd.</p> <ul style="list-style-type: none"> • 76, Victoria St, Temple 1909-24 • Fairfax St 1925, 1927-8. 		



J. BARTLETT,
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 &c. &c.


—○*—○*

N. B. Scale Beams, Weighing Machines, &c. Re-
 paired, and Weights kept Accurately Adjusted,
 by the Year, or Quarter.

BARTLETT'S Solid Brass Weights.
 BEST QUALITY, ADJUSTED AND STAMPED.



No. 539A. No. 538. No. 539.




No. 541.

PRICES PER SET.		SINGLE WEIGHTS.	
No. 539A.	1 2 4-lbs. to 1/4-oz.	1/2-oz. 1 2 4-oz.	1 2 4-lbs.
No. 538.	5/- 9/- 16/-	3d. 4d. 5d. 7d. 11d. 1/2 2/- 4/- 8/-	
With Stand	9/- 17/- 30/-	4d. 5d. 7d. 10d. 1/2 1/10 2/6 5/- 10/-	
No. 539.	5/6 10/- 19/-	4d. 5d. 6d. 8d. 11d. 1/6 2/6 5/- 10/-	

Nos. 541 and 541b	}	SETS.		28-lbs. to 1/4-oz.	
		1 2 4	7 14	18/6 31/- 58/-	113/-
		SINGLE WEIGHTS.			
		1/2 1 2 4	8-oz. 1 2 4 7 14 28-lb.		
		4d. 5d. 7d. 10d. 1/2	1/10 2/6 4/- 8/- 14/- 28/-		

BARTLETT'S Iron Weights.
 ADJUSTED AND STAMPED.



No. 542. No. 542A. No. 539B.

In SETS, 2, 1 and 1/2-oz. in BRASS.		SINGLE WEIGHTS.	
No. 539B.	1 2 4 7-lb. to 1/4-oz.	1 2 4 7-lb.	
	2/2 2/9 3/9 5/6	3d. 4d. 5d. 6d. 9d. 1/1 1/7	
No. 542.	SETS .. 4 7 14 28	56-lb. to 1/4-lb.	
	3/- 4/7 7/3 11/3 18/3		
SINGLE WEIGHTS ..	1/2 1 2 4 7 14 28	56-lb.	
	4d. 5d. 7d. 9d. 1/1 1/7 2/8 4/3 7/-		
No. 542A.	SETS .. 4 7 14 28	56-lb. to 1/4-lb.	
	4/10 7/- 10/3 15/- 22/6		
SINGLE WEIGHTS ..	1/2 1 2 4 7 14 28	56-lb.	
	5d. 8d. 11d. 1/3 1/7 2/2 3/3 4/10 7/6		

No. 542A. *New Pattern designed to meet requirements of Board of Trade.*

13

¶ An advertisement for the original firm, taken from Mathews's Annual Bristol Directory of 1836 and p. 13 from an abridged catalogue (List 72) of January, 1907, under the name of Western Counties Agricultural Co-operative Association, Ltd. Below is the back cover of the same catalogue, showing the Bartlett works at that time.



JAPAN WARES.

SELLING AT ONE-HALF THEIR USUAL PRICES, the STOCK of one of the First Manufacturers in the Kingdom, consisting of Paper and Iron TEA TRAYS, of the Newest Style, and in the greatest variety of Patterns ever put into the market. INK STANDS, BLEND BASKETS, KNIFE TRAYS, COAST BASKETS, SNIFFER TRAYS, PLATE WARMERS, COAL VESSELS, DRESSING CASES, CASH BOXES, SPICE BOXES, READING SHADERS, CANDLESTICKS, DUMB BUREAU, DECANTER STANDS, CRUET FRAMES, with best Cut Glass, &c. &c.

IMPERIAL WEIGHTS AND MEASURES.
Adjusted to the late Act of Parliament.

To Inn-Keepers, Lodging-House-Keepers, Builders, and Families Furnishing.

IRONMONGERY.

Parlor, Kitchen, and other GRATES. Files
Parlor, Chamber, and Kitchen PEN- Hammers, Nails, Pins, and Gladders
DRESSES, in Brass, Steel, Enamel Iron Rod Keys
and Wire Draw and Post Hangers
Fire-Chairs, plain and ornamented. Casting Plates
Parlor, Chamber, and Kitchen FIRE- Best Sea Hooks
IRONS. Pincils
Copper and Iron COAL SCOOPS. SCALERS fitted up for Tea and Sugar
Hanging Battle Jacks, with or without WEIGHING MACHINES to stand on
Screws. Shop Stands, &c.
Halter-Irons, Flat Irons, and Bands. Iron and Iron Weights
Best Coal Iron Ties, from 6 square to 11 Round Laths
Dish Soapstone, Soapstone, Fish Kettles, Black Lead, Naphtha Lamps, and Brass
and Fountains. work Vases, for Glass
Iron Stoves with Stoves. Sand and Empty Vessels
Iron Boilers and Furnaces, from 2 to 100 A Tubs for cleaning Brass, Copper, Tin
gallons. and Britannia Metal ware, prepared and
Furnace Doors and Bars. sold by W. PARNALL and Co., in this
Copper and Iron Tea Kettles. town, with printed directions.
Mosaic Kettles, for Preserves.
Wash-hand Basins.
Copper Warming Pans.
Brass and Iron Tripods.
Brass Tinctures.
Frying Pans and Gridirons.
Cast-iron Spoons, Hoes, Rakes, and Trowels.
Cinder Shovels.
House and Tea Bells.
Coffee Mills.
Beet Choppers.
Iron Spoons.
Sugar Hatchets.
Cup Hairbrushes.
Brass Cocks and Vent Pegs.
Tinned Iron and Wire Slavers.
Glass and other CANDLESTICKS.
Door Springs.
Curtain, Hat, and Clock Pins.
BRASS CURTAIN HANDS, POLES, FOLE-GENS, BASKETS, PINS, RINGS, and CENTRES, Steel com-
plete.
Glass Sash Holes and Eyes.
Door Knockers.
Hatchets.

The Celebrated BRITISH PLATE, now so much in request, in Table Spoons, at 50s. per Doz.; Dinner ditto, &c., and
The ditto, the set of Forks, &c.—all recent Metal in Silver and plated.
GROCERS FANCY TEA CANISTERS, &c.
SLIPPER and SHOWER BATHS, for SALE or HIRE.
WILLIAM PARNALL & CO.,
1, DOLPHIN-STREET,
(NEARLY OPPOSITE THE BANK OF ENGLAND, BRISTOL;
WHOLESALE WAREHOUSE next the FIFTH AVENUE, and MANUFACTORY, 9, CASTLE-MILL-STREET.
N.B. COUNTRY SHOPKEEPERS and HAWKERS, supplied at the Wholesale Warehouse, on the very
Lowest Scale of Prices.

¶ An advertisement from the Bristol Mercury of 27 June, 1835, p. 2

BRISTOL (continued)		
Parnall 1820-1913	PARNALL BRISTOL <hr/> PARNALL & SONS MAKERS <hr/> PARNALL & SONS	PARNALL & SONS LTD NARROW WINE ST BRISTOL <hr/> BRISTOL & LONDON PARNALL & SONS LTD <hr/> WM PARNALL & CO LTD 108 VICTORIA STREET BRISTOL
Advertisements from 1881 onwards claimed that the company of Parnall & Sons was established in 1820; John Parnall, the founder, had been born in 1766 near St Austell, Cornwall. His sons John and William joined him in the business; from 1830, the business is in William's name only, the partnership being dissolved in 1833 [BM 2/3/33]. The first connection found with weights and measures is an advertisement of 10 January, 1835 [BM]. The first listing as a scale and scale beam maker comes in 1840 [Ma]. <ul style="list-style-type: none"> • 78, Castle St {John Parnall} <1820-21> • 97, Old Market St {John Parnall & Sons/Henry Parnall} <1822-27. • 25, Maryport St {John Parnall/J & W Parnall/William Parnall} <1823-40 • Dolphin St {J Parnall & Co/William Parnall} <1828-40 • 9, Castle Mill St {J Parnall & Co/William Parnall} <1829-37> • 10, Castle Mill St {(William) Parnall & Co} <1841 • Temple St {(William) Parnall & Co} <1841> 		

BRISTOL (continued)

Parnall
1820-1913
(cont.)

Parallel to this, the middle brother Henry Parnall sets up a separate business as a furnishing ironmonger, cutler and general manufacturer c. 1824. However, Henry Parnall & Co is first listed as a scale maker in 1842 [P]; this is the company later known variously as Parnall & Son(s) (1862-88), Henry Parnall & Sons (1865-71), Parnall & Sons Ltd (1889-1899).

- 22, Narrow Wine St <1845-1904
- 21, Narrow Wine St <1870-1904
- Rosemary St (ironfoundry) <1880-1904
- Fishponds <1883-1904
- 20, Narrow Wine St <1895-1904.

In 1876 a second company emerges, W. Parnall & Co, advertising as a “grocers’ outfitters and maker of patent agate scales, weighing machines and coffee mills”. In 1894, the scale business was separated from the outfitting one, but the following year the business was listed as an entity.

- 106, Victoria St <1876-93
- 108, Victoria St <1878-99
- 6, Temple St <1884-88
- 7,8 Temple St <1894-99
- 5, 22 Temple St <1895-99.

This company was wound up in 1899/1900 [*LG 3/3/99; WDP 3/11/00*].

Henry Parnall’s was taken over as a going concern by **Avery** in 1898, trading from 1900 under the name of Parnall & Sons, from the premises in Narrow Wine St. The business of Weston Parnall, a grandson of Henry Geach Parnell, the founder of Henry Parnall’s, advertised scales, etc in 1900 [*WM 6/12/00, WDP 18/12/00*] from Temple St; this business was first listed in 1903, as a shopfitter, scale maker and builder. Two years later, the “builder” had been dropped and the scale business was concentrated in this company, with the Avery-run business advertising solely as shop outfitters. The scale-making side was run down by 1913, although a 1914 listing did appear, with a last advertisement for scale repairing in 1915 [*WDP 1/2/15*]. W & T Avery Ltd now acknowledged their role, trading from Narrow Wine St from 1914, with the Parnall & Sons, moving as shopfitters, to 44-45, Broadmead.

- 22, Temple St <1900-1914. The company also operated at:
- 89, Fleet St <1865>
- 10 Rood Lane, Eastcheap <1901-10> [*Hb*]
- 12 Alexandra Road, Swansea <1895-1912> [*Hb*]
- 43 Dutton St, Manchester <1908> [*Hb*].



¶ Detail from an 8 oz brass weight, from Parnall & Sons Ltd, of 10 Rood Lane, Eastcheap, EC.

PARNALL & SONS,
 The Old Firm, Established 1820. Totally distinct from Parnall & Co.
**BAR, OFFICE & SHOP FITTERS, SHOP FRONT BUILDERS,
 DECORATORS, &c.**

BAR CABINETS
 And **COUNTERS** in
 Every **STYLE** and
QUALITY.

**CHINA BARRELS,
 MULLERS,
 MEASURES,
 GAS FITTINGS,
 BRASS PLATES,
 LAMPS,
 WIRE BLINDS,
 SILVERED GLASS,
 &c.**



NEW FRONTS
 and
ALTERATIONS to
PREMISES
CONTRACTED FOR.

DRAWINGS
 And **ESTIMATES**
FURNISHED
 For **FITTINGS** of
EVERY
DESCRIPTION.

Revolving Shutters
 Supplied and Fixed.

Distance no Object.

BAR CABINET AS MADE BY US FOR THE IMPERIAL HOTEL, CLIFTON.



Sole Address—
21 & 22, NARROW WINE STREET, BRISTOL.

¶ An advertisement that appeared in J. Wright & Co's (Mathew's) Bristol Directory of 1881, 1884 and 1886-7, emphasizing that the firm was established in 1820 and that the two Bristol Parnall concerns were distinct. Below is one from the same directory for 1897, showing that scales still formed a part of the business.

SHOP FITTINGS AND REQUISITES
 Of every description, for all Trades.



GROCCERS'	BUTCHERS'	CONFECTIONERS'	HOTEL BARS
Balances Canisters Coffee Mills Tea Mills Fruit Cleaners Counters Show Cases	Scales Cutlery Sausage Machines Fillers Brine Pumps Skewers Seasonings	Glasses Show Stands Brackets Urns Whisks Marble Tables Suspenders	Beer Engines Spirit Casks Mullers Measures Taps, Pumps Cork Drawers Bottling Machines
<i>And every Trade Requisite.</i>		<i>Price Lists on application.</i>	

Address } **PARNALL & SONS, LTD.** { The Old Firm.
 in Full. }
The largest Complete Shop Fitters in the Kingdom,
NARROW WINE STREET, BRISTOL;
 Telephone No. 356. And at London and Swansea. Telegrams—"Parnall, Bristol."



¶ An advertisement from the Bristol Mercury, 3 January, 1835, p. 2.

BRISTOL (continued)	
Wasborough Hale & Co	<p>The Wasboroughs are listed in the Poll Book of 1774 as brassfounders and are listed in Narrow Wine Street from 1783. Richard and Thomas Hale are first listed as coppersmiths in 1783. Wasborough, Hale and Co is established in 1829 at 3, Narrow Wine Street and, on 3 January, 1835, advertise in the Bristol Mercury, as the Bristol Brass Foundry, that they can supply “Imperial Weights and Measures”, and also “Brass Yard Measures”.</p> <ul style="list-style-type: none"> • 3 Narrow Wine St <1783-1848.
Pethybridge	<p>John Pethybridge is listed as a scale maker in 1835 [Ma].</p> <ul style="list-style-type: none"> • 105 Thomas St <1835>.
Murphy	<p>P. Murphy, a bellhanger, brightsmith and locksmith was listed also as a scale and scale beam maker in 1838 [Ma].</p> <ul style="list-style-type: none"> • Sedan Chair Passage, Broad Quay <1838-43> • 3, Thunderbolt St <1843>.
Rich	<p>William Rich, a pewterer, 79 Castle St, advertised a new pewter scale, approved by the IWM, along with pewter measures [BM: 14/8/41].</p> <ul style="list-style-type: none"> • 40, Redcliff St <1840 • 79, Castle St 1841-44.
Olliver	<p>Duke Olliver was listed as a malt mill maker from 1836 [Ma], first advertising as a scale beam and weighing machine maker in 1844.</p> <ul style="list-style-type: none"> • 35, Castle St <1836-40> • 1, Lower Castle St <1840-43 • 2 Welsh Back 1844-52> • 81, Temple St 1847-49. <p>The premises in Welsh Back were occupied the following year by Bartlett.</p>



¶ Advertisement from Mathews's Annual Bristol Directory for 1846.

BRISTOL (continued)	
Perry	Edwin Perry was first listed as a scale beam maker in 1844 [Ma]. • Ashley Rd <1844-52.
Weight	Edwin Weight was listed as a scale maker in 1856 [Ma]. • 15, Easton Parade, Easton Rd <1856 • 10, Paxton Place, Easton Rd 1857-58.
Roberts and Short	Roberts and Short had trained at Bartlett's but were first listed in 1859 [Ma] as scale and weighing machine makers. • 2, Cheese Lane <1859-62 • 1, Queen St 1863-64. By 1864, Alfred Roberts was the sole owner of the business, which was itself acquired by H. Parnall and Sons in 1867 [BM 7,14, 21/4/67]. • 1, Queen St 1865-67. Roberts continued in the business, acting on the Board of Parnall's, being listed as a scale maker in 1889 [KB].

E. CRAWFORD & CO.

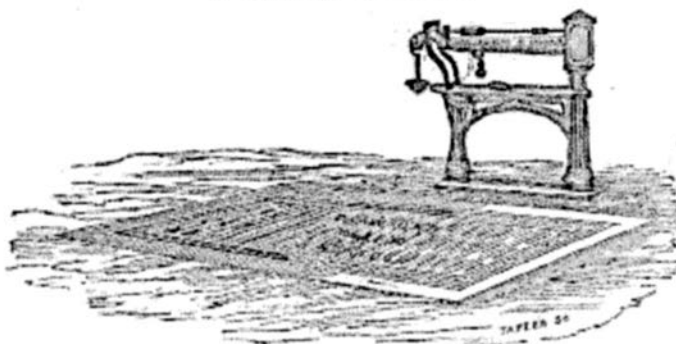


39, BRIDGE ST.

BRISTOL,



Manufacturers of every description of
Weighing Machinery,
Scales, Beams, and Steel Yards.
Platform Weighing Machines to weigh from
4 cwt. to 50 cwt.



Weighbridges for allways, Collieries, Wharves
or Roads to weigh from 3 tons to 30 tons, with
or without Relieving Apparatus; these Machines
receive our especial attention in every part, so as
to combine accuracy and power.

Every description of Repairs promptly executed
at any distance. Annual Repairs and Inspections
contracted for.

PRICED LISTS ON APPLICATION.

¶ Advertisement taken from
Harrod's Directory for
Glamorganshire of 1866.

BRISTOL (continued)

Kear

Henry Edward Kear was first listed as a scale maker in 1860, working from his father's tailoring business.

- 4, Easton Terrace, Easton Rd <1860-63>
- 4, Redcross St <1866-74.

Crawford

Edward Crawford was first listed in 1864 [Ma] and also advertised in the Bristol Mercury that year; a year later, Edward Crawford & Co appeared in advertisements [We].

- 39, Bridge St <1864-1890>
- 1, Queen St <1870-1874>

Latterly, he was working as an ironfounder from St Philip's Foundry in Bread St and also from Cheese Lane.

- Bread St <1875-1902
- Cheese Lane <1875-1904
- Narrow Plain <1878-1904.

His business continued as an ironfoundry, after the 'scalebeam maker' disappeared from its description.

BRISTOL (continued)	
Perry	John Grimes Perry was initially listed at 22, Narrow Wine St (Ref: Parnall) as a tinplate worker in 1861 [Ma]. In 1865, he was listed as a scale beam and weighing machine manufacturer [Ma]. <ul style="list-style-type: none"> • 16, Castle St <1865-68.
Buxton	Samuel Buxton was listed in 1880 [S] as a scale and weighing machine maker, working at 2, Victoria Place, Fishponds.
Munro	Alfred Munro was variously listed as an ironmonger and a weighing machine maker [W]. <ul style="list-style-type: none"> • Meadow St <1881> • Stratton St <1883-86>.
Automatic Weighing Machine Co Ltd	The company, listed from 1888 as making weighing machines, employed S. Singer as its agent. <ul style="list-style-type: none"> • Lion Chambers, Broad St <1888-94>.
Weight	Obadiah Weight was initially listed as a shopkeeper but by 1889 he appeared as a scale maker/weighing machine manufacturer [KB]. <ul style="list-style-type: none"> • Air Balloon Rd <1889> • 365, Church Rd <1891-1907.
Mann	George Mann was first listed as an engineer and scalemaker in 1891. <ul style="list-style-type: none"> • 120/152, East St, Bedminster <1891-92 • 8, Horsefair 1893>.



H. WALKER,
(17 Years with PARNALL & SONS, Ltd.),
SCALE & WEIGHING MACHINE MAKER,
COMPLETE GROCERS'
AND BUTCHERS' OUTFITTER,
35, STAPLETON RD.,
(CITY END).
And at 34, KING STREET, Queen Square,
BRISTOL.
REPAIRS PROMPTLY EXECUTED.
All kinds of Brass and Iron Weights at
Lowest Prices.

¶ Advertisement taken from J. Wright & Co's (Mathews') Bristol Directory of 1897.



¶ Details taken from two brass weights, a 4 oz and a 1 lb one, showing the two marks of H. Walker.

BRISTOL (continued)	
Walker	<p style="text-align: center;">Two marks</p> <p>Henry Walker, scale maker, worked with Parnall & Sons Ltd for 17 years before setting up his own concern and was first listed in 1893 [W]. The company was finally acquired by Avery in 1939.</p> <ul style="list-style-type: none"> • 3, Berwick Place, St Mark's Road <1893-96 • 35 Stapleton Road 1897-1903 • 34 King Street, Queen Square [1910 Hbk] 1897-1909. <p>Henry Walker & Sons, at</p> <ul style="list-style-type: none"> • 34 King Street, Queen Square 1910-1939.
Brooks & Smith	<p>The company of Brooks and Smith was listed as weighing machine manufacturers in 1894; the following year the listing appeared under Brooks name only.</p> <ul style="list-style-type: none"> • Grove <1894 • Welsh Back 1895>.
Masters	<p>Stephen Masters was first listed as a scalemaker in 1897.</p> <ul style="list-style-type: none"> • 41, Herbert St, Bedminster <1897-1908>.
Cook	<p style="text-align: center;">C. COOK LAWRENCE HILL BRISTOL</p> <p>In 1901, Cook Bros was listed as a scalemaking business at 1, Beaufort Terrace, Beaufort Road, Barton Hill but, the following year, it was just Charles Wesley Cook, scale maker, who was listed at:</p> <ul style="list-style-type: none"> • 129 (25) Lawrence Hill <1902-1927>.



¶ Details from a 2 oz brass weight and a 2 lb iron one, showing the marks of Charles Cook.

BRISTOL (continued)	
Greader & Son Ltd	Greader and Son Ltd, scale manufacturers, advertised a registered office at 41, High St in 1908.
Pooley	<p>First noted as a weighing machine maker in 1908 [Hbk], Henry Pooley & Sons, Ltd took over Bartlett in 1910, when the company was first listed in the local directories. Although taken over by Avery's in 1914, they continued to be listed at separate addresses until 1940. Until 1960, Pooley was still listed separately but enjoyed the Avery address.</p> <ul style="list-style-type: none"> • Pylle Hill <1908-39 • 76 Victoria Street <1913-24 • Fairfax Street 1925-40> • 20, Kingswood Hill <1944-50> • 107-9, St Thomas St <1953-60>.
Avery	<p>W & T Avery Ltd took over the Parnall companies in 1898 but first appeared explicitly in the listings when they acquired Henry Pooley & Son Ltd (including Bartlett) in 1914 [KB]. However, the companies were still listed separately, so appearing as competitors in the scale and weighing machine business, until 1960.</p> <ul style="list-style-type: none"> • 21/22 Narrow Wine Street <1914-1927 • 3, Bristol Bridge 1928-40> • Kingswood Hill <1944-50> • 107-9, St Thomas St <1953-60> • Avery House, 20 St. Thomas Street <1962-1980>.
Tozer	<p>Albert Taylor & Co of Boot Lane, Bedminster was listed as a scale maker in 1909 [W] but, the following year the name had been amended to Albert Tozer & Co. [1910 W].</p> <ul style="list-style-type: none"> • Boot Lane, Bedminster <1909-40>.
Hutchings	<p>Henry Lancaster Hutchings, scale maker, first appeared in the 1912 directory [W].</p> <ul style="list-style-type: none"> • 18 West Street <1912-16>.

BRISTOL (continued)	
Yandell	Yandell & Son, scale maker, was first listed in 1914 [KB], and remained in Stapleton Road until they were acquired by Avery in 1961. <ul style="list-style-type: none"> • 155 Stapleton Road <1914-15> • 157 Stapleton Road <1915-61.
Whitehead & Honey	The Leicester-based firm of Whitehead and Honey advertised in 1920 for staff in Bristol [WDP 31/1/1920] and were listed in 1921 [W] as scale and weighing machine makers. They closed down their Leicester premises in 1926. <ul style="list-style-type: none"> • 89, Redcliff St <1920-26 • Redcliff Back <1923-40 • 75, Redcliff St 1927-56.
Ashworth	Ashworth, Son & Co was listed as a weighbridge and weighing machine manufacturer in 1924. <ul style="list-style-type: none"> • 86, Langton Court Rd, Brislington <1924>. E.A. Ashworth Ltd were listed as weighing machine engineers from 1947. <ul style="list-style-type: none"> • 18, Redcliffe Way <1947-70>.
Howell	Charles Howell was first listed as a scalemaker in 1924 [KB]. <ul style="list-style-type: none"> • 148, St John's Lane, Totterdown <1924-33.
Asco	The Automatic Scale Company was first listed in 1925 [KB] as scale and weight makers, taking over the premises previously occupied by Bartlett and Sons, Ltd. <ul style="list-style-type: none"> • 76, Temple St <1925-30 • 28, Low, Castle St 1931-35 • 11, Merchant St 1936-40>. The area depot was based at Bristol, the company changing its name to Asco Bizerba Ltd in 1968. <ul style="list-style-type: none"> • 14, Harbury Rd <1950-70>.
Hodgson & Stead	The company was listed as operating from the same premises in Fairfax Street, as both Bartlett & Son and Henry Pooley & Son, Ltd, all part of the Avery group at this time, in 1925 [KB].
Berkel Auto Scale Co	Berkel was first listed, as scale manufacturers, in 1926 [KB]. <ul style="list-style-type: none"> • 9, Victoria St <1926 • 124, St Thomas St 1927-31> • 41, Prince St <1933 • 2, Temple St 1934-40> • 138, Lower Ashworth Rd <1950-55> • 79, Fishponds Rd <1956-70>.
Cooke	Herbert Cooke was first listed, as a scale maker, in 1932. <ul style="list-style-type: none"> • 12, Claremont St, Stapleton Rd <1932-37>.
Vandome & Hart	Vandome & Hart were first listed in Bristol as a weighing machine manufacturer in 1933. <ul style="list-style-type: none"> • 53, Victoria St <1933-35> • 35, Milk St, St Paul's <1936.

BRISTOL (continued)	
Jenkins	Richard M. Jenkins was listed as a scale repairer from 1935. <ul style="list-style-type: none"> • 29, Coronation Road, Bedminster <1935-40>.
Wraight	Charles Wraight was first listed as a scale and weight maker in 1935. <ul style="list-style-type: none"> • 1a, Imperial Rd, Knowle <1935-36> • 22, Bedminster Rd, <1937-38>.
Langley	Albert Langley, scale and weight makers, took over the premises of Vandome & Hart, being listed at 35, Milk Street in 1937.
Ellison	William A. Ellison was listed as a scale and weight maker in 1947 but, by 1950, their premises at 14, Harbury Rd had been taken over by Asco (see above).
Bristol Scale Company	The company was first listed as a scale manufacturer in 1950 but by 1958 had changed its name to the Bristol Scale and Equipment Co. Ltd. <ul style="list-style-type: none"> • 2B, St Andrew's Rd <1950> • 20, Cumberland St <1953-60>.
Edwards' Bros	Edwards Bros was primarily a shopfitter but operated as scale and weight makers too, being first listed in 1950. <ul style="list-style-type: none"> • 2, Philip St <1950> • 58, Victoria St <1953-56>.
Bristol Weighing Machines	Bristol Weighing Machines were listed in 1966 in St Paul's St as scale and weight makers. The Bristol Scale Service, scale makers, were first listed in 1968. <ul style="list-style-type: none"> • 3, Feeder Rd <1968-9> • 158, Wells Rd <1970>.
Stevens	C. Stevens & Son (Weighing Machines Ltd) were first listed in 1968. <ul style="list-style-type: none"> • 42, Guinea St <1968-70>.



¶ Two advertisements for S. Turier & Sons, taken from Kelly's Directory for Cheltenham for 1952 and 1957 respectively.

CHELTENHAM	
Turier	<p>Henry Turiere was first listed as a scalemaker in 1857 [HC].</p> <ul style="list-style-type: none"> • 2, Russell's Pl <1857> • Ambrose St <1879> • 29, St Paul's St <1889> <p>Samuel Turier was listed alongside Henry as a resident of Cheltenham in 1904 (see below).</p> <ul style="list-style-type: none"> • 30, Albert St, St Paul's <1904-08 • 39, Albert St, St Paul's 1908-10> • 6, St Paul's St North <1912> • 24 & 25, Manchester St <1914-16> <p>Samuel Turier was declared a bankrupt in 1915 but released in 1916.</p> <ul style="list-style-type: none"> • 68, St George's Place <1919-50> <p>The business is relisted as S. Turier & Sons after 1950</p> <ul style="list-style-type: none"> • 68, St George's Place <1952> • 5, Lansdown Place Lane <1955-63> • 11, Prestbury Rd <1965-72> • 36/38 Suffolk Parade <1974-75> <p>Turier Scales/Oakley Weigh (S. Turier & Sons Ltd), who claim to have been established since 1891, are still in business, specializing in industrial platform and floor scales. However, as of 2017, the company is based in Aylesbury, Buckinghamshire.</p>
Avery	<p>Avery's were first listed in Cheltenham in 1906 [CA].</p> <ul style="list-style-type: none"> • 8, Henrietta St <1906-16> • 150, High St <1927-39> • 68, Winchcombe St <1952-67> • Upper Bath St <1968-72>.
British Weighers and Slicers Ltd	<p>This company was listed briefly as scale makers [CA].</p> <ul style="list-style-type: none"> • 60, Bath Rd <1931-32>.



¶ Detail of a coin weight by R. Cowcher of Gloucester.

GLOUCESTER	
Cowcher	<p>Robert Cowcher, a cutler and toyman, advertised in the Gloucester Journal between August 1773 and November 1774 that he “made and sold scales, and weights, and slides for weighing gold coin”, but his advertisement of April 1776 makes no mention of these.</p> <ul style="list-style-type: none"> • Upper Northgate St <1773-74>
Stevens	<p>John Stevens was first listed in 1879 as a scale beam maker but advertised previously in the Gloucester Citizen</p> <ul style="list-style-type: none"> • 2, Blackfriars <1878-79> • 6, Blackfriars <1885-89> • Longsmith St <1897-1911. <p>J. Stevens and Co were then listed at</p> <ul style="list-style-type: none"> • 3, Cross Keys Lane <1914>
Avery	<p>This branch of W & T Avery Ltd appeared in the Inspectors Handbook of 1906, although not listed in directories until 1914.</p> <ul style="list-style-type: none"> • King St <1906-14> • 7, Market Parade <1919-72> • Woodrow Way <1973-4>.
Turier	<p>The Cheltenham based Samuel Turier also had a branch in Gloucester by 1914.</p> <ul style="list-style-type: none"> • Bull Lane <1914>
Jones	<p>Percy Jones was listed as a scale maker in 1923; later listings cited him as a scale maker and repairer.</p> <ul style="list-style-type: none"> • 40, Station Rd <1923-36> • Nettleton Rd <1939-52>.
Asco	<p>Asco Ltd was first listed in 1952 as scale makers.</p> <ul style="list-style-type: none"> • 30, Alvin St <1952-55> • 194, Barton St <1957-65>.

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[GJ] Gloucester Journal 1771-76, 1850-86
[LG] London Gazette 1899
[WDP] Western Daily Press Bristol 1917
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