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U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
Washington

Letter
Circular
LC 839
(Supersedes
LC 558)

January 1, 1947

DENTAL MATERIALS:

Publications by the Staff of the National Bureau of Standards
and Research Associates on Dental Materials.

Most of the publications in this list may be consulted
at dental school and technical libraries.

Orders for items having series letters OJ should
be sent to the American Dental Association Research Fellow-
ship at the National Bureau of Standards, Washington 25, D.C.
Order OJ reprints by Item Number. (Items marked OP in
the price column are out of print.) Remittance should be
made payable to the A.D.A. Research Fellowship. DO NOT make
remittance payable to the National Bureau of Standards.

Orders for items having series letters S, T, RP or C
should be sent to the Superintendent of Documents, Govern-
ment Printing Office, Washington 25, D. C. Order government
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quoted are for delivery to addresses in the United States and
its territories and possessions and in certain foreign coun-
tries which extend the franking privilege. In the case of all
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be added to cover postage. Remittances should be made either
by coupons (obtainable from the Superintendent of Documents
in sets of 20 for \$1.00 and good until used), or by check or
money order payable to the "Superintendent of Documents,
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Orders for items having series letter P (patents)
should be sent to the Commissioner of Patents, Washington 25,
D. C. Order patents by Patent Number.

The series letters and serial numbers used in this list
designate the publications as follows:

- S "Scientific Paper". S1 to S329 are "Reprints" from the "Bulletin of the Bureau of Standards". S330 to S572 were published as "Scientific Papers of the Bureau of Standards". This series was superseded by the "Bureau of Standards Journal of Research" in 1928.
- T "Technologic Paper". T1 to T370. This series was superseded by the "Bureau of Standards Journal of Research" in 1928.
- RP "Research Paper". These are reprints of articles appearing in the "Bureau of Standards Journal of Research" and the "Journal of Research of the National Bureau of Standards", the latter being the title of this periodical since July 1934 (volume 13, number 1).
- C "Circular". These are compilations of information on various subjects related to the Bureau's scientific, technical, and engineering activities. They include not only the results of the Bureau studies, but give data of general interest from other sources.
- P "Patent". These are patents on dental materials issued to members of the staff of the Bureau and assigned to the Government of the United States.
- OJ "Outside Journal". These are articles appearing in the Journal of the American Dental Association and other dental journals.

Circular C24 and Supplements, the complete list of the Bureau's publications (1901-1945) is sold by the Superintendent of Documents for \$1.30.

SPECIFICATIONS FOR DENTAL MATERIALS

<u>Material</u>	<u>Ref. Item No.</u>	<u>ADA Spec.No.</u>	<u>Fed.Spec.No.</u>
Amalgam	50 and 113	1	U-A-451a
Inlay Casting Investment	26 and 113	2	U-I-546
Impression Compound	90 and 113	3	U-M-506
Inlay Wax	93 and 113	4	U-W-141
Inlay Casting Gold	34 and 113	5	QQ-G-540
Dental Mercury	35 and 113	6	-----
Wrought Gold Wires	40 and 113	7	-----
Zinc Phosphate Cements	73 and 113	8	-----
Silicate Cements	74 and 113	9	U-C-205
Denture Rubber	94 and 113	10	ZZ-R-696
Hydrocolloidal Impression Materials	88 and 113	11	U-I-496
Dental Acrylic Resin	110 and 113	12	U-D-226
Tooth Paste	72 and 113	--	FFF-D-191a

Mimeographed copies of ADA Specifications available free from ADA Research Fellowship at the National Bureau of Standards.

Copies of Federal Specifications available at 5 cents each from Superintendent of Documents. The Federal Specifications listed above are based largely upon work conducted at the National Bureau of Standards. Federal Specifications for many other dental materials are in use.

See pages 1 and 2 for instructions for ordering reprints.

Dental Materials

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
1	Physical properties of dental materials (Amalgam and testing equipment). Wilmer Souder and Chauncey G. Peters (1920). Reprinted in Dental Cosmos <u>62</u> , 305 (1920). - - - - -	T157	10¢
2	Dental Research (Outline of program). J. Am. Dent. Assn. <u>11</u> , 249 (1924).	OJ	OP
3	Physical properties of dental materials (Problems and possibilities). Wilmer Souder. J. Am. Dent. Assn. <u>12</u> , 509 (1925).	OJ	OP
4	Physical properties of dental materials. (Wrought gold alloys). R. L. Coleman, Jr. J. Am. Dent. Assn. <u>12</u> , 520 (1925).	OJ	OP
5	Possibilities of a specification for dental amalgams. Wilmer Souder. Bul. Chicago Dent. Soc. <u>5</u> , (July 24, 1925).	OJ	OP
6	Physical properties of dental materials (Amalgam). Wilmer Souder. Dent. Dig. <u>32</u> , 16 (1926).	OJ	OP
7	Physical properties of dental materials (Analysis of problems in casting gold alloys). R. L. Coleman, Jr. Dent. Cos. <u>68</u> , 743 (1926).	OJ	OP
8	Analysis of dental gold alloys. Wm. H. Swanger. Sci. Pap. BS <u>21</u> , 209 (1926). Reprinted in J. Dent. Research <u>7</u> , 373 (1927) - - - - -	S532	10¢
9	Selection of dental materials (Casting to dimensions). Wilmer Souder. J. Am. Dent. Assn. <u>14</u> , 189 (1927)	OJ	OP
10	Dental amalgam (Specification). Wilmer Souder. J. Dent. Research <u>7</u> , 173 (1927).	OJ	OP
11	Casting gold alloys (Compositions and proper- ties). R. L. Coleman, Jr. Dent. Cos. <u>69</u> , 1007 (1927)	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
12	Problems of research. George K. Burgess, Proc. Am. Assn. Dent. Sch. <u>5</u> , 76 (1928)	OJ	OP
13	Dental gold alloys (Tentative specification). Wilmer Souder. J. Am. Dent. Assn. <u>15</u> , 627 (1928).	OJ	OP
14	Physical properties of dental materials (Summary of tests on gold alloys and accessory materials). R. L. Coleman, Jr. B.S. J. Research <u>1</u> , 867 (1928)- - -	RP32	35¢
15	Mechanical amalgamation; Progress report of research on dental materials. N. O. Taylor. J. Am. Dent. Assn. <u>16</u> , 583 (1929).	OJ	OP
16	Survey of amalgam alloys: Report to the Research Commission of the American Dental Association. N. O. Taylor. (See later reports for changes in this list). J. Am. Dent. Assn. <u>16</u> , 590 (1929).	OJ	OP
17	A statement from the Bureau of Standards in relation to the utilization of the name of the Bureau in advertising. J. Am. Dent. Assn. <u>16</u> , 1108 (1929).	OJ	OP
18	Physical properties of dental materials (Some laboratory experiments for the dental schools). Wilmer Souder. J. Am. Dent. Assn. <u>16</u> , 1829 (1929).	OJ	OP
19	Specification for dental amalgam alloys: Report to the Scientific Foundation and Research Commission of the American Dental Association. N. O. Taylor. J. Am. Dent. Assn. <u>17</u> , 112 (1930).	OJ	OP
20	Progress report on research on dental materials (II). The research program. N. O. Taylor. J. Am. Dent. Assn. <u>17</u> , 775 (1930).	OJ	
21	Tentative specifications for dental casting investment. Wilmer Souder and W. T. Sweeney. J. Am. Dent. Assn. <u>17</u> , 780 (1930).		

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
22	Value of dental research appreciated by the profession. Wilmer Souder. Iowa Dent. Bul. <u>16</u> , 81 (1930)	OJ	OP
23	Problems in dental research. Wilmer Souder. J. Dent. Research <u>10</u> , 547 (1930).	OJ	OP
24	Amalgam technic: Dangerous and dependable practices. N. O. Taylor, J. Am. Dent. Assn. <u>17</u> , 1880 (1930).	OJ	OP
25	Survey of current inlay casting technics. N. O. Taylor and G. C. Paffenbarger. J. Am. Dent. Assn. <u>17</u> , 2058 (1930).	OJ	OP
26	Dental inlay casting investments: Physical properties and a specification. N. O. Taylor, G. C. Paffenbarger, and W. T. Sweeney. J. Am. Dent. Assn. <u>17</u> , 2266 (1930).	OJ	OP
27	Specification for inlay casting wax. N. O. Taylor, W. T. Sweeney, and G. C. Paffenbarger. J. Am. Dent. Assn. <u>18</u> , 40 (1931).	OJ	OP
28	Specification for dental impression compound. N. O. Taylor, W. T. Sweeney, and G. C. Paffenbarger, J. Am. Dent. Assn. <u>18</u> , 53 (1931).	OJ	OP
29	Progress report: Research on dental materials, Research program; Cooperative work on inlay casting technic. N. O. Taylor. J. Am. Dent. Assn. <u>18</u> , 294 (1931).	OJ	OP
30	Standards for dental materials. N. O. Taylor. Iowa Dent. Bul. <u>17</u> , 89 (1931). Michigan State Dent. Soc. Bul. <u>13</u> , 26 (1931).	OJ	OP
	Dental casting technic: Theory and practice. G. C. Paffenbarger and W. T. Sweeney. J. Dent. Research <u>11</u> , 681 (1931).	OJ	OP
	blems involved in the study of wrought gold alloys for orthodontia. N. O. Taylor. Internat. J. Orthodontia <u>17</u> , 1033 (1931).	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
33	Is mercury poisonous in dental amalgam restorations? Wilmer Souder and W. T. Sweeney. Dent. Cos. <u>73</u> , 1145 (1931).	OJ	OP
34	Inlay casting golds: Physical properties and specifications. N. O. Taylor, G. C. Paffenbarger, and W. T. Sweeney. J. Am. Dent. Assn. <u>19</u> , 36 (1932).	OJ	OP
35	Mercury for dental amalgams. Aaron Isaacs. J. Am. Dent. Assn. <u>19</u> , 54 (1932)	OJ	OP
36	Cast gold inlay technic as worked out in the cooperative research at the National Bureau of Standards and applied by a group of practicing dentists. R. H. Volland and G. C. Paffenbarger. J. Am. Dent. Assn. <u>19</u> , 185 (1932).	OJ	OP
37	Progress report on research on dental materials (1931). N. O. Taylor and G. C. Paffenbarger. J. Am. Dent. Assn. <u>19</u> , 404 (1932).	OJ	OP
38	Study of wrought gold wire alloys: Preliminary report. N. O. Taylor, G. C. Paffenbarger and W. T. Sweeney. J. Am. Dent. Assn. <u>19</u> , 410 (1932).	OJ	OP
39	Dental research at the National Bureau of Standards. G. C. Paffenbarger. Xi Psi Phi Quart. <u>30</u> , 386 (1932).	OJ	OP
40	Wrought gold wire alloys: Physical properties and a specification. G. C. Paffenbarger, W. T. Sweeney, and Aaron Isaacs. J. Am. Dent. Assn. <u>19</u> , 2061 (1932).	OJ	OP
41	Cristobalite for dental investment. W. T. Sweeney. J. Am. Dent. Assn. <u>20</u> , 108 (1933).	OJ	15¢
42	Third Survey of amalgam alloys (1932-33). G. C. Paffenbarger and W. T. Sweeney. J. Am. Dent. Assoc. <u>20</u> , 649 (1933).	OJ	10¢
43	Science aids in improving dental restorations. Wilmer Souder. J. Dent. Research <u>13</u> , 154 (1933).	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
44	Progress report on research on dental materials (1932). G. C. Paffenbarger and W. T. Sweeney. J. Am. Dent. Assn. <u>20</u> , 885 (1933).	OJ	OP
45	Time required to cast dental restorations from molten alloy. Wilmer Souder. J. Am. Dent. Assn. <u>20</u> , 1010 (1933).	OJ	OP
46	Dental Research Fellowship at the National Bureau of Standards. Research Commission. J. Am. Dent. Assn. <u>20</u> , 1040 (1933).	OJ	OP
47	Preliminary report on the zinc phosphate cements. G. C. Paffenbarger, W. T. Sweeney, and Aaron Isaacs. J. Am. Dent. Assn. <u>20</u> , 1960 (1933).	OJ	OP
48	Fifteen years of dental research at the National Bureau of Standards. Wilmer Souder. J. Am. Dent. Assn. <u>21</u> , 58 (1934).	OJ	10¢
49	Second survey of dental impression compounds and of inlay casting waxes. G. C. Paffenbarger and W. T. Sweeney. J. Am. Dent. Assn. <u>21</u> , 657 (1934).	OJ	5¢
50	Specifications and certifications for dental materials. G. C. Paffenbarger and W. T. Sweeney (1934 revision of amalgam alloy specification). J. Am. Dent. Assn. <u>21</u> , 658 (1934).	OJ	10¢
51	Zinc phosphate cements: Physical properties and a specification. G. C. Paffenbarger, W. T. Sweeney, and Aaron Isaacs. J. Am. Dent. Assn. <u>21</u> , 1907 (1934).	OJ	10¢
52	Preliminary tests of some of the newer denture materials. Ronald Barber. J. Am. Dent. Assn. <u>21</u> , 1969 (1934).	OJ	10¢
53	Revised list of dental materials certified to the Research Commission of the American Dental Association. C. T. Messner, J. Am. Dent. Assn. <u>21</u> , 2026 (1934).	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
54	Dental research at the National Bureau of Standards in relation to orthodontia. G. C. Paffenbarger and W. T. Sweeney. Internat. J. Orthodontia <u>20</u> , 1166 (1934).	OJ	10¢
55	Investigation of "Chief" White Gold "Castloy"; Research Commission. J. Am. Dent. Assn. <u>22</u> , 348 (1935)	OJ	OP
56	American Dental Association's affiliation with the National Bureau of Standards. R. H. Volland. J. Am. Dent. Assn. <u>22</u> , 618 (1935).	OJ	OP
57	Dental research at the National Bureau of Standards: Research Commission. J. Am. Dent. Assn. <u>22</u> , 625 (1935).	OJ	OP
58	Certified amalgam alloys: A.D.A. Specification No. 1. Research Commission. J. Am. Dent. Assn. <u>22</u> , 1028 (1935).	OJ	OP
59	Study of zinc phosphate cement by a group of practicing dentists under the direction of the A.D.A. Research Fellowship at the National Bureau of Standards. R. H. Volland, G. C. Paffenbarger, and W. T. Sweeney. J. Am. Dent. Assn. <u>22</u> , 1281 (1935).	OJ	15¢
60	Certified inlay casting investments. A.D.A. Specification No. 2. Research Commission. J. Am. Dent. Assn. <u>22</u> , 1384 (1935).	OJ	OP
61	Certified impression compounds. A.D.A. Specification No. 3. Research Commission. J. Am. Dent. Assn. <u>22</u> , 1742 (1935).	OJ	OP
62	Standards for dental materials (Advantages). Wilmer Souder. J. Am. Dent. Assn. <u>22</u> , 1873 (1935).	OJ	10¢
63	Standards for orthodontic materials. Wilmer Souder. Internat. J. Orthodontia. <u>21</u> , 1003 (1935).	OJ	10¢
64	Certified zinc phosphate cements. Research Commission. J. Am. Dent. Assn. <u>23</u> , 299 (1936).	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
65	Progress report on denture base materials. W. T. Sweeney and I. C. Schoonover. J. Am. Dent. Assn. <u>23</u> , 1498 (1936)	OJ	10¢
66	Physical properties of the zinc phosphate cements. G. C. Paffenbarger and Wilmer Souder. Proc. IX Internat. Dent. Cong. <u>1</u> ; 347 (1936).	OJ	OP
67	Research on dental materials brings improved dental service. Wilmer Souder. Proc. IX Internat. Dent. Cong. <u>1</u> , 1231 (1936).	OJ	OP
68	Report of Research Commission of the American Dental Association (List of certified products). J. Am. Dent. Assn. <u>24</u> , 269 (1937).	OJ	10¢
69	List of certified products (1936-37). Research Commission. J. Am. Dent. Assn. <u>24</u> , 1355 (1937)	OJ	OP
70	Certified wrought gold wire alloys. Research Commission. J. Am. Dent. Assn. <u>24</u> , 1702 (1937).	OJ	OP
71	Dentists rely on standards. (Certification plan.) Wilmer Souder. Indust. Standard and Commer. Standards Month. <u>8</u> , 275 (1937).	OJ	OP
72	A specification for toothpaste. Wilmer Souder and I. C. Schoonover. J. Am. Dent. Assn. <u>24</u> , 1817 (1937).	OJ	OP
73	American Dental Association Specification No. 8 for dental zinc phosphate cements - First Revision (Effective July 1, 1938). G. C. Paffenbarger and J. R. Beall, J. Am. Dent. Assn. <u>24</u> , 2019 (1937).	OJ	OP
74	Dental silicate cements: Physical and chemical properties and a specification. G. C. Paffenbarger, I. C. Schoonover, and Wilmer Souder. J. Am. Dent. Assn. <u>25</u> , 32 (1938).	OJ	50¢
75	List of certified products (1937). Research Commission. J. Am. Dent. Assn. <u>25</u> , 475 (1938)	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
76	Survey of certified amalgam alloys. Research Commission. J. Am. Dent. Assn. <u>25</u> , 981 (1938).	OJ	OP
77	An investigation of four gypsum materials used to prepare indirect inlay models. G. C. Paffenbarger and J. R. Beall. J. Am. Dent. Assn. <u>25</u> , 1146 (1938).	OJ	5¢
78	Some properties of two types of resins used for dentures (phenol and vinyl). I. C. Schoonover and W. T. Sweeney. J. Am. Dent. Assn. <u>25</u> , 1487 (1938).	OJ	10¢
79	List of certified dental materials (as of October 1, 1938). Research Commission. J. Am. Dent. Assn. <u>25</u> , 1857 (1938).	OJ	OP
80	New procedure for the analysis of dental gold alloys. Raleigh Gilchrist. J. Research NBS <u>20</u> , 745 (1938)	RP1103	10¢
81	Annual report: American Dental Association Research Fellowship at the National Bureau of Standards. J. Am. Dent. Assn. <u>26</u> , 128 (1939).	OJ	OP
82	List of certified impression compounds: Research Commission. J. Am. Dent. Assn. <u>26</u> , 285 (1939).	OJ	OP
83	An investigation of a supposedly non-tarnish- ing amalgam. G. C. Paffenbarger. J. Am. Dent. Assn. <u>26</u> , 990 (1939).	OJ	5¢
84	Probable chemical reactions in silicate cements (abstract). Wilmer Souder and I. C. Schoonover. New York J. Dent. <u>9</u> , 239 (1939).	OJ	OP
85	List of certified dental materials: Research Commission. J. Am. Dent. Assn. <u>26</u> , 1197 (1939).	OJ	OP
86	Annual report: American Dental Association Research Fellowship at the National Bureau of Standards. J. Am. Dent. Assn. <u>26</u> , 1728 (1939)	OJ	10¢

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
87	Denture base material: acrylic resins. W. T. Sweeney, J. Am. Dent. Assn. <u>26</u> , 1863 (1939).	OJ	10¢
88	Hydrocolloidal impression materials: physical properties and a specifi- cation. G. C. Paffenbarger. J. Am. Dent. Assn. <u>27</u> , 373 (1940).	OJ	15¢
89	List of certified inlay casting waxes. Research Commission. J. Am. Dent. Assn. <u>27</u> , 451 (1940).	OJ	OP
90	American Dental Association Specification No. 3 for dental impression compounds. First Revision - 1939. W. T. Sweeney and John R. Beall. J. Am. Dent. Assn. <u>27</u> , 713 (1940).	OJ	5¢
91	List of certified dental materials. Research Commission. J. Am. Dent. Assn. <u>27</u> , 791 (1940).	OJ	Free
92	Acrylic resins. Research Commission. J. Am. Dent. Assn. <u>27</u> , 960 (1940).	OJ	5¢
93	Revision of American Dental Association Specification No. 4 for inlay casting wax. John R. Beall. J. Am. Dent. Assn. <u>27</u> , 1140 (1940).	OJ	5¢
94	Denture rubber: composition, properties and a specification. W. T. Sweeney and H. J. Caul. J. Am. Dent. Assn. <u>27</u> , 1446 (1940).	OJ	10¢
95	List of certified inlay casting investments. Research Commission. J. Am. Dent. Assn. <u>27</u> , 1518 (1940).	OJ	Free
96	Dental cements. G. C. Paffenbarger and H. J. Caul. Proceedings Dental Centenary Celebrations. (The Waverly Press, Baltimore). Pages 232-237.	OJ	10¢
97	Silicate cement: an investigation by a group of practicing dentists under the direc- tion of the A.D.A. Research Fellowship at the National Bureau of Standards. G.C. Paffenbarger. J. Am. Dent. Assn. <u>27</u> , 1611 (1940).	OJ	15¢

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
98	Dental Research at the National Bureau of Standards. G. C. Paffenbarger. Science <u>92</u> , 527 (1940)	OJ	OP
99	Tentative American Dental Association Specification No. 12 for denture base material, acrylic resin or mixtures of acrylic and other resins. W. T. Sweeney and G. C. Paffenbarger. J. Am. Dent. Assn. <u>28</u> , 325 (1941)	OJ	5¢
100	List of certified dental materials: Research Commission. J. Am. Dent. Assn. <u>28</u> , 477 (1941).	OJ	OP
101	Annual Report: American Dental Association Research Fellowship at the National Bureau of Standards. J. Am. Dent. Assn. <u>28</u> , 658 (1941).	OJ	5¢
102	Analysis of dental amalgams containing mercury, silver, gold, tin, copper, and zinc. Caul, H. J., and Schoonover, I. C., J. Research NBS <u>26</u> , 481 (1941).	RP1391	5¢
103	Palming amalgams. Research Commission. J. Am. Dent. Assn. <u>28</u> , 830 (1941)	OJ	OP
104	List of certified acrylic denture resins. Research Commission. J. Am. Dent. Assn. <u>28</u> , 1166 (1941)	OJ	OP
105	Corrosion of dental alloys. I. C. Schoonover and Wilmer Souder. J. Am. Dent. Assn. <u>28</u> , 1278 (1941).	OJ	10¢
106	List of certified gold wire alloys. List of certified denture resins. Research Commission. J. Am. Dent. Assn. <u>28</u> , 1704 (1941).	OJ	OP
107a	List of certified dental impression compounds. Research Commission. J. Am. Dent. Assn. <u>28</u> , 1886 (1941)	OJ	OP
107b	Report of the Research Commission (1940-41). J. Am. Dent. Assn. <u>28</u> , 1886 (1941)	OJ	5¢
108	List of certified denture resins. Research Commission, J. Am. Dent. Assn. <u>28</u> , 2046 (1941)	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
109	Acrylic resins for dentures. W. T. Sweeney, G. C. Paffenbarger, and J. R. Beall. J. Am. Dent. Assn. <u>29</u> , 7 (1942)	OJ	15¢
110	Revised American Dental Association Specifi- fication No. 12 for denture base material, acrylic resin or mixture of acrylic and other resins (effective January 1, 1942). J. Am. Dent. Assn. <u>29</u> , 127 (1942)	OJ	5¢
111	Excessive expansion of amalgam. Research Commission. J. Am. Dent. Assn. <u>29</u> , 292 (1942).	OJ	OP
112	List of certified dental materials (as of Dec. 1, 1941). Research Commission. J. Am. Dent. Assn. <u>29</u> , 293 (1942)	OJ	Free
113	Physical properties of dental materials. Wilmer Souder and George C. Paffenbarger. A 200-page summary of the more important data and specifications contained in the items listed above together with explanations of their significance in dentistry. Circular of the National Bureau of Standards.	C433	\$1.00
114	Conservation of tin. Research Commission. J. Am. Dent. Assn. <u>29</u> , 685 (1942)	OJ	OP
115	Substitute for tinfoil. Research Commission. J. Am. Dent. Assn. <u>29</u> , 1349 (1942)	OJ	OP
116	Professional men. Wilmer Souder. J. Am. College Dent. <u>9</u> , No. 2 (1942)	OJ	OP
117	Additional information on the substitute for tinfoil. Research Commission. J. Am. Dent. Assn. <u>29</u> , 1762 (1942).	OJ	OP
118	Excessive expansion of dental amalgam. Irl C. Schoonover, Wilmer Souder and John R. Beall. J. Am. Dent. Assn. <u>29</u> , 1825 (1942)	OJ	10¢
119	Annual report. American Dental Association Research Fellowship at the National Bureau of Standards. J. Am. Dent. Assn. <u>29</u> , 1891 (1942)	OJ	OP

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
120	Lists of certified dental materials (as of September 1, 1942). Research Commission. J. Am. Dent. Assn. <u>29</u> , 1897 (1942)	OJ	OP
121	Wear of acrylic resin teeth (progress report). John R. Beall. J. Am. Dent. Assn. <u>30</u> , 252 (1943)	OJ	5¢
122	Midyear report of the Research Commission of the American Dental Association February 1943. J. Am. Dent. Assn. <u>30</u> , 459 (1943)	OJ	OP
123	Preparation and characteristics of elastic dental impression compounds with an alginate base. I. C. Schoonover and George Dickson. J. Am. Dent. Assn. <u>30</u> , 565 (1943)	OJ	5¢
124	National Bureau of Standards and the Research Commission. Research Commission. J. Am. Dent. Assn. <u>30</u> , 774 (1943)	OJ	5¢
125	Base metal alloys for oral restorations. George C. Paffenbarger, H. J. Caul and George Dickson. J. Am. Dent. Assn. <u>30</u> , 852 (1943)	OJ	10¢
126	Abrasion and solution of teeth, a sensitive visual method for detecting these injuries. Wilmer Souder and Irl C. Schoonover. J. Am. Dent. Assn. <u>30</u> , 1725 (1943), J. Research NBS <u>31</u> , 247 (1943)	RP1563 OJ	10¢ 10¢
127	Process for protecting plastics during curing or molding. Irl C. Schoonover and George Dickson. U. S. Patent No. 2,333,679	P	25¢
128	Report of the A.D.A. Research Fellowship at the National Bureau of Standards. J. Am. Dent. Assn. <u>31</u> , 123 (1944)	OJ	OP
129	List of certified dental materials (as of December 7, 1943). Research Commission. J. Am. Dent. Assn. <u>31</u> , 126 (1944)	OJ	Free

<u>Item</u>	<u>Title</u>	<u>Series</u>	<u>Price</u>
130	Midyear report of the Research Commission February 1944. J. Am. Dent. Assn. <u>31</u> , 698 (1944)	OJ	OP
131	Elastic impression compositions. George Dickson and Irl C. Schoonover. U. S. Patent No. 2,359,512	P	25¢
132	Experimental remineralization of dentin. Wilmer Souder and Irl C. Schoonover. J. Am. Dent. Assn. <u>31</u> , 1579 (1944)	OJ	10¢
133	List of certified dental materials (as of December 1, 1944). Research Commis- sion. J. Am. Dent. Assn. <u>32</u> , 93 (1945)	OJ	OP
134	List of certified dental materials revised to March 19, 1945, Research Commission. J. Am. Dent. Assn. <u>32</u> , 759 (1945)	OJ	OP
135	Dental materials in wartime. Research Commission. J. Am. Dent. Assn. <u>33</u> , 41 (1946)	OJ	OP
136	"Liners" for dentures. John R. Beall and H. J. Caul. J. Am. Dent. Assn. <u>33</u> , 304 (1946)	OJ	10¢
137	List of certified dental materials revised to August 30, 1946. Research Commission. J. Am. Dent. Assn. <u>33</u> , 1458 (1946)	OJ	Free

INDEX

<u>Subject</u>	<u>Item Numbers</u>
Amalgam	1, 5, 6, 10, 15, 16, 19, 24, 33, 42, 50, 83, 102, 103, 105, 111, 113, 118
Amalgamation, Mechanical	15, 113
Base Metal Alloys	113, 125
Casting	25, 29, 31, 36, 45, 113
Cement, Silicate	74, 84, 96, 97, 113
Cement, Zinc Phosphate	47, 51, 59, 66, 73, 96, 113
Certified List	42, 44, 50, 53, 58, 60, 61, 64, 68, 69, 70, 75, 76, 79, 82, 85, 89, 91, 95, 100, 104, 106, 107, 108, 112, 120, 129, 133, 134
Compound, Impression	28, 49, 90, 113
Denture Base Material	52, 65, 78, 87, 92, 99, 109, 110, 113
Gold Alloys, Analysis of	8, 80
Gold Alloys, Casting	7, 11, 13, 14, 25, 34, 55, 113
Gold Alloys, Wrought	4, 13, 14, 32, 38, 40, 54, 113
Gold Foil	11, 113
Historical and descriptive Reports	2, 3, 12, 17, 18, 20, 22, 23, 29, 30, 37, 39, 43, 44, 46, 48, 56, 57, 62, 63, 67, 71, 98
Impression material, alginate	123, 131
Impression material, Hydrocolloidal	88, 113
Investment	7, 14, 21, 25, 26, 41, 113
Liners for dentures	136
Mercury	33, 35, 113
Model material, gypsum	77

<u>Subject</u>	<u>Item Numbers</u>
Reports, Research Commission	46, 57, 68, 69, 70, 81, 86, 101, 114, 119, 122, 124, 128, 130, 135
Resin	52, 65, 78, 87, 92, 99, 109, 110, 113, 121, 136
Rubber, denture	52, 65, 94, 113
Specifications	See list, page 3
Teeth, abrasion and solution of	126
Teeth, remineralization of	132
Teeth, resin	121
Tinfoil substitute	115, 117, 127
Tooth paste	72, 113
Wax, Inlay	7, 14, 25, 27, 49, 93, 113

INDEXED
Aug 02, 2017