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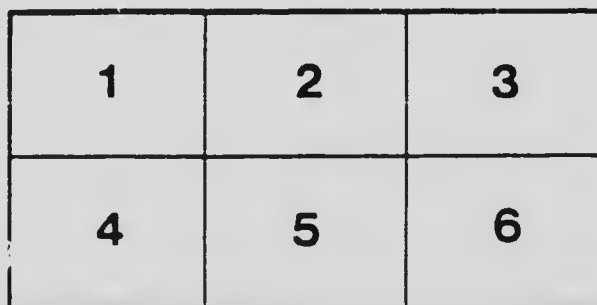
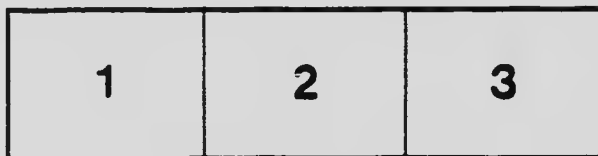
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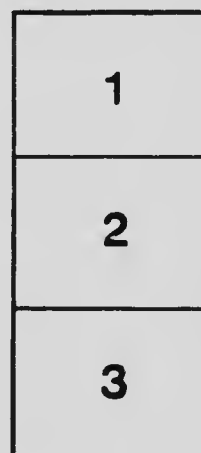
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O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 200

HIGHLY COLOURED CONFECTIONERY.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 200.

HIGHLY COLOURED CONFECTIONERY.

OTTAWA, March 9, 1910.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report upon 149 samples of candy, purchased throughout Canada, in December last. This inspection, like that reported in Bulletin No. 112 (Nov. 1905), has had special reference to the freedom of the colouring matter used in dyeing candies, from metallic impurity, and in particular from arsenic. It is gratifying to find that only a single sample gave any reaction for arsenic, and this a quite negligible trace, entirely harmless.

Inspectors were instructed to procure highly coloured confectionery, since the character of the colouring material was a main object of research. In most cases the instructions were well carried out, and these results may be interpreted to mean that harmless dyes only are employed by Canadian candy manufacturers.

Several samples were dirty and fly-specked, evidently having been exposed, in the shop. It may not be out of place to emphasize the importance of keeping candy in glass, or other close receptacles. It is not enough that a piece of muslin or gauze should be spread over the candy. This is no protection against dust, and in most cases, none against flies.

Incidentally, the nature of the sugar is reported, and it will be seen that the cheaper grades of candy, represented by this collection, contain from 50 to 70 per cent of cane sugar for the softer varieties, and from 70 to 85 per cent for the harder kinds. The other ingredients are of harmless character.

I beg to recommend the publication of this report as Bulletin No. 200.

I have the honour to be, sir,

Your obedient servant,

A. MCGILLI,
Chief Analyst.

BULLETIN No. 200—HIGHLY COLOURED CONFECTIONERY.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report (Is not an expression of opinion). | RESULTS OF ANALYSIS. | | | | | Description. | No. of Sample. |
|---------------------|--------------------------------|----------------|--|-----------|--------|---|---|----------------------|----------------|---|--|--------------------------------|------------------------------------|----------------|
| | | | | Quantity. | Cents. | | | Moisture. | Direct Invert. | Polarization of half normal Sol. in 2 dm. tube. | Sugar—Calculated to percentage on dry Substance. | Chane Sugar by Clerget Formula | | |
| 1909. | | | | | | | | | | | | | | |
| Dec. | Highly Coloured Confectionery. | 41741 | Moirs, Ltd., Halifax, N.S. | 2 lbs. | 20 | Vendors | Assorted jellies. | 7.30 | +66.1 | -30.6 | 53.0 | None. | Gum drops, gelatinized starch. | 41741 |
| " | " | 41742 | " | " | 20 | " | Humbags. | 2.86 | +59.0 | +5.4 | 81.9 | " | Peppermint flavour, mixed colour. | 41742 |
| " | " | 41743 | " | " | 40 | " | Clear loys. | 3.16 | +42.8 | -16.1 | 87.9 | " | Clear red. | 41743 |
| " | " | 41744 | G. J. Hamilton, Halifax, N.S. | 2 " | 15 | Vendor | Juvenile mixture. | 3.42 | +41.7 | -14.1 | 83.3 | " | Mixture | 41744 |
| " | " | 41745 | E. P. Charleton's, 10 & 15 cent Store, Halifax, N.S. | 2 " | 40 | Wm. Patterson Son & Co., Brantford, Ont. | Pickling pears. | 2.52 | +64.6 | +19.8 | 66.7 | " | Contain gelatin & starch. | 41745 |
| " | " | 41746 | " | 2 " | 20 | Moirs, Ltd., Halifax, N.S. | Orange slices. | 2.48 | -52.6 | +3.8 | 72.8 | " | Orange slices, acid drops. | 41746 |
| " | " | 41747 | Gasperi Poteri, Halifax, N.S. | 2 " | 20 | Vendor | Teaberry drops. | 3.10 | +44.0 | -15.2 | 88.4 | " | Wintergreen flavour, pink stripes. | 41747 |
| " | " | 41748 | Boggs Bros., Kentville, N.S. | 2 " | 20 | E. S. Perrin & Co., London, Ont. | Mixture. | 3.86 | +63.2 | +14.9 | 72.1 | " | Stick candy, mixed. | 41748 |
| " | " | 41749 | Porter Bros., Wolfville, N.S. | 2 " | 20 | Leung Mfg. Co., Montreal, P.Q. | " | 4.10 | +65.9 | +23.0 | 64.0 | " | Mixture | 41749 |
| " | " | 41750 | S. Thomsen, Dartmouth, N.S. | 2 " | 25 | Moirs, Ltd., Halifax, N.S. | Dairy mixture. | 3.08 | +45.1 | -11.3 | 84.2 | " | " | 41750 |

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.

| | | | | | | | | | | | | | |
|----|---|---|-------|----------------------------|----------|----|---------------------------------|--------------------|-------------|------|------|---|-------|
| 15 | " | " | 41750 | S. Thozson, mouth, N.S. | Part-2 " | 25 | Moira, Ltd., Hali- fax, N.S. | Dairy mixture..... | 3 08 + 45.1 | 11.5 | 84.2 | " | 41.50 |
|----|---|---|-------|----------------------------|----------|----|---------------------------------|--------------------|-------------|------|------|---|-------|

DISTRICT OF PRINCE EDWARD ISLAND—THEO. MOORE, INSPECTOR.

| | | | | | | | | | | |
|------|----|--------------------------------|---|-----|----|---|------------------------|--------------------|---------|-------|
| Dec. | 6 | Highly Coloured Confectionery. | | | 20 | Moira, Ltd., Hali-fax, N.S. | Mixture..... | 1 80 + 59.4 + 11.5 | 71.5 N. | 39616 |
| " | 7 | " | J. McDonald, Souris, Pictou, N.S. | 2 " | 20 | G. J. Hamilton, Pictou, N.S. | " | 3 36 + 57.7 + 8.2 | 73.9 | 39617 |
| " | 7 | " | Macbaw & McLean, St. John, N.B. | 2 " | 20 | Lang Mfg. Co., Montreal. | " | 2 46 + 59.7 + 17.1 | 63.6 | 39618 |
| " | 7 | " | T. G. Palmer, Charlottetown. | 2 " | 20 | White Candie Co., St. John, N.B. | " | 3 22 + 55.0 + 0.3 | 82.5 | 39619 |
| " | 7 | " | J. A. Hynes, Kingston. | 2 " | 24 | Lang Mfg. Co., Montreal. | " | 3 88 + 64.4 + 22.3 | 62.2 | 39620 |
| " | 7 | " | D. McKenzie, St. John, N.B. | 2 " | 20 | G. J. Hamilton, Pictou, N.S. | " | 2 72 + 55.1 + 0 | 82.5 | 39621 |
| " | 7 | " | T. W. Strong, Summerside. | 2 " | 20 | Unknown..... | " | 4 16 + 64.9 + 22.4 | 63.4 | 39622 |
| " | 10 | " | Vaugh & Steves, Summerside. | 2 " | 20 | The White Candie Co., St. John, N.B. | " | 2 82 + 53.8 + 3.2 | 85.1 | 39623 |
| " | 14 | " | Coffin & Co., Charlottetown. | 2 " | 20 | E. S. Ferrin & Co., London, Ont. | " | 3 48 + 63.7 + 14.9 | 72.8 | 39624 |
| " | 14 | " | Mrs. W. F. Carter, Charlottetown. | 2 " | 24 | Mrs. W. F. Carter, Charlottetown. | Mostly caramel colour. | 2 82 + 53.0 + 3.6 | 84.5 | 39625 |

DISTRICT OF NEW BRUNSWICK—JNO. FERGUSON, INSPECTOR.

| | | | | | | | | | | | | |
|-------|------|--------------------------------|---|-----|----|--------------------------------|--|--------------------|------|-------|-----------------------------|-------|
| Dec. | 7 | Highly Coloured Confectionery. | | | 20 | Vendor..... | Hard boiled mixture. Royal mixture. | 3 22 + 57.1 + 3.8 | 79.5 | None. | Mixture..... | 39628 |
| " | 7 | " | A. J. Russell, John, N.B. | 2 " | 20 | Vendors..... | " | 2 92 + 51.5 + 2.5 | 80.6 | " | " | 39629 |
| " | 7 | " | White Candy Co., St. John, N.B. | 2 " | 20 | " | High boiled mixed confectionery. | 3 22 + 57.0 + 4.7 | 78.0 | " | " | 39630 |
| " | 8 | " | Barkers Ltd., John, N.B. | 2 " | 20 | " | " | 2 08 + 41.9 + 17.0 | 85.9 | " | " | 39631 |
| " | 14 | " | The Phillips & White Co., St. John, N.B. | 2 " | 20 | " | " | 3 04 + 59.6 + 6.2 | 79.7 | " | Stick candy, mixed colours. | 39632 |
| " | 15 | " | Geo. F. Wilkes, Fredrickton, N.B. | 2 " | 25 | Ganong Bros., Stephen, N.B. | Mixed candy. | 2 92 + 59.3 + 6.4 | 79.0 | " | Mixture | 39633 |
| " | 20 | " | Ganong Bros., Stephen, N.B. | 2 " | 20 | Ganong Bros., Stephen, N.B. | Merchants hard boiled mixture. | 1 54 + 59.3 + 8.2 | 76.3 | " | " | 39634 |
| 1910. | Jan. | 5 | Weaver & Co., Perth, N.B. | 2 " | 20 | Lang Mfg. Co., Montreal. | Cheap mixed candy would not guaran-tee purity. | 4 02 + 63.6 + 21.7 | 62.7 | " | contains starch. | 39635 |
| " | 6 | " | Barkets, Ltd., Moncton, N.B. | 2 " | 20 | Ganong Bros., Stephen, N.B. | Merchants mixture | 2 48 + 60.9 + 8.2 | 78.7 | " | Mixture | 39636 |

BULLETIN No. 200—HIGHLY COLOURED CONFECTIONERY.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Quantity. | CST. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. (Is not an expression of opinion.) | RESULTS OF ANALYSIS. | | | | | No. of Sample. |
|---------------------|-------------------|----------------|-----------------------------|-----------|--|-----------|---|--|----------------------|---------|---------|-------------------------------|----------|----------------|
| | | | | | Cent. | Quantity. | | | Mixture. | Direct. | Invert. | Case Sugar by Clerget Formula | Average. | |
| | | | | | Sugar—Calculated to percentage on dry substance. | | Polarization of half normal Sol. in 2 diam. tube. | | | | | | | |

DISTRICT OF NEW BRUNSWICK—JNO. FERGUSON, INSPECTOR—Continued.

| | | | | | | | | | | | | | | | |
|-------|--------------------------------|-------|----------------------------------|---|----|--|---------------------------------------|---------------|--|-------------|-------------|-----|-----|---------------|-------|
| 1910. | Highly Coloured Confectionery. | 39637 | Moore's Bros. Campbellton, N.B. | 2 | | | White Candy Co., Ltd., St. John, N.B. | Royal mixture | | p.c. | p.c. | 83 | 83 | Noon. Mixture | 39637 |
| " | " | 39638 | Geo. Vermette, Campbellton, N.B. | 2 | 20 | | " | " | | 3.26 + 54.2 | 3.02 + 54.9 | 1.6 | 2.3 | " | 39638 |

DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.

| | | | | | | | | | | | | | | | |
|-------|--------------------------------|-------|--|------|--|--|---------------------------------------|--|--|-------------|-------|------|------|------------------------------|-------|
| 1909. | Highly Coloured Confectionery. | 36501 | J. L. F. Chabot, St. Germaine, Quebec. | 2 lb | | | Jos. Cote, Quebec. | | | 3.78 + 60.8 | 13.7 | 70.3 | 70.3 | Noon. Mixture. | 36501 |
| " | " | 36502 | Jos. Chabot, St. Jean, Que. | 2 | | | Scott, Junction Station. | | | 3.42 + 53.6 | 1.7 | 77.5 | 77.5 | " | 36502 |
| " | " | 36503 | Phileas Cloutier, Odillon. | 2 | | | Unknown. | | | 5 | -11.0 | 72.4 | 72.4 | " | 36503 |
| " | " | 36504 | F. Blandin, Henegine. | 2 | | | A. B. Dupuis, Quebec. | | | 3 | 6.9 | 79.1 | 79.1 | " | 36504 |
| " | " | 36505 | J. B. Cadrin, St. Edme. | 2 | | | Comp. Langevin, St. Hilarie. | | | 3.96 | 11.5 | 72.1 | 72.1 | " | 36505 |
| " | " | 36506 | Eugene Royer, Chaire. | 2 | | | Royal Biscuit Co., St. Anne Paroisse. | | | 3.02 + 55.4 | 3.2 | 77.9 | 77.9 | Mixed cream, red and yellow. | 36506 |
| " | " | 36507 | Joseph Roy, St. Mal. | 2 | | | Charles Audet, St. Amelme. | | | 3.90 + 50.3 | 4.8 | 82.0 | 82.0 | Mixture. | 36507 |
| " | " | 36508 | Joseph Roy, St. Mal. | 2 | | | A. B. Dupuis, St. Mal. | | | 2.84 + 51.7 | 4.7 | 83.6 | 83.6 | " | 36508 |

| | | | | | | | | |
|-----|---|-------|--|----|---------------------------------|--------------------|------|-------|
| " 4 | " | 36819 | Victor Blanchet, 2 Standon Dorchester | 20 | The Montreal Bisquit, Montreal. | 3.32 + 55.9 + 2.7 | 79.4 | 36819 |
| " 4 | " | 36700 | Venerant Allaire, St. Leon de Standon. | 16 | Charles Andet, St. Anselme. | 3.94 + 59.1 + 10.6 | 7.4 | 36710 |

DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.

| | | | | | | | | | | | |
|--------|--------------------------------|-------|---|----|------------------------------------|--------------------|-------------------|-------|---------------------------|-------------------------------|-------|
| Dec. 6 | Highly Coloured Confectionery. | 36889 | R. Roberge, Sorel. 2 lbs. | 20 | L. Martineau & Cie Ltd., Montreal. | 3.22 + 54.2 - 0.3 | 81.3 | None. | Acid drops, berry. | 36889 | |
| " 6 | " | 36890 | L. Z. Drouin, La Baie. 2 " | 24 | " | Wintergreen lemon. | 1.04 + 52.1 - 7.4 | 88.8 | " | Pink tablets, contain starch. | 36890 |
| " 7 | " | 36891 | Andrew Giamontoz, Sorel. 2 " | 40 | The McCormick Mfg. Co. Montreal. | 8.08 - 64.3 + 22.8 | 61.9 | " | " | Gum drops. | 36891 |
| " 9 | " | 36892 | L. Z. Dupont, Farnham. 2 " | 50 | Actna Bisquit Co., Montreal. | 2.30 + 52.3 - 4.5 | 84.8 | " | Wintergreen berries, red. | 36892 | |
| " 10 | " | 36893 | Boullais freres, Jean. 2 " | 24 | Vendors. | 3.26 + 68.0 + 30.6 | 35.8 | " | Red sticks. | 36893 | |
| " 10 | " | 36894 | Papaoua, Restau. 2 " | 20 | Vendor. | 5.90 + 53.7 + 0.3 | 79.7 | " | Cream, yellow. | 36894 | |
| " 20 | " | 36895 | J. Houston, Danville. 2 " | 80 | Christie, Brown & Co., Montreal. | 1.16 + 54.7 - 2.7 | 85.7 | " | Wintergreen berries, red. | 36895 | |
| " 21 | " | 36896 | M. E. Woodard, Sherbrooke. 2 " | 40 | Vendor. | 1.32 + 37.7 - 15.7 | 79.7 | " | Acid drops, berry. | 36896 | |
| " 21 | " | 36897 | A. F. Shasha, Sherbrooke. 2 " | 40 | Rowell & Son, Montreal. | 1.84 - 54.9 + 20.2 | 51.8 | " | Acid drops, berry. | 36897 | |
| " 25 | " | 36898 | J. B. Daignault & Co., St. Hyacinthe. 2 " | 20 | Montreal Bisquit Co., Montreal. | 0.92 + 61.8 + 18.6 | 64.5 | " | Acid drops, berry. | 36898 | |

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

| | | | | | | | | | | | |
|---------|--------------------------------|-------|---|----|--------------------------------|---------------------|--------------------|-------|-------------------------|---------------------------|-------|
| Nov. 29 | Highly Coloured Confectionery. | 40392 | Ideal Confectionery Co., Ltd., Montreal. 2 lbs. | 18 | Vendors. | 1.06 + 37.5 - 15.3 | 78.8 | None. | Acid drops, yellow. | 40392 | |
| " 29 | " | 40393 | " " 2 " | 18 | " | Strawberry drops. | 0.72 + 64.5 - 25.5 | 56.2 | " | Acid drops, berry, red. | 40393 |
| " 29 | " | 40394 | L. Martineau Ltd., Montreal. 2 " | " | " | Clear mixture. | 1.54 + 57.5 + 9.4 | 71.8 | " | Acid drops, mixed colors. | 40394 |
| Dec. 10 | " | 40395 | Leduc et frere, Valleyfield. 2 " | 40 | Star Bisquit Co., Valleyfield. | 3.10 + 39.7 - 15.5 | 82.4 | " | Acid drops, berry, red. | 40395 | |
| " 16 | " | 40396 | B. Beaubien, St. Rome. 2 " | 20 | Viau et frere, Montreal. | 1.80 + 61.5 + 22.7 | 57.9 | " | Acid drops, berry, red. | 40396 | |
| " 16 | " | 40397 | P. Simard, St. Notre. 2 " | 20 | " | Strawberry marbles. | 1.76 + 63.1 + 21.4 | 62.2 | " | Rolls, pink stripes. | 40397 |
| " 22 | " | 40398 | Spadakov Bros., Notre Dame, W., Montreal. 543 2 " | 20 | " | Creams. | 4.24 + 52.8 - 7.1 | 89.3 | " | Cream, pink. | 40398 |

BULLETIN No. 200—HIGHLY COLOURED CONFECTIONERY.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. (Is not an expression of opinion). | RESULTS OF ANALYSIS. | | | | | Description. | No. of Sample. |
|---------------------|-------------------|----------------|-----------------------------|-----------|--------|---|--|----------------------|---------|---------|---|--|--------------|----------------|
| | | | | Quantity. | Cents. | | | Moisture. | Direct. | Invert. | Polarization of half normal Sol. in 2 dm. tube. | Sugar—Calculated to percentage on dry Substance. | | |

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR—Concluded.

| | | | | | | | | | | | | | | | | |
|---------|--------------------------------|-------|--|-----|----|--------------|--------------------|--|--|-------|-------|-------|------|-------|--|------------------------------------|
| 1909. | | | | | | | | | | | | | | | | |
| Nov. 22 | Highly Coloured Confectionery. | 40399 | Beauvais & Lalonde, 2 482 St. James St., Montreal. | 2 " | 30 | Perrins..... | Orange slice | | | | | | | | | 40399 |
| " 23 | " | 40400 | J. A. Desaulniers, 2 1235 St. James St., Montreal. | 2 " | 20 | " | Strawberry drops.. | | | | | | | | | 40400 |
| " 23 | " | 40401 | " | 2 " | 20 | " | Wintergreens..... | | | | | | | | | 40401 |
| | | | | | | | | | | p. c. | | | | | | |
| | | | | | | | | | | 7.78 | +68.7 | +40.5 | 42.1 | None. | | Orange slices, gelatinized starch. |
| | | | | | | | | | | 1.26 | +40.5 | +0.3 | 60.0 | " | | Acid drops—strawberry, red. |
| | | | | | | | | | | 0.90 | +51.4 | -7.2 | 87.5 | " | | Pink tablets, contain starch. |

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

| | | | | | | | | | | | | | | | | | |
|---------|--------------------------------|-------|---|--------|----|--------------|--|--|--|------|-------|-------|------|-------|--|-----------------------------------|-------|
| Nov. 24 | Highly Coloured Confectionery. | 42871 | Bunnell Bros., Ottawa. | 2 lbs. | 20 | Vendors..... | | | | | | | | | | | 42871 |
| " 24 | " | 42872 | The McCormick Mfg. Co., Ltd., Ottawa. | 2 " | 14 | " | | | | | | | | | | | 42872 |
| " 24 | " | 42873 | D. S. Perrin & Co., Ltd., Ottawa. | 2 " | 30 | " | | | | | | | | | | | 42873 |
| " 24 | " | 42874 | Mooney Biscuit & Candy Co., Ltd., Ottawa. | 2 " | 15 | " | | | | | | | | | | | 42874 |
| Dec. 4 | " | 42875 | Robertson Bros. Ltd., Ottawa. | 2 " | 17 | " | | | | | | | | | | | 42875 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 2.90 | +41.2 | -17.1 | 87.0 | None. | | Sticks, coloured. | |
| | | | | | | | | | | 3.26 | +62.1 | +14.3 | 71.3 | " | | Mixture..... | |
| | | | | | | | | | | 1.13 | +57.6 | +0.8 | 84.8 | " | | Conversational lozenges, colours. | |
| | | | | | | | | | | 2.98 | +50.8 | +0.6 | 74.9 | " | | Mixture..... | |
| | | | | | | | | | | 3.28 | +62.6 | +14.5 | 71.8 | " | | " | |

| | | | | | | | | | |
|------|---|--|----|---------------------------------|--------------------|------|---|-----------------------------|-------|
| " 10 | " | 42876 Geo. Trudel, 181 Rideau St., Ottawa. | 20 | Vendor | 3 08 + 34 5 - 16 1 | 75 5 | " | Sticks, red stripes | 42876 |
| " 11 | " | 42877 R. F. Keays Carleton Place. | 10 | H. S. McNeill Toronto. | | | " | Only a few coloured pieces. | 42877 |
| " 14 | " | 42878 W. T. Cleland, 2 lbs. Kemptville. | 20 | Abbott Grant & Co., Brockville. | 3 34 + 42 2 - 15 5 | 86 0 | " | Mixture | 42878 |
| " 16 | " | 42879 J. Brinkman, Smith's Falls. | 25 | Unknown | 1 26 + 53 1 - 6 2 | 88 5 | " | Creams, mixed colours. | 42879 |
| " 17 | " | 42880 Fulton Bros., Chester-ville. | 20 | Ganong Bros., St. John, N.B. | 2 88 + 61 3 + 8 4 | 79 0 | " | Mixture | 42880 |

DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.

| | | | | | | | | | |
|---------|--------------------------------|-------------------------------------|----|--------------------------|--------------------|------|-------|-----------------------------------|-------|
| Nov. 29 | Highly Coloured Confectionery. | 42787 J. T. Prince, Kingston. | 50 | Robertson Bros. Toronto. | 1 50 + 51 4 - 13 6 | 97 0 | None. | Conversational lozenges, colours. | 42787 |
| " 29 | " | 42788 G. Masoud, Kingston. | 65 | " | | | " | Mixture, large amt. licorice. | 42788 |
| " 29 | " | 42789 T. Sakalis, Kingston. | 30 | Vendor | | | " | Only a few coloured pieces. | 42789 |
| " 29 | " | 42790 Skandalis & Doufas, Kingston. | 40 | Martineau, Montreal. | 4 62 + 57 4 + 2 8 | 81 5 | " | Mixture | 42790 |
| " 30 | " | 42791 W. J. Crothers, Kingston. | 15 | Vendor | 3 60 + 62 1 + 12 0 | 74 8 | " | " | 42791 |
| " 30 | " | 42792 W. H. Pritchard, Kingston. | 65 | " | 1 52 + 54 1 - 3 1 | 85 4 | " | Wintergreen berries, red. | 42792 |
| Dec. 1 | " | 42793 J. Wallace, Belleville. | 40 | Robertson Bros. Toronto. | 5 44 + 55 5 - 1 5 | 85 1 | " | Creams, mixed colours. | 42793 |
| " 1 | " | 42794 A. Perks, Cobourg. | 60 | Nasmith, Toronto. | 5 66 + 39 6 + 1 4 | 57 0 | " | Contain chopped nuts, &c. | 42794 |
| " 1 | " | 42795 T. J. MeasTaggart, Port Hope. | 20 | Unknown | 3 80 + 59 9 + 11 4 | 72 4 | " | Mixture | 42795 |
| " 2 | " | 42796 T. H. Hopper, Peterboro. | 40 | Vendor | | | " | Only a few coloured pieces. | 42796 |

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

| | | | | | | | | | |
|--------|--------------------------------|------------------------------------|----|------------------------|--------------------|------|-------|--------------|-------|
| Dec. 1 | Highly Coloured Confectionery. | 41121 C. Geogas, Collingwood. | 20 | Vendor | 1 78 + 64 8 + 22 7 | 62 8 | None. | | 41121 |
| " 3 | " | 41122 A. J. Stewart, Owen Sound. | 60 | " | 0 88 + 47 9 - 16 5 | 98 3 | " | | 41122 |
| " 6 | " | 41123 Peter Christopher, Hamilton. | 20 | " | 3 34 + 50 6 + 7 8 | 77 3 | " | | 41123 |
| " 7 | " | 41124 McDowell Bros., Dunville. | 20 | D. S. Ferrin, London. | 3 80 + 63 4 + 14 8 | 72 5 | " | Mixture | 41124 |
| " 16 | " | 41125 F. A. Wilson, Catharines. | 20 | Laing Bros., Hamilton. | 2 80 + 43 9 - 16 2 | 89 7 | " | Sticks, red. | 41125 |
| " 16 | " | 41126 J. D. Wright, Catharines. | 20 | Unknown | 2 78 + 43 2 - 14 8 | 86 6 | " | Mixture | 41126 |

BULLETIN No. 200—HIGHLY COLOURED CONFECTIONERY.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Inspector's Report (is not an expression of opinion). | RESULTS OF ANALYSIS. | | | | | Description. | No. of Sample. | |
|---------------------|--------------------------------|----------------|--------------------------------------|-----------|--------|---|----------------------|---------|---------|-------|--------------------------------|--------------|--------------------------|--|
| | | | | Quantity. | Cents. | | Moisture. | Direct. | Invert. | p. c. | Cane Sugar by Clerget Formula. | | | Sugar—Calculated to percentage on dry Substance. |
| Dec. 17 1909. | Highly Coloured Confectionery. | 41427 | H. Grierson, Hamilton. | 2 | 28 | Vendor. | | 2.62 | +48.3 | 6.3 | 81.5 | None. | Creams, pink and yellow. | 41427 |
| " 22 | " | 41428 | Robertson Bros., Ltd., Toronto. | 2 | 20 | Vendors. | | 9.20 | +57.5 | +1.2 | 13.9 | " | Creams, pink. | 41428 |
| " 22 | " | 41429 | Paris Candy Works, Toronto Junction. | 2 | 20 | " | | 3.28 | +56.7 | +1.6 | 82.2 | " | Mixture. | 41429 |
| " 23 | " | 41430 | Boston Candy Store, Toronto. | 2 | 20 | Robertson Bros., Toronto. | | 1.20 | +62.7 | +13.7 | 73.3 | " | " | 41430 |

DISTRICT OF LONDON—T. KIDD, INSPECTOR.

| | | | | | | | | | | | | | | |
|---------|--------------------------------|-------|---------------------------------|-------|----|-----------------------------|--|------|-------|-------|------|-------|----------------------------------|-------|
| Dec. 11 | Highly Coloured Confectionery. | 30892 | T. S. Blews, Seaforth. | 1 lb. | 20 | McLaughlin's, Owen Sound. | | 1.18 | +57.1 | 0.0 | 85.2 | None. | Conversational lozenges colours. | 30892 |
| " 11 | " | 30893 | Mrs. J. S. Gillespie, Seaforth. | 1 | 20 | Mooney Candy Co. Stratford. | | 0.60 | +53.0 | -8.7 | 92.1 | " | " | 30893 |
| " 13 | " | 30894 | J. J. Edwards. | 1 | 15 | Bean & Westley, Woodstock. | | 2.72 | +60.1 | +8.3 | 77.3 | " | Sticks, red stripes. | 30894 |
| " 13 | " | 30896 | H. T. Edwards. | 1 | 15 | Mr. Jameson, Gault. | | 1.34 | +56.5 | +13.9 | 63.6 | " | Mixture. | 30896 |
| " 16 | " | 44702 | T. J. Molyneux, Dublin. | 1 | 10 | Bean & Westlake, Woodstock. | | 3.16 | +60.1 | +9.1 | 76.1 | " | " | 44702 |
| " 18 | " | 44707 | William Haigh, Guelph. | 1 | 20 | Robertson Bros., Toronto. | | 6.58 | +56.0 | -2.9 | 85.3 | " | Creams, pink and yellow. | 44707 |
| " 18 | " | 44708 | Yates & Thomas, Guelph. | 1 | 20 | Vendors. | | 2.96 | +57.7 | +3.6 | 80.7 | " | Sticks, red stripes. | 44708 |
| " 21 | " | 44711 | Pickard & Fleming, St. Mary's. | 1 | 15 | McCormick Co., London, Ont. | | 5.04 | +53.9 | +9.5 | 73.7 | " | Gum drops. | 44711 |

| | | | | | | | | | | | | | | | | |
|-------|--------|---|---|-------|----------------------------|-------|---|----|----------------------------|------|-------|-------|------|---|---------|-------|
| 1909. | Jan. 5 | " | " | 44713 | R. A. Climie, Lis-towell. | Lis-1 | " | 10 | " | 3.26 | +63.7 | +15.1 | 72.6 | " | Mixture | 44713 |
| " | " | 5 | " | 44714 | Joseph Respue, Lis-towell. | Lis-1 | " | 10 | Mooney Mfg. Co. Stratford. | 3.38 | +52.5 | +0.6 | 77.5 | " | " | 44714 |
| " | " | 5 | " | 44715 | J. S. Gee, Listowel | Lis-1 | " | 15 | Lumsden Bros., Hamilton. | 4.70 | +63.0 | +11.8 | 76.4 | " | " | 44715 |

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

| | | | | | | | | | | | | | | |
|-------|--------|--------------------------------|-------|-----------------------------|--------|----|---------------------------------------|------|-------|-------|------|-------|---------------------------------|-------|
| 1909. | Dec. 6 | Highly Coloured Confectionery. | 42654 | McTavishes Bakery, Aylmer. | 2 lbs. | 20 | Mooney, Stratford | 3.18 | +60.0 | +16.3 | 65.2 | None. | Mixture. | 42654 |
| " | " | " | 42662 | R. M. Teall, Tillsonburg. | 2 " | 20 | Mooney Biscuit & Candy Co. Stratford. | 0.96 | +52.8 | +7.5 | 67.6 | " | Sticks — red and yellow. | 42662 |
| " | " | " | 42671 | O. R. Hanselman, Simcoe. | 2 " | 40 | Weston's, Toronto | 4.34 | +64.6 | +19.0 | 68.0 | " | Small creams—pink and yellow | 42671 |
| " | " | " | 42674 | G. O. Werrett, Simcoe. | 2 " | 40 | D. S. Perrin Co., London. | 1.42 | +58.1 | +1.0 | 86.2 | " | Conversational lozenges colours | 42674 |
| " | " | " | 42675 | Chas. F. Miner, Simcoe. | 2 " | 20 | McCormick Mfg. Co., London. | 3.10 | +61.9 | +12.7 | 73.4 | " | Mixture. | 42675 |
| " | " | " | 42680 | A. J. Tremains, Brantford. | 2 " | 30 | Vendor. | 2.96 | +57.5 | +4.7 | 78.8 | " | Sticks, red. | 42680 |
| " | " | " | 42685 | D. S. Perrin & Co., London. | 2 " | 30 | Vendors | 3.78 | +60.3 | +11.0 | 73.6 | " | Mixture. | 42685 |

DISTRICT OF MANITOBA—A. C. LARIVIERE, INSPECTOR.

| | | | | | | | | | | | | | | |
|------|----|--------------------------------|-------|-------------------------------------|--------|----|------------------------------------|------|-------|-------|------|-------|----------------------------|-------|
| Dec. | 8 | Highly Coloured Confectionery. | 39861 | Foley Bros. & Larsen, Winnipeg. | 2 lbs. | 25 | Vendors | 3.78 | +63.8 | +16.0 | 71.3 | None. | Mixture. | 39861 |
| " | " | " | 39862 | Paulin Chambers Co., Winnipeg. | 2 " | 30 | " | 3.16 | +56.0 | +4.0 | 77.6 | " | " | 39862 |
| " | " | " | 39863 | Julius Bros., Winnipeg. | 2 " | 30 | " | 3.90 | +62.6 | +12.5 | 74.8 | " | Stick candy, many colours. | 39863 |
| " | " | " | 39864 | The W. J. Boyd Co., Ltd., Winnipeg. | 2 " | 30 | " | 2.46 | +54.3 | -1.9 | 83.9 | " | Mixture. | 39864 |
| " | " | " | 39865 | G. Castran, Winnipeg. | 2 " | 30 | " | 7.12 | +57.9 | +2.9 | 82.1 | " | Creams, pink. | 39865 |
| " | 15 | " | 39866 | A. Binder, Winnipeg. | 2 " | 25 | Telfer Bros., Winnipeg. | 3.22 | +60.0 | +9.7 | 75.1 | " | Mixture. | 39866 |
| " | 15 | " | 39867 | W. L. Walseman, Winnipeg. | 2 " | 30 | Thos. H. Lock & Co., Winnipeg. | 3.10 | +57.4 | +5.3 | 77.7 | " | " | 39867 |
| " | 15 | " | 39868 | Max Zissman, Winnipeg. | 2 " | 40 | McCormick, London, Ont. | 3.02 | +61.1 | +10.6 | 75.4 | " | " | 39868 |
| " | 15 | " | 39869 | G. Venier, Winnipeg. | 2 " | 30 | Unknown. | 3.00 | +53.5 | -2.6 | 83.7 | " | " | 39869 |
| " | 16 | " | 39870 | B. Frank, Winnipeg. | 2 " | 25 | The Paulin Chambers Co., Winnipeg. | 3.22 | +56.9 | +5.3 | 77.0 | " | " | 39870 |

BULLETIN No. 200—HIGHLY COLOURED CONFECTIO NERY.

| Date of Collection. | Nature of Sample. | No. of Sample. | Name and Address of Vendor. | Cost. | | Inspector's Report (Is not an expression of opinion). | RESULTS OF ANALYSIS. | | | | | | No. of Sample. | | |
|---------------------|-------------------|--------------------------------|--|-----------|--------|---|----------------------|---------|---------|---|--|-------------------------------|---------------------|-------------------------|--------------|
| | | | | Quantity. | Cents. | | Moisture. | Direct. | Invert. | Polarization of half normal Sol. in 2 dm. tube. | Sugar—Calculated to percentage on dry Substance. | Cane Sugar by Clerget Formula | | Arsenic. | Description. |
| 1908. | Dec. 10 | Highly Coloured Confectionery. | 43641 D. Milne Co., Ltd., Medicine Hat. | 2 lbs. | 40 | Robertson Bros., Toronto. | | p. c. | 3.66 | +62.5 | +13.8 | 72.7 | None. | Mixture. | 43641 |
| " | " | " | 43642 L. B. Cochrane, Medicine Hat. | 2 " | 40 | " | | p. c. | 1.80 | +62.9 | +19.3 | 65.1 | *Very slight trace. | " | 43642 |
| " | " | " | 43643 H. W. Ireland Co., Medicine Hat. | 2 " | 30 | McCormick Mfg. Co., London, Ont. | | p. c. | 2.34 | +60.0 | +11.2 | 72.7 | None. | " | 43643 |
| " | " | " | 43644 R. Dunn, Medicine Hat. | 2 " | 30 | " | | p. c. | 2.98 | +59.7 | +10.5 | 73.4 | " | " | 43644 |
| " | " | " | 43645 H. Morrow, Medicine Hat. | 2 " | 40 | Argorseon Co., Ltd., Calgary. | | p. c. | 3.48 | +64.4 | +19.1 | 75.4 | " | " | 43645 |
| " | " | " | 43646 S. G. Freeze, Calgary. | 2 " | 25 | D. S. Perrin & Co., London, Ont. | | p. c. | 2.76 | +60.1 | + 8.6 | 77.7 | " | " | 43646 |
| " | " | " | 43647 Peter Mores, Calgary. | 2 " | 30 | Vendor. | | p. c. | 4.06 | +61.0 | 12.1 | 73.0 | " | Cream, pink and yellow. | 43647 |
| " | " | " | 43648 J. T. Macdonald, Calgary. | 2 " | 25 | Mooney Biscuit & Candy Co., Stratford. | | p. c. | 4.07 | +58.9 | + 9.7 | 73.4 | " | Mixture. | 43648 |
| " | " | " | Hudson's Bay Co., Lethbridge. | 2 " | 30 | " | | p. c. | 3.84 | +63.6 | +19.5 | 65.9 | " | " | 43649 |
| " | " | " | Bentley Co., Lethbridge. | 2 " | 40 | " | | p. c. | 3.26 | +56.8 | + 9.1 | 71.3 | " | " | 43650 |

DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.

* Trace of arsenic; amount harmless.

DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

| | | | | | | | | | | | |
|---------|--------------------------------|-------|---------------------------------|---------|----|-------------------------------------|--------------------|------|-------|---|-------|
| Dec. 15 | Highly Coloured Confectionery. | 37803 | S. Narcus, Vancouver | 2 lbs. | 56 | Robertson & Co. | 0 88 + 53.0 - 9.6 | 93.2 | None. | Conversational lozengers, odours Mixture. | 37803 |
| " 15 | " | 37804 | Eagle Cigar Store, Vancouver. | 2 " | 25 | Ramsay Bros. | 3.52 + 57.1 + 3.4 | 80.3 | " | " | 37804 |
| " 15 | " | 37805 | Lewis & Tingerhurst, Vancouver. | 2 " | 30 | M. R. Smith & Co. | 2.30 + 54.5 - 3.4 | 86.3 | " | " | 37805 |
| " 15 | " | 37806 | Athens Candy Co., Vancouver. | 2 " | 50 | Ganong Bros. | 3.78 + 61.8 + 9.8 | 77.5 | " | " | 37806 |
| " 15 | " | 37807 | Mrs. O'Brien, Vancouver. | 2 " | 40 | Foley, Lock & Larrsen. | 3.58 + 61.4 + 10.4 | 76.1 | " | " | 37807 |
| " 15 | " | 37808 | J. A. Dickie, Vancouver. | 2 " | 50 | Roberts & Co. | 0.98 + 51.5 - 8.4 | 89.4 | " | " contains starch. | 37808 |
| " 17 | " | 37809 | Olympia Candy Co., Vancouver. | 2 " | 40 | Connolly, Watson & Beoin. | 3.14 + 63.5 + 15.3 | 71.9 | " | Mixture. | 37809 |
| " 17 | " | 37810 | R. Mitchell | 2 " | 30 | Ramsay Bros. | 3.44 + 57.2 + 3.0 | 80.8 | " | " coated gum drops, starch gelatinized. | 37810 |
| " 17 | " | 37811 | E. P. Charlton, Vancouver. | 2 " | 25 | Pan Confectionery Co., Chicago, Ill | 4.18 + 68.5 + 30.3 | 56.3 | " | " | 37811 |
| " 17 | " | 37812 | Europe Grocery | 1 1/2 " | 20 | Unknown | 3.06 + 55.9 + 2.3 | 80.0 | " | Mixture, sample dirty. | 37812 |

DISTRICT OF VICTORIA—D. O'SULLIVAN, INSPECTOR.

| | | | | | | | | | | | |
|---------|--------------------------------|-------|--|--------|----|------------------------------------|--------------------|------|-------|---------------------------------|-------|
| Dec. 10 | Highly Coloured Confectionery. | 41609 | W. Speed, Victoria, B.C. | 2 lbs. | 30 | Ganong Bros. St. Regal mixture | 3.94 + 60.3 + 9.2 | 76.3 | None. | Mixture. | 41609 |
| " 10 | " | 41610 | The Saunders Grocery Co., Ltd., Victoria, B.C. | 2 " | 30 | R. F. Ribbet & Co., Victoria, B.C. | 2.77 + 55.4 - 1.4 | 84.7 | " | " | 41610 |
| " 10 | " | 41611 | " | 2 " | 30 | " | 1.00 + 52.8 - 7.8 | 90.9 | " | Varied mixture, cop'ain starch. | 41611 |
| " 13 | " | 41612 | H. A. Lilley, Victoria, B.C. | 2 " | 30 | Vendor | 2.54 + 39.0 - 14.6 | 79.9 | " | Mixture. | 41612 |
| " 14 | " | 41613 | R. Erskine & Co., Victoria, B.C. | 2 " | 30 | G. R. King, Victoria, B.C. | 3.90 + 62.2 + 11.9 | 75.1 | " | " | 41613 |
| " 14 | " | 41614 | A. Pool, Victoria, B.C. | 2 " | 30 | Fopham Bros., Victoria, B.C. | 3.84 + 47.1 - 10.8 | 86.4 | " | " | 41614 |
| " 16 | " | 41615 | Harcop & Antipas, Victoria, B.C. | 2 " | 50 | Savin Bros., Vancouver. | 2.80 + 52.2 - 3.4 | 83.0 | None. | Mixture not highly coloured. | 41615 |
| " 16 | " | 41616 | V. Stramatara, Victoria, B.C. | 2 " | 40 | The Bray Co., Victoria. | 2.02 + 51.8 - 4.6 | 84.2 | " | " contains starch. | 41616 |
| " 16 | " | 41617 | " | 2 " | 35 | " | 1.62 + 46.5 - 12.8 | 88.6 | " | " | 41617 |
| " 16 | " | 41618 | T. Vasilatos, Victoria, B.C. | 2 " | 50 | Batger & Co., London, Eng. | | | | | 41618 |

