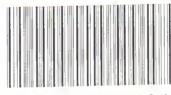




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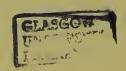
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PREFACE.

C. Ash and Sons have added so many things to their stock since the publication of their last Catalogue, that they have determined to print and circulate for the convenience of their customers an Appendix, in which will be found not only all these additions, but also an Index, alphabetically arranged, of every article contained both in their Catalogue and Appendix. This Index will give either the prices of the articles, or the page (in the Catalogue or Appendix) in which the particulars are to be found. Those articles which have been added to C. Ash and Sons' Stock since the publication of their Catalogue of 1871 are marked in the Alphabetical Index with an asterisk.

C. Ash and Sons take this opportunity to repeat what they stated on a former occasion, that they continue to give their particular attention to every new development of the Dental Art, whether in its surgical or mechanical departments, in order that their home and foreign depôts may be found at all times to be repositories of the improvements of the age, and centres from which all new materials and appliances can be obtained without delay.

C. Ash and Sons have already given notice that, in consequence of the increased cost of materials and labour since the publication of their Catalogue of 1871, they have been obliged to add to the prices of many of the articles enumerated therein; these prices will be corrected in the next edition of their Catalogue. But the prices at which the articles are carried out in this Appendix and Index are the prices at which they are now sold.

LONDON,

November, 1873.

THE GOLD MEDAL

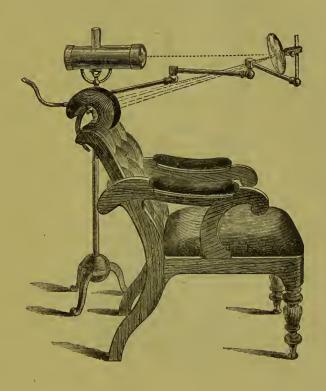


AWARDED TO C. ASH AND SONS



AT THE PARIS EXPOSITION, 1867.

DENTAL REFLECTORS.



Dental Reflector (Mr. Stevens'), consisting of an iron tripod stand with sliding tube to fix at any height, with a bull's-eye mounted in a large brass tube, and reflector at back, argand burner, jointed brackets, and a reflector with ball and socket action, so that the light may be directed to any part of the mouth. from 75 0 Dental Reflector, with double bracket to fix against the wall , 50 0 Dental Reflectors and Lamps, various.

Dental Reflectors are a most useful adjunct to the Operating-room for use on dark days, and for those who operate after sunset.

GASOMETER.



									8.	d.
Gasome	ter, 6 g	gallon	capacity	•					85	0
Ditto	8	,,	,,		•				95	0
Ditto	12		.,						105	0

The above Gasometers are made expressly for holding liquid gas, and to be used in the operating-room. The bettle, containing 50 or 100 gallons of liquid gas, is held underneath by two iron rings and secured with two serews, and the metal union attached to the pipe of gasometer connects the bettle to gasometer. When the bettle is empty it can be replaced or exchanged for a full one in a few minutes. The centre brass rod, which is divided into intervals of 2 gallons each, indicates the quantity in the gasometer, and to ensure having sufficient gas for each operation the gasometer should be filled for each patient.

N.B.—If required, the same size gasometers can be had for compressed gas.

DENTINAL DESICCATOR.



																s.	d.
Dentinal 1	Desid	cat	or (Mr.	Ov	vens	s'),	\mathbf{for}	dry	ing	cav	rities	s p	revi	ous to		
stopping				•												25	0

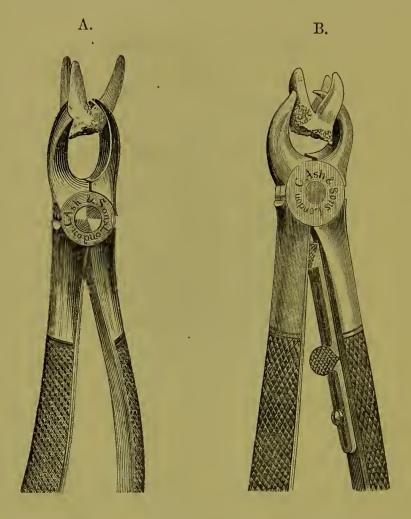
This Apparatus eonsists of a chamber made of tin covered with leather, mahogany top and bottom, held by means of brass rods and thumbscrews, and containing 6 to 7 ounces of chloride of calcium through which the air passes and becomes so perfectly dry that when, by pressure of the foot upon the indiarubber ball it is forced through the jet-tubo or mouth-pipe into the cavity of the tooth, the cavity is deprived of all moisture, and is ready for the stopping.

The air can be warmed, if necessary, by heating the bulb of the jet-tube or mouthpices over a spirit-lamp.

See British Journal of Dental Science for October, 1873.

N.B.—Directions are sent with each Apparatus.

FORCEPS FOR UPPER MOLAR STUMPS.



Forceps (Mr. Stevens'), Fig. A, for extracting stumps with 3 fangs		
when the crowns are very much broken down. The palatine		
blade is divided into two points, which slip on each side of the	8.	d.
palatine root, grasping it so firmly that it cannot slip cach	9	0
Forceps (Mr. Baly's), Fig. B, for the same purpose as the above,		
but constructed so that the buccal blade passes between the two		
fangs. The palatine blade is roughened to prevent slipping; the		
wedge, or stop, prevents the forceps closing too much and splitting		
the roots cach	10	6

PLUGGING FORCEPS.

1.

CASH
A SONS

2.



3.



Plugging Forceps (Dr. Flagg's), for condensing stopping in various

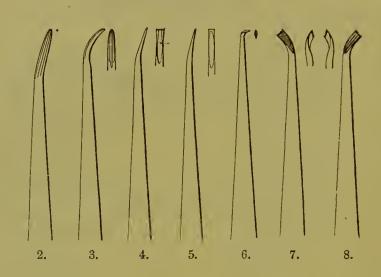
cavities per set of 3 31 6

Ditto ditto nickel-plated . . - . . extra , 5 3



Plugging Mallet (Mr. Kirby's), improved pattern, giving a more												
direct	blow and	being more	evenly	balan	ced	in	the	han	ıd,	in	s.	d.
Germa	n silver, nic	ekel-plated 🦠							J		58	0
Ditto	ditto	with leve	r action								75	0

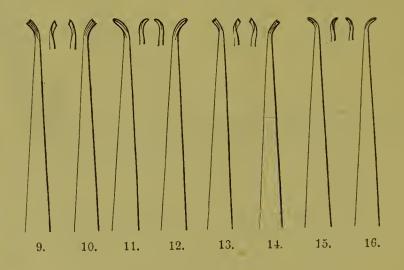
PLUGGERS.



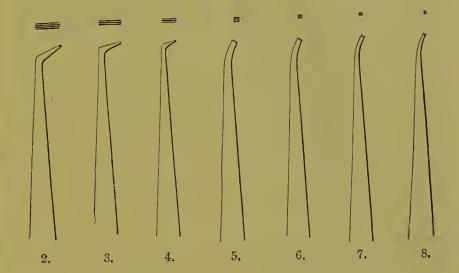
Pluggers (Dr. Bing's), in ivory handles, the set of 16 . . . 58 0

Ditto ,, in ebony ,, 45 0

This set of pluggers is used on the wedging principle, with Nos. 4 and 5, soft or non-adhesive gold foil folded in the form of tapo. When either pellets or cylinders of gold are used they should be forced into the cavity with the ordinary foot pluggers, and then keyed up with gold tape by means of the above pluggers.



PLUGGERS.



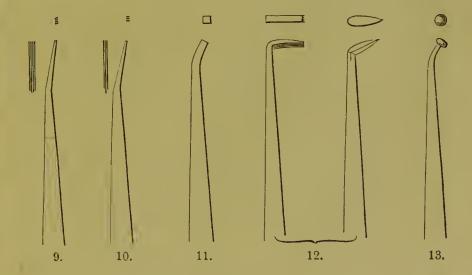
s. d.

Pluggers (Mr. Stevens'), used with Hand Mallet with

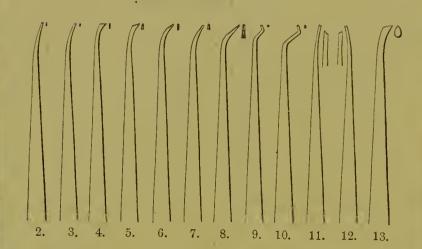
oval steel handles set of 13 63 0

No. 12 is a double-ended instrument.

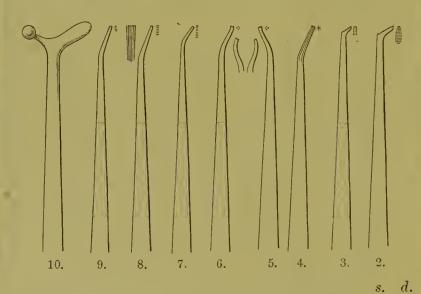
For directions how to use these pluggers, see 'Monthly Review of Dental Surgery' for February 1873, page 397.



MALLET PLUGGERS.

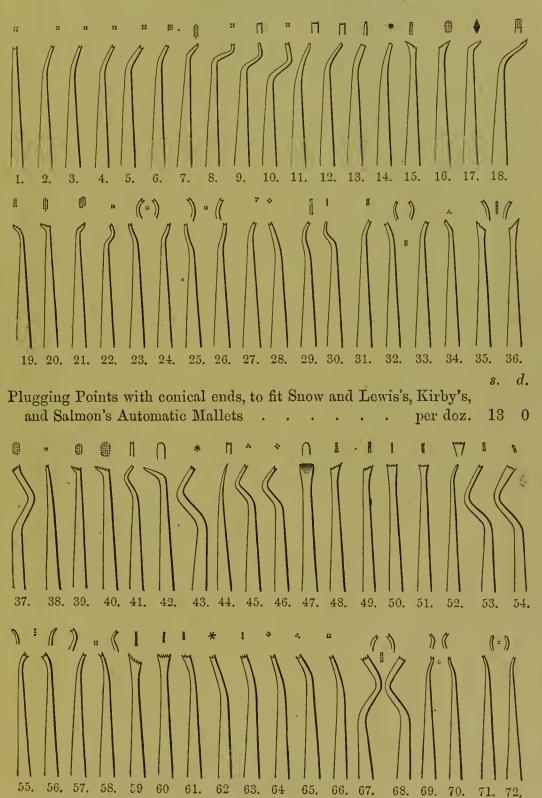


	8.	d.
Pluggers (Dr. Varney's), 7 inch steel, with polished		
tapered handles per set of 13	46	0
Ditto ,, ditto with polished		
swelled handles per set of 13	48	0
Ditto ,, ditto with blued		
centres, tapered or swelled extra per set	12	0
Plugger Points as above, to fit Kirby's, Snow and		
Lewis's, and Salmon's Automatic Mallets . each	1	1



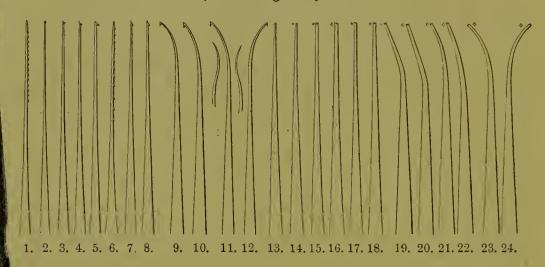
Pluggers (Mr. Stevens'). Steel handles with polished swelled handles; and 1 Burnisher. the set of 10 22 0

PLUGGING POINTS FOR AUTOMATIC MALLETS.



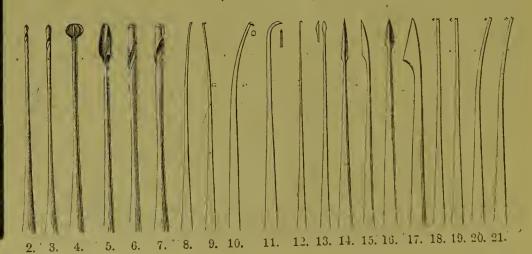
NERVE INSTRUMENTS.

(Dr. Arrington's.)

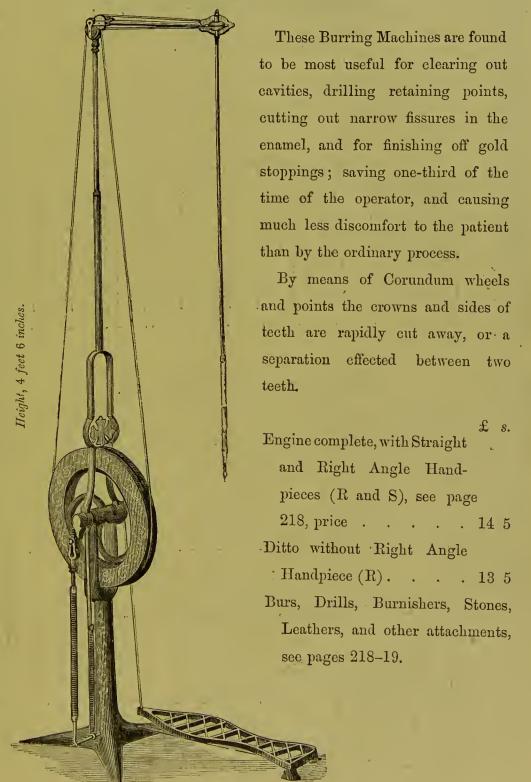


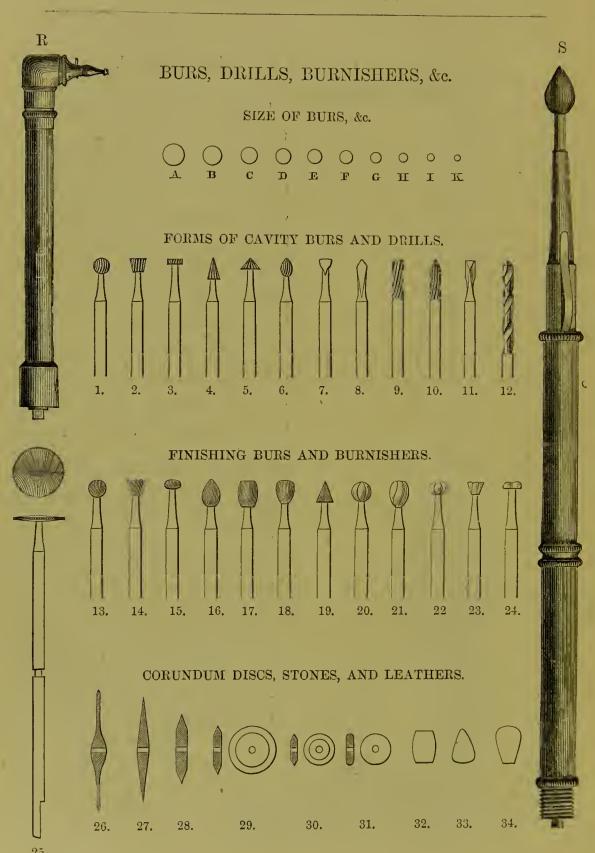
					8.	d
Nerve	Instrumen	ts (Dr. Arrington's), steel handl	es, per set o	f 24 .	17	6
22	,,,	(Dr. Palmer's) ,,	,•	21 .	19	0
>>	••	various, with small steel hand	lles	. each	0	9
Nerve	and Bur D	orills (Dr. Gate's) with	per set o	f 42 .	32	0

(Dr. Palmer's.)



MORRISON'S PATENT DENTAL ENGINE.





PRICES OF ENGINE ATTACHMENTS.

•		8.	d.
Cavity Burs, Nos. 1 to 6 (sizes A to K) e	each	0	9
Cavity Drills ,, 7 to 12 (,, F to K)	"	0	9
Finishing Burs ,, 13 to 19 (,, A to K)	"	1	3
Burnishers ,, 20 to 24 (,, A to K)	"	1	2
Wheel Burs for dividing, &c., No. 25	"	2	4
Saws, Circular, various sizes	"	1	9
Right-angle Burs, Drills, Burnishers, &c., are the same prices a above.	ıs		
Stones, Water Ayr, various, mounted	"	0	10
Stones, . " unmounted	"	0	5
Leathers, various forms, mounted	"	0	9
Leathers, ,, unmounted	"	0	4
Corundum Discs, large, medium, and small, No. 26, mounted	"	0	11
Corundum " No. 27 "	"	0	11
Corundum " Nos. 26 and 27, nnmounted	"	0	6
Corundum Discs and Cones, Nos. 28 to 34, mounted	"	0	6
Corundum " Nos. 28 to 31, unmounted	"	0	$1\frac{1}{2}$
Stems with screws for mounting Discs, Leather, &c	"	0	4
Mandrels, with screw nuts, nickel plated, to carry brushes, &c.	"	1	10
Brushes, $\frac{3}{4}$ to 1 in. diam. for cleaning teeth	"	1	3
Extra Right Angle and Straight Handpieces (R and S)	"	20	0
Extra Spring Catches for Handpieces	"	0	6
Extra Bands for Engine	33	0	6
Extra Driving Springs for Handpieces	"	0	7
Extra Balance and Off-centre Springs, nickel plated	לל	2	6
Stands, Ebonized Wood, to hold 73 points	"	7	0
	ć		

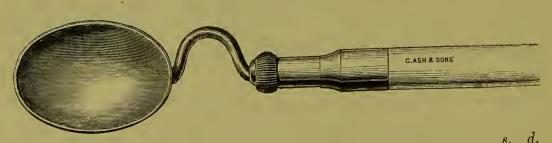
MIRROR.



This mirror has a metal comb for holding the gold tape while plugging.

REFLECTING MIRROR.

2.



This mirror is made to answer the purpose also of a lip distender, and is particularly useful to those who operate by reflexion. It has a movement at the back, which allows of it being used for either side of the mouth.

COFFER-DAM HOLDER.

3.



The above illustration represents the Coffer-dam holder in use, with the Rubber-dam attached, and forced over the tooth to be plugged.

Coffer-dam Rubber. See Index, p. 244.

COFFER-DAM PUNCH.

4.



Coffer-	dam Punel	nes, for eu	tting	ho	les	in l	Rubl	oer-	dam	, in	sto	el file	8.	đ.
out l	iandles, vai	rious sizes										each	1	10
Ditto	ditto,	ditto	nicl	cel-	plat	ted						22	2	2

COFFER-DAM APPLIER.

5.



~~			07	. 7 77							α. 9
Rubber-	-dam App	olier (Fig. 5)	, file eut	t handle	•	•	•	•	eaem	9	Э
Ditto	ditto	bronzed	` ,,	,,				•	"	3	4

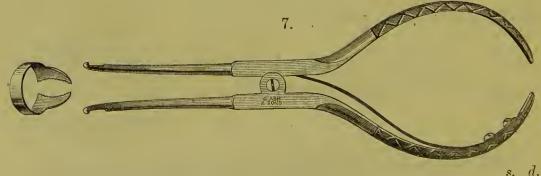
This instrument is used with silk or thread for forcing the rubber close down to the necks of the teeth.

COFFER-DAM PUNCH PLIERS.



Coffer dam Punch Pliers, various sizes (Fig. 6) . . . each 4 9

COFFER-DAM CLAMP FORCEPS.



Forceps for opening Clamps (Fig. 7)	each	10	6
Ditto ditto niekel-plated	22	12	3
Steel Clamps, various sizes, for holding the rubber in its			
place, nickel-plated	"	2	U

COFFER-DAM APPLIER.

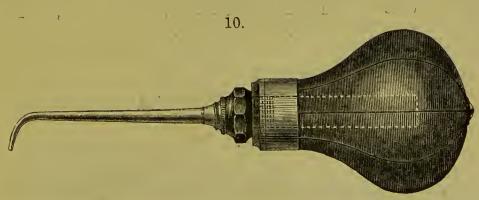
8.

This instrument is made to obviate the fault complained of by some, viz. that of pulling the rubber off again after pushing it between the teeth.

HOT-AIR SYRINGES.

9.

Hot-air Syringe (American form), German silver, nickel-plated, with s. d. flexible ball, for drying cavities previous to stopping (Fig. 9) each 12 6



UNIVERSAL HOLDER.

11.



Universal Holder (Mr. Lyddon's), to carry Corundum points, Canes,										d	
Stone	s, &c., in ivo	ry, octagon handle	•						each	7	6
Ditto	ditto										

TAPE CARRIER.

12.



									8.	d.
Tape	Carrier (Mr.	Harding's), in	ivory,	oetagon	hand	le.	•	each	18	0
Ditto	ditto	in ebony	handle					,,	16	0

PLUGGING TWEEZERS.

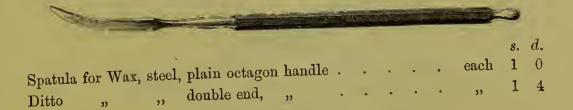
13.



Plugging Tweezers (Dr. Rich's) each $8 ext{ 0}$

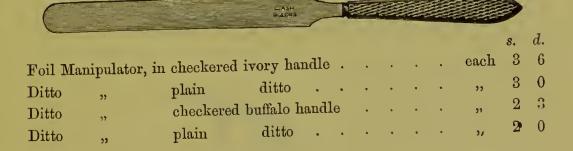
SPATULA FOR WAX.

14.



FOIL MANIPULATOR.

15.

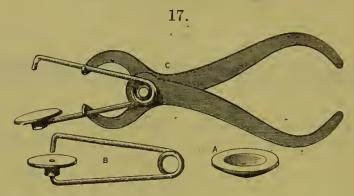


TONGUE HOLDER.



Tongue Holder (Dr. Flagg's), German silver, nickel plated, in ebony handle each 4 0

DUCT COMPRESSOR.



Duct Compressor, consisting of Pliers and two Clamps, in German	8.	d.
silver	6	0
Porous Buttons for ditto per doz.		
This instrument is used for arresting the flow of saliva from the duct of Ste	no	

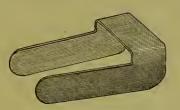
TONGUE COMPRESSOR.

18.

•								8.	d.
Tongue	Compressor,	steel,	nickel-plated	. 1			each	30	0
Ditto	75	brass,	ditto				,,	23-	0

NAPKIN HOLDER.

19.



IMPROVED ANNEALING LAMP.

20.



												s.	d.
Improved Annealing	Ļ	amp	(Mr.	Ov	vens'),	with	per	fora	ted	tray	and		
glass chimney .												4	0

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As several New Editions have been published, and various alterations have been made in the prices of books for Dental Students since 1871, when C. Ash and Sons published their last Catalogue, they have found it necessary to make out an entirely new list, corrected up to the present time, to which they have added several Books not contained in any of their former lists.

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For a long period after the death of Dr. Harris his Dictionary remained out of print, but a constantly increasing demand for it from the Profession, and from students, urged the publishers to the preparation of a new edition. The many advances in dental science made during this interim rendered the incorporation of many new terms and formulæ absolutely necessary to the student of Dentistry, as well as to the dental practitioner. The present edition has been thoroughly revised by Prof. Gorgas, Dr. Harris's successor in the Baltimore Dental College; and in a very satisfactory manner. Nearly three thousand new words have been incorporated into it, besides additions and corrections being made to many others. The doses of the more prominent medicinal agents have also been added, and in every way the book has been greatly improved, and its value enhanced as a work of reference. To those studying or practising Dentistry it must prove, invaluable.

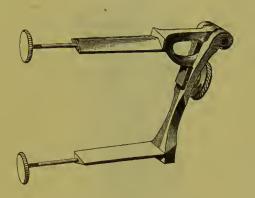
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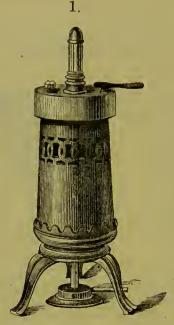
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the cramp is made to turn back, in order to facilitate the removal of the cover and flasks.

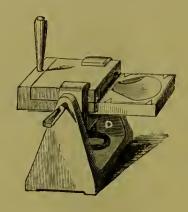
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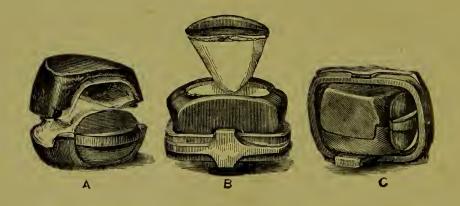
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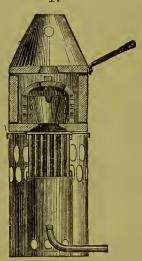
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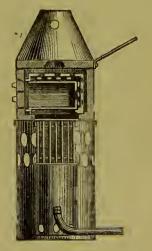
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١.



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2.



Figs. 1, 2, and 4 are sectional engravings, to show the interior of the furnaces.

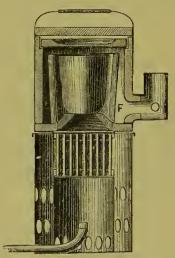
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GAS FURNACES.

3.

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Crucible tongs, 2s.; iron chimney, 9d. per foot; burner tubes, for reflecting, in case of accident, 3s. per dozen.		

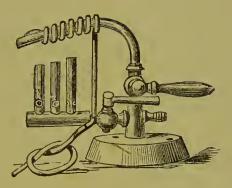
4.



·	8.	d.
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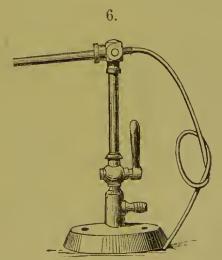
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5.



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								s.	d.
Blowpipe	(Herapath's)	for gas	•				(Fig. 6)	6	0
	ditto								

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This Alphabetical Index contains not only those articles which have been added to C. Ash and Sons' Stock, since the publication of their last Catalogue, and which are marked with an asterisk, but also a Complete List of everything contained in that Catalogue; so that by referring to any article the price will be ascertained, or the number of the page* in which every particular will be found.

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*Flasks, ,, iron	6	0
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*Fletcher's Enamel Stopping per packet	8	6
*Fletcher's ,, Liquid. See Liquid, Page 252.		
*Fletcher's Colouring Matter for ditto ,	1	. 0
*Fletcher's Platina Amalgam. Fine and medium per oz.	20	0
*Fletcher's Blowpipes, 239.		
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*Forceps, repolished and nickel-plated extra, each	2	6
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*Gags, India-rubber each	1	4
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*Gas Burner and Spider, American each	5	0
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*Glass ,, for 1st or 2nd Wash 1	Bottle	s ·	•	•	٠	• ,,		3
*Glass " for 3rd "	,,	•	•	•	•	• ,,	1	O .
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Glass Vessels, 110.						73	0	0
*Glycerole of Thymol		•				oz. bottle	2	0
Gold Cylinders		•	•	•	•	per oz.	140	0
Gold Foils, &c., 16, 17.							1.40	0
Gold Pellets, Nos. 1, 2, 3 and 4.	. p	$\operatorname{er} \frac{1}{8}$	oz.	17 <i>s</i> .	6d.,	per oz.	140	0
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*Hot ,, ,, unmounted ,,	5	0
*Hot ,, majoliea, mounted ,	4	6
*Hot ., ,, unmounted ,,	3	6
*Hot ,, ,, electro-plated each 28s. to	35	0
*Hydramyhl Chlor	16	0
*Hydramyhl Inhaler each	12	6
*Hypodermic Syringes, to order.		
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*Impression Trays, nickel plated, to order, extra each	1	0
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*India-rubber ditto, covered with mohair per foot	2	0
India-rubber Bungs each	1	0
*India-rubber Sheeting, for Regulating per lb.	4	6
India-rubber Rings, ,, per box	0	6
*India-rubber Bottles, for Syringes, 3 oz., 1s. 4d.; 2 oz., 1s. 1d.;		
1 oz., 9d.; and $\frac{1}{2}$ oz.	0	7
India-rubber Finger Stalls each	0	2
India-rubber Collars or Washers, 170.		
*India-rubber " for Ash's Portable Vulcanizers "	0	2
*India-rubber ,, Broad, for Lawson's Vulcanizer ,,	1	3
*India-rubber ,, Narrow, ,, ,, ,, ,,	1	0
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*Liquid ,, Roberts' ,,				• ;,	1	9
*Liquid ,, Oehleeker's ,,				, 3s. 9d.	2	0
*Liquid , Fletcher's ,				* 29	2	0
*Liquid ,, Rowney's ,,				٠.,	2	0
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*Mirrors, ,, German silver, nicke	l plated	, in ivory,		
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*Nickel-plating Handles of Instruments, large				0
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*Plaster of Paris, ,, in paper bags . per ewt. 9s. 6d., bag	0	9
Plaster of Paris, medium ,, ,, ,, 78.	0	7
Plaster of Paris, fine, in paper bags per ewt. 5s. 6d. bag	0	6
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Pouches, lined with Chamois, each	4/6	5/9	7/3	9/	10/6	12/	13/9	16/		
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*Rubber Cones										10
*Rubber-dam Clamps, For										

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*Rubber Wheels for Polishing, large and small . cach 1s. 7d. and	0	10
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*	16	0
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*Stent's Gum Enamel, &c per packet	2	6

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*Stopping Colouring Matter, Fletcher's or Rowney's . per packet	1	0
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*Stopping, Mr. Fletcher's, Enamel ,,	8	6
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*Syringes, 2 oz., ,,		•	•	•	٠	٠	•	"	8	0
*Syringes, 1 oz., ,,	• •	•	•	•			•	,,	7 5	6
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*Syringes, Mr. S. A. Kirby's, d	itto, 22	შ.							5	6
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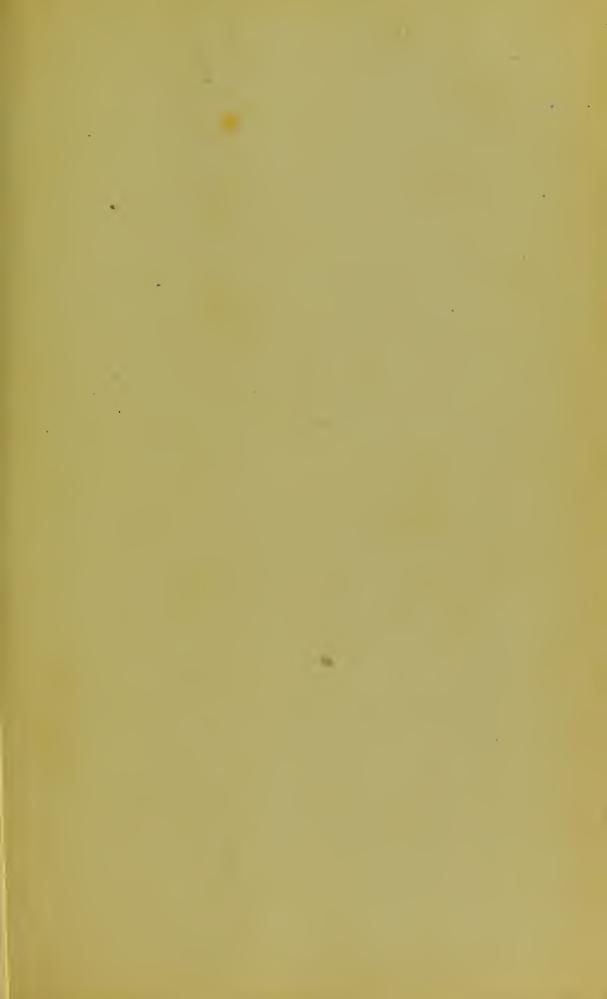
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