

Encyclopedia of Manufacturer's Marks on Glass Containers



Compiled and Edited by
The Bottle Research Group

Copyright 2013 Bill Lockhart

Preface to the Encyclopedia of Manufacturer's Marks on Glass Containers

The purpose of this encyclopedia is to update the venerable (and outdated) classic *Bottle Makers and Their Marks*, published by Julian Harrison Toulouse in 1971. Toulouse did a fantastic job, using the available technology of the 1960s. Much of his information came in the form of letters – now frequently referred to as snail-mail – which were generally handwritten and filled with semi-accurate or inaccurate information. It is remarkable how well he was able to create his 625-page study. However, that study is 42 years old in 2013. It is time for an update.

Background

The Bottle Research Group (BRG) is a consortium of archaeologists and other interested researchers dedicated to the study of glass containers. Our origins date to some point in 2002, when Bill Lindsey e-mailed Bill Lockhart, wanting to share information about bottles. The two rapidly became friends. Carol Serr first contacted Lockhart on August 8, 2003, because one of Lockhart's e-books contained the only example of a Clysmic bottle Serr could find online. On March 4, 2004, the three began group discussions about bottles.

Although the focus of the three researchers was very general, Lockhart, conducting research on soda bottles in El Paso, Texas, had become concerned because there was no information on the T-in-a-keystone logo that he was finding on El Paso bottles. Toulouse was silent on the subject, and none of the other publications about bottle markings offered any information. After considerable searching, Lockhart published an article on the Keystone-T logo and other marks used by the Knox Glass Bottle Co. After reading the article, David Whitten – a collector, researcher, and owner of a website about glass manufacturer's marks – joined the BRG on March 19, 2004. Whitten withdrew from the group in August 2005 to deal with other interests. He has remained a contributor, and his manufacturer's mark website continues to be one of the best quick-reference sites on the subject.

After discussing bottles with Carol Serr for some time, Pete Schulz joined the BRG on October 21, 2005. By this time, the BRG was having regular annual field trips and had seriously adopted the study of manufacturer's marks. The researchers officially adopted the title of the

Bottle Research Group in 2006. In March 2010, Schulz suffered a disabling stroke and had to become inactive in the group. As of 2013, Schulz remains inactive, and his presence is sorely missed.

On July 28, 2010, Beau Schriever e-mailed Lockhart to discuss Clorox bottles. Schriever hosted Lockhart (and his wife, Wanda Wakkinen) for a tour of a Fort Bayard, New Mexico, trash dump from November 23-25, 2010. On January 22, 2011, Schriever became a member of the BRG. The four continue to comprise the core group of the BRG.

The actual picture, however, is *much* larger. The BRG has developed a huge network of contributors, who may only supply information about a single bottle, jar or factory – or who may regularly or sporadically contribute information. Throughout this encyclopedia, we have recognized most of these outstanding helpers as coauthors or contributors; by citing specific contributions; and/or by thanking them in the “Acknowledgments” sections. We could attribute the quality and quantity of our information to this group of well over 200 archaeologists, collectors, historians, and just plain folks who find bottles – who share their knowledge and expertise with us.

Earlier, we mentioned the limitations that Toulouse worked under as he amassed his data during the 1960s. Because Toulouse worked in the glass industry (Owens-Illinois Glass Co.), he had access to many of the trade journals and a working knowledge of the players in the glass game at the time. In addition, he belonged to the collector’s glass network begun by May Jones (first in California, then in Nara Visa, New Mexico). Through Jones, Toulouse received input via letters from collectors all over the U.S.

We have a tremendously expanded network and access to sources. Internet searches open vast vistas that were unknown 40 years ago, especially into the realm of scanned books and articles, archaeological networks, and collectors’ websites. In addition, through the medium of e-mail and listserves, we are in contact with literally hundreds of archaeologists, collectors, historians, historical societies, museums, and just interested people. We can scan photos and drawings and capture photos from featured websites, eBay, and other online auctions. We are also in touch with professionals in today’s glass industry and numerous authors and researchers. In short, we have hundreds of resources that were unavailable in the days of Toulouse.

How to Use this Encyclopedia

The Encyclopedia is divided into letter sections (A, B, C, etc.) with some combinations (e.g., the DE section). Each of these letter sections contains a series of titles, usually the name of a glass manufacturer or a family name (e.g., the American Bottle Co. or the John Adams Companies). Occasionally, the title will reflect a logo that was used by more than one glass house (e.g., A.G.Co). Titles were also selected according to the way the *glass firm* styled itself. For example, A.&D.H. Chambers, A.R. Samuel, and A.G. Smalley (along with others) are all found in the “A” section.

There is *no* classification system that will work perfectly for assigning positions for either glass factories or manufacturer’s marks. To help our readers locate information, we have provided two tables (each in its own file or chapter – depending on whether you are using the printed or online format). The first table is a list of all factories found within a specific letter section. For example, the factory list in the “A” section includes intuitively obvious plants, such as Atterbury Glass Co., the Albany Glass Works, and Agnew & Co. However, it also includes derivative factories, including Anchor Cap & Closure Corp., Anchor Glass Corp., Anchor Glass Container Corp., and other firms associated with the Anchor-Hocking Glass Corp. – and counterintuitive names like B.F. Leach & Co. (associated with A.M. Foster & Co.), L.E. Smith Glass Co. (successor to the Anchor Glass Co.), and the General Glass Corp. (a subsidiary of the Anchor-Hocking Glass Corp.). Each listing will direct the reader to the individual chapter where a discussion of the glass plant may be found (e.g., General Glass Corp. will be discussed in the Anchor-Hocking Glass Corp. chapter).

A second table will direct the reader to specific chapters that discuss individual manufacturer’s marks. For example, the A.G.Co. mark will be discussed in the A.G.Co. chapter. The A-in-a-Circle logo shows up in both the Armstrong Cork Co. *and* the American Glass Works – Richmond chapters. A search in the “O” table will reveal that the O.B.CO. mark is discussed in the American Bottle Co. chapter of the “A” section.

Other Important Information

Information locked into glass containers is *not* limited to manufacturer’s marks, of course. The glass house logos are always related to the type of container, sometimes the color,

the manufacturing techniques involved, and other codes. We have tried to address all of these variables in our discussions of marks.

The logos themselves are also much more complex than Toulouse (and most other researchers) indicated. For example, various shapes can tell us things about both time and company. In most 19th century beer bottles, for example, the “o” in “Co” can be regular or superscript, usually with an underline (e.g., MGCo or MGC^o). The superscript is consistently earlier in bottles made by most glass houses of the period. Marks used by the Streater Bottle & Glass Co. were made in several formats, each with its temporal association; it is important to know what shape was used as well as the S.B.&G.Co initials. A Circle-A logo on a bottle that was mouth-blown into a mold was used by the Richmond plant of the American Glass Co. before 1920, while the same mark on a machine-made bottle was used by the Armstrong Cork Co. from 1938 to 1969.

The other codes on the bottles may often be useful. Although mold codes on 19th century beer bottles and some other styles can give us a sense of a bottle’s age, they become increasingly less helpful as we move into the machine era. Some companies with multiple factories also used factory codes. Where applicable, we have discussed these. Some numbers are catalog or model codes. These can identify in some cases what the bottle or jar looked like – even if only a fairly small fragment is available.

Of greatest importance, the American Bottle Co. began using date codes on some of its bottles in 1906. A few breweries and soda bottlers had included four-digit date codes on their bottles during the last half of the 19th century, but these were scarce. Once the American Bottle Co. began using first one-digit then two-digit date codes, it began a trend that others quickly emulated. By 1930, most soda and milk bottles included date codes. In 1934, federal law mandated date codes on all bottles made to hold liquor. We have included a discussion of date (and other) codes whenever applicable.

We hope that our format and information will provide a useful tool for dating and bottle identification for archaeologists, collectors, and anyone else who may be interested.

Volume A

The Bottle Research Group

(In order by membership date)

Bill Lockhart, Bill Lindsey, Carol Serr
Pete Schulz, and Beau Schriever

With Contributions by

David Whitten, Jay Hawkins, Tod von Mechow
Barry Bernas, Tom Caniff, Ken Farnsworth
Jim Sears, Russ Hoenig, Phil Perry, and Harvey Teal

Table of Contents

Volume A

Preface.	i
Table of Contents.....	vii

Logos and Glass Houses

A

The Glass Factories and Bottles of Alexander and David H. Chambers.....	1
Histories.....	1
Anderson, Chambers & Co.....	1
Chambers, Agnew & Co.....	2
Containers and Marks.	3
A. & D.H. Chambers.	3
Containers and Marks.	5
A&DHC.....	5
Flasks.....	6
Cylinder Whiskey Bottles.	7
Porter, Ale, and Ale Bottles.....	8
Soda Bottles.....	10
Blob-Top Soda Bottles.....	10
Arthur Christin Finishes.....	11
Kelley Gravitating Stoppers.....	13
Hutchinson Soda Bottles.	14
Bitters Bottles.....	15
Medicinal and Other Bottles.	16
The Reservoir – Fruit Jars.	18
ALDHC.	19
A.D.&H.Co.....	19
A&DH CHAMBERS PITTSBURGH PA.....	19
Cylinder Whiskey Bottles.	19
Rickett’s-Style Bases on Whiskey Bottles.....	21

Early Pontil Base.	23
Late Pontil/Early Smooth Base.	23
Stepped Base.	23
Concave Base.	24
Sunken or Indented Base.	24
Fruit Jars.	24
C.	27
Unmarked Containers.	27
Chambers & McKee Glass Co..	28
Chambers Glass Co.	28
Containers and Marks.	29
Discussion and Conclusions.	29
Acknowledgments.	30
Sources.	31
A.G. Smalley & Co.	37
Histories.	37
Lovell & Smalley and Smalley's Early Glass Dealings.	37
A.G. Smalley & Co.	37
Smalley Fruit Jar Co.	40
Smalley Jar Co.	40
Patents.	41
Smalley's Square Fruit Jar Patents.	41
Smalley's Milk Jar Patent.	42
Demijohn Patents.	42
Thomas J. Duffy's 1900 Milk Bottle Handle Patent.	43
Charles H. Nicholson's 1904 Patent.	43
Containers and Marks.	44
AGS Monogram.	44
AGS&Co.	47
A.G. SMALLEY & CO..	49
FULL MEASURE.	50
Eureka Fruit Jar.	51
Mason Jars.	52

NU-SEAL.....	52
ROYAL.	54
THE SMALLEY.	55
Patent Dates.	57
Discussion and Conclusions.	57
Smalley Jars by Type.	58
Smalley Jars by Temporal Periods.	59
Acknowledgments.	60
Sources.	60
A.M. Foster & Co.	65
Histories.	65
A.M. Foster & Co.	65
B.F. Leach & Co.	68
B.F. Leach Glass Co.	68
Spencer Cooperative Glass Co.	68
Marion Flint Glass Co.	69
Millgrove Glass Co.	69
The Adelbert Foster Patent.	70
Containers and Marks.	71
Prescription and Druggists' Bottles.	71
A.M.F.&Co.	71
AMF.	73
KELLOGG.	73
KLONDIKE.	75
Paris.	76
Other Bottle Types.	77
Fruit Jars.	78
SEALFAST.	79
SEALTITE.	83
Discussion and Conclusions.	87
Acknowledgments.	89
Sources.	89

A.R. Samuel, the Philadelphia Jar Maker.	95
Histories.	95
A.R. Samuel and the Keystone Glass Works.	95
Haller & Samuel.	97
Yarnell & Samuels.	98
William T. Gillinder and the Franklin Flint Glass Works.	99
Related Patents.	100
Edwin Bennett, 1857.	100
James D. Willoughby, 1859.	101
John M. Cooper and William L. Haller, 1860.	101
A. Kline, 1863.	102
William T. Gillinder and Edwin Bennett, 1865.	102
Edwin Bennett, 1866.	103
William L. Haller, 1867.	103
William T. Gillinder, 1867.	104
William L. Haller, 1870.	104
Containers and Marks.	105
Fruit Jars.	105
The Franklin and Dexter Series.	106
FRANKLIN FRUIT JAR.	107
FRANKLIN DEXTER FRUIT JAR.	110
DEXTER.	112
Haller Patent Jars.	114
H&S (script).	115
Wm. L. Haller.	116
Kline Jars.	118
Kline Jars with Side Embossing.	119
Kline Stoppers.	121
ARS (script).	124
Mason Jars.	125
MASON'S {keystone drawing} KEYSTONE.	125
MASON'S IMPROVED.	128
MASON'S / PATENT / NOV. 30 TH / 1858.	130
Star Jars.	133

Willoughby Patent.	137
Flasks.	140
ARS.	140
Discussion and Conclusion.	140
Acknowledgments.	142
Sources.	142
Acme Glass Co. and the Acme Logos.	149
Histories.	149
Acme Glass Co.	149
Dominion Glass Co.	151
The Henry C. Fox Factories.	151
Henry C. Fox.	151
H.C. Fox & Sons.	151
Fox, Fultz & Webster.	152
Fox, Fultz & Co.	153
The Charles D. Fox 1874 Patent.	154
Containers and Marks.	154
ACME.	154
Milk Bottles.	154
Fruit Jars.	155
Acme (cursive).	157
Other Fox Company Marks.	158
FF&W.	158
FOX, FULTZ & WEBSTER.	158
FOX, FULTZ & CO.	159
Discussion and Conclusions.	159
Acknowledgments.	160
Sources.	160
Adams & Co. and the Other Adams Firms.	165
Histories.	165
Adams, Roseman & Co.	165
Adams, Macklin & Co.	166

Containers and Marks.	167
KEYSTONE.	167
Adams & Co..	168
Containers and Marks.	169
A.. . . .	169
A&Co..	170
Bennett Peiters..	171
A&C..	172
ADAMS & CO..	172
Patented Fruit Jars.	173
Bennett's Patent.	174
Kline Jar..	175
Adams Jar..	175
E. Bennett's Patent Jar..	176
Bennett's No. 1.	176
Bennett's No. 2.	177
Adams and Bennett's Stoppers.	178
Buckeye.	181
Queen..	182
King.	184
Discussion and Conclusions.	184
A.. . . .	184
A&Co..	185
The Adams/Bennett Fruit Jar Dilemma..	185
Acknowledgments.	186
Sources..	186
The Adolphus Busch Glass Factories.	191
History.	191
Adolphus Busch Glass Co..	191
Adolphus Busch Glass Mfg. Co..	192
Containers and Marks.	195
Adolphus Busch Glass Co..	195
ABGCo.	196

A.B.G.CO. / S ^T L.	197
Adolphus Busch Glass Mfg. Co..	198
A.B.G.M.CO...	200
Beer and Hutchinson Bottles.	200
Grooved-Ring, Wax-Sealer Fruit Jars.	202
A.B.G.M.Co / Belleville, Ill..	203
Liquid Bread.	203
Discussion and Conclusions.	206
Sources...	208
The Strange Case of the Aetna and Arsenal Glass Works...	215
Histories...	215
Aetna Glass Works.	215
Arsenal Glass Works.	216
Aetna Glass Works.	217
Modes & Nichols...	219
Containers and Marks.	220
A.G.Co..	220
A.G.W...	221
A.G.Wks.L..	222
A.G.W.L. / PITTS, PA.	222
ARSENAL / GLASS WORKS / PITTS, PA...	224
TRIUMPH N ^o . 1 (or 2 or 3)...	225
Union No. 1 (or 2 or 3 or 4)...	226
OK.	228
C.K. HALLE & C ^o	229
VICTOR...	229
W.F.M...	229
Discussion and Conclusions.	230
The Perplexing A.G.W.L. / PITTS, PA Fruit Jar.	230
Triumph, Union, and Related Fruit Jars...	232
Future Research.	235
Acknowledgments.	235
Sources...	236

The A.G.Co. Logo.	239
Containers and Marks.	239
A.G.CO. on Flasks.	239
Histories.	241
Annapolis Glass Co.	241
Atlanta Glass Co.	241
Rankin-Nichols Glass Co.	241
Southern Glass Co.	241
Augusta Glass Works.	242
Discussion and Conclusions.	244
A.G.CO. on “Ten-Pin” Soda Bottles.	245
History.	245
Alexandria Glass Co.	245
Discussion and Conclusions.	246
A.G.CO. on Hutchin Soda and Beer Bottles.	246
Discussion and Conclusions.	247
A.G.CO. on Beer Bottles.	247
Discussion and Conclusions.	248
A,G,CO. on Other Bottle Types.	248
Discussion and Conclusions.	249
SUPERIOR A.G.CO. Jars.	249
Possible Manufacturers.	251
Anacortes Glass Co.	251
Atlas Glass Co.	253
Hazel Glass Co.	254
Whitney Glass Works.	254
Discussion and Conclusions.	256
Anacortes Glass Co.	256
Anchor Glass Co.	257
Atlas Glass Co.	257
Hazel-Atlas Glass Co.	258
A Product Jar by the Whitney Glass Works.	258
THE TELEPHONE JAR.	259
DURHAM.	261

F&S.	261
GREEN MOUNTAIN C.A.CO..	261
H&C.....	263
SILICON.	264
SILICON GLASS COMPANY.....	264
Summary.	265
Who Used the SUPERIOR A.G.CO. Jars?.	265
Acknowledgments.	268
Sources.....	268
The John Agnew Companies.....	279
Histories.....	279
Chambers & Agnew.....	279
John Agnew & Co.....	279
Containers and Marks.	280
A&Co.....	280
Agnew & Wilcox.....	281
Containers and Marks.	281
A&W.	281
John Agnew & Son.	282
Containers and Marks.	282
A.....	283
AGNEW & SON.....	284
JOHN AGNEW & SON.	284
Agnew & Co.....	285
Containers and Marks.	286
AGNEW & CO.....	286
Agnew & Co., Ltd.....	290
Discussion and Conclusions.	291
A.....	291
A&Co.....	292
A&W.	292
AGNEW & SON and JOHN AGNEW & SON.....	292
AGNEW & CO.....	293

Acknowledgments.	293
Sources.	293
Alexander Arbogast.	297
Histories.	297
Alexander & Kapahan.	297
Alexander Arbogast.	297
Containers and Marks.	298
AA.	298
A. ARBOGAST.	298
ARBOGAST & CO..	299
Pittsburgh Seamless Bottle Co..	300
Containers and Marks.	301
Patents.	301
Philip Arbogast.	301
July 11, 1882.	301
John Arbogast.	302
January 12, 1909.	302
November 30, 1909.	303
July 25, 1911.	303
June 13, 1911.	303
September 12, 1911.	303
Discussion and Conclusions.	304
Sources.	304
The Glass Houses of Alfred Alexander.	307
Histories.	307
Blaydon Glass Bottle Co.	307
Yorkshire Bottle Co..	307
Alexander, Austin & Pool.	307
Alexander & Austin.	308
Alexander & Co..	309
Containers and Marks.	310
ALFRED ALEXANDER & C ^o	310

A. ALEXANDER & Co..	311
Discussion and Conclusions.	312
Sources..	312
The American Bottle Co.: A Study in Contrasts and Contradictions.	315
Histories..	316
Ohio Bottle Co..	316
Containers and Marks.	319
O.B.C..	319
O.B.Co. or O.B.CO..	319
American Bottle Co..	321
Individual Plants.	323
Wooster.	323
St. Louis..	324
Bellville.	324
Massillon.	325
Newark..	326
Streator..	328
Containers and Marks.	328
American Bottle Co. (1905-1916)..	328
Date Codes..	330
A, B, and S..	334
AB or A.B..	336
AB-Ligature..	338
AB-ligature-plus-Co..	339
ABCo in an Arch.	340
ABCo Horizontal Across the Base..	340
A.B.CO. Horizontal on Heel.	342
“SABCo”	343
The Missing Logos and Codes..	343
American Bottle Co. (1916-1929)..	345
16S Series..	345
S..	346
16N Series.	346

AB on Clicquot Club Bottles.....	347
17 • B • 174.	348
25S Series (with or without underline).	348
A.B.CO. / X / 30N.	350
Discussion and Conclusions.	350
Sources.....	354
American Glass Work, Ltd. and American Glass Works, Pittsburgh.	363
Pittsburgh.....	363
History.	364
American Glass Works.	364
American Glass Works, Ltd..	364
American Glass Works.	365
Patents.	366
September 18, 1899.	366
May 20, 1890.	366
March 18, 1890.	367
April 24, 1900.	367
Containers & Marks.....	368
A.G.W.Co.....	368
A.G.W.L.	368
Champagne, Porter, and Weiss Beer Bottles.	370
Export Beer Bottles.	371
Hutchinson Bottles.....	372
Flasks.....	373
Fruit Jars.....	374
Other Bottles.	375
AGW.	375
Discussion and Conclusions.	378
The Companies and Plants.....	378
A.G.W.Co.....	378
A.G.W.L.	379
A.G.W.....	380
Acknowledgments.	380

Sources.....	380
American Glass Works – Richmond and Paden City.	385
Histories.....	385
Southern Glass Co.....	385
American Glass Works, Inc., Richmond.	385
American Glass Works, Inc., Paden City.....	386
Containers and Marks.	386
Circle-A.	387
AGW.	388
Soda Bottles.....	388
Dr. Hostetter’s Stomach Bitters.....	389
Medicine Bottles.	391
Sauer’s Extracts.	391
Type I.	392
Type II.	392
Type III.....	393
Type IV.	394
Type V.	395
Type VI.	396
Type VII.....	396
Sauer’s Spinoffs.....	396
Other Bottles.	397
Discussion and Conclusions.	397
Circle-A.	397
AGW.	401
Acknowledgments.	402
Sources.....	402
The Anchor Glass Co., L.E. Smith Glass Co., & the Mystery of the Anchor Fruit Jar.	405
History.	405
Anchor Glass Co.....	405
L.E. Smith Glass Co.....	406
Containers and Marks.	408

ANCHOR and design of admiralty anchor and a wrap-around chain.	408
ANCHOR MASON’S PATENT.	408
The Seamless, Continuous-Thread Finish.	417
Ramifications of the 1913 Fire.	417
Other Anchor Jars.	418
Conclusions.	419
Acknowledgment.	420
Sources.	420
Anchor Hocking Glass Corp.	423
Company Histories.	423
Anchor Cap & Closure Corp.	423
Anchor Cap Corp.	423
Hocking Glass Co.	424
General Glass Corp.	425
Anchor Hocking Glass Corp.	426
Anchor Hocking Corp.	427
Anchor Glass Container Corp.	428
Anchor Hocking Specialty Glass.	428
Containers and Marks.	430
<u>HG</u> / CO in a shield.	430
Diamond G.	431
Capstan.	431
Anchor-H Monogram.	431
Liquor Codes.	434
Anchorglass.	435
Royal Ruby.	435
Stylized Anchor in a Round-Cornered Rectangle.	437
Mirrored “G” Anchor.	437
Discussion and Conclusions.	438
Sources.	439
Armstrong Cork Co.	445
History.	445

Armstrong Cork Co.....	445
Armstrong Cork Co. (Glass Division).....	445
Containers and Marks.	447
Circle-A.	447
Circle-A [rmstrong].	449
Liquor Code.....	449
W / T in an Inverted Triangle.....	449
Logos from the Hart Glass Mfg. Co.....	451
Discussion and Conclusions.	451
Sources.....	452
Arthur, Burnham & Gilroy: A Study of Unlikely Relationships in Early Fruit Jars.	455
Patents.	455
James Spratt, 1853.....	456
James Spratt, 1854.....	456
Robert Arthur, 1854.....	457
Robert Arthur, 1855 and 1856.....	458
Fridley & Cornman, 1859.	459
Histories, Jars, and Marks.	460
Arthur, Burnham & Co.....	460
Cans and Jars.	462
Cans.	462
Ceramic Jars.....	463
Glass Jars.	463
Arthur, Burnham & Gilroy.....	464
Cans and Jars.	465
Cans.	466
Ceramic Jars.....	467
Glass Jars.	467
Huyette & Fridley.....	468
Jars and Marks.	471
KEYSTONE.	472
Fridley & Cornman's Patent.	473
Huyett & Fridley.	475

Lids.	476
C. Burnham & Co.....	478
Jars and Marks.....	479
Discussion and Conclusions.	480
Acknowledgments.	483
Sources.....	483
Atlantic Bottle Co.....	487
History.	487
Atlantic Bottle Co., Brackenridge.	487
Atlantic Bottle Co., Tarentum.	489
Containers and Marks.	490
ABC.....	490
A.B.C.2.	490
A.B.C.2 Massachusetts Seal.	492
A.B.C.30.	492
Discussion and Conclusions.	493
Sources.....	493
The Atterbury Glass Houses.	497
Histories.....	497
Hale, Atterbury & Co..	497
Atterbury, Reddick & Co..	497
J.S. & T.B. Atterbury.....	498
Atterbury & Co.....	498
Atterbury Glass Co.....	498
Patents.	499
November 20, 1860 – T.B. & J.S. Atterbury.....	499
June 30, 1863 – T.B. & J.S. Atterbury.....	500
July 21, 1863 – P.W. Reid.....	500
Tableware Patents.	501
April 3, 1888 – Thomas B. Atterbury.	501
Containers and Marks.	502
ATTERBURY.....	502

ATTERBURY’S PATENT JUNE 30 1863.....	503
REID.	503
Mustard Jars.....	504
Other Bottles.	505
Discussion and Conclusions.	506
Acknowledgments and Note.	507
Sources.....	507
Other “A” Marks.	509
Containers and Marks.	509
A.....	509
A in a Triangle.....	510
A.B..	510
A.B.C. or ab-ligature in outlined letters.....	511
Possible Manufacturer.	511
Albion Bottle Co.....	511
Albion Glass Co..	512
Albion Glass Works.....	512
ABC.....	513
Possible Manufacturer.	514
East Stroudsburg Glass Co..	514
A&Co.....	516
ACBCo.....	516
ACME.	517
ADLAM.....	517
A.D.S.....	519
ADVANCE.	520
AGCL.....	520
AGBCo.	520
AGC and AGC in an outline of the state of Arkansas.....	520
Manufacturer History.....	521
Arkansas Glass Container Corp..	521
A.G.S.&Co..	522
AG&SCo.....	522

A.G.W.CO..	522
Possible Manufacturer History..	523
Alloa Glass Works..	523
A.H.T.CO. PHILADELPHIA.	523
ALBANY GLASS WORKS.	523
Manufacturer History..	524
Albany Glass Works.	524
ALMY.	526
Manufacturer History..	527
Hay & Co..	527
The Alston.	527
ALTON GLASS CO..	528
Manufacturer History..	528
Alton Glass Co..	528
A&P..	529
User.	530
Great Atlantic & Pacific Tea Co..	530
ARROWHEAD.	530
Manufacturers.	534
W.J. Latchford Glass Co..	534
McLaughlin Glass Companies..	534
Arrowhead Springs Co..	535
Arrowhead Beverage Co..	535
Arrowhead and Puritas Water Co..	536
ASF.	536
AS&Co Monogram.	536
User.	537
A. Schilling & Co..	537
AUGUSTA GLASS WORKS.	537
AVON.	537
User.	538
California Perfume Co..	538
Avon Products, Inc..	538
Discussion and Conclusions.	539

ACBCo.....	539
A&P.....	539
Arrowhead.....	540
Acknowledgments.....	540
Sources.....	540
A Section Firms.....	549
Manufacturer's Marks and Other Logos on Glass Containers.....	553
A.....	553

