

2. *Cotton Seed Oil* is the oil obtained from the seeds of cotton plants and subjected to refining processes. It is free from rancidity; has specific gravity, at 15.5° C., between 0.9216 and 0.9300; has a refractive index (at 25° C.) not less than 1.4700 and not more than 1.4725, and an iodine number not less than 104 nor more than 110 (Hnbl solution).
 3. *Salad Oil*. Either of the above may be sold as salad oil; but when Cotton Seed Oil is offered as Salad-Oil, the fact that the article is Cotton Seed Oil must be declared on the label.
 4. Mixtures of *Cotton Seed Oil* with *Olive Oil* must be so declared on the label.
- The standards above defined take effect on the 13th May proximo.

W. J. GERALD,
Deputy Minister.

Since the effective date of the above Order in Council (May 13, 1912), two systematic inspections have been reported. In December 1912 and January 1913, thirty-six samples of Olive Oil were collected and examined, (See Bulletin 256). On the whole, the results of this inspection were satisfactory, only two samples being found adulterated. During the summer of 1914, one hundred and fourteen (114) samples of Olive Oil and Salad Oil were examined (Bull. 294). Eleven of these samples were found to be adulterated as containing cotton seed oil without declaration of the fact. Ample time has been given for manufacturers and importers to make themselves acquainted with the regulations which govern the sale of Salad Oil; and it is unsatisfactory to record forty-three (43) samples of the present collection, as adulterated, under the Act. In addition to this number, thirty-five (35) samples contain the word *coton* in very small type on the label. Section 24 of the Act requires that mixtures should be labelled in *conspicuous characters*, and it is certain that this requirement is not met in these cases. I have, for the present, judged these samples as *doubtful*; but it is questionable whether or not I am justified in thus describing them. Most of these samples are labelled "Huile Douce", equivalent to "Sweet Oil", which is identified with Olive Oil by the Order in Council of the 28th of March, 1912.

Adulteration, consists in selling as Salad Oil an article which consists of, or which contains, cotton seed oil, without notification thereof. This violates the requirements of the Order in Council quoted above; and constitutes adulteration under the terms of section 3 of the Adulteration Act, which reads as follows:—

"Food shall be deemed to be adulterated within the meaning of the Act:—
"(d) if it is an imitation of, or is sold under the name of another article;

"(g) if its strength or purity falls below the standard, or its constituents are present in quantity not within the limits of variability fixed by the Governor in Council, as hereinafter provided."

The subjoined synopsis presents the results of the present inspection:

Meet Legal Requirements:

as being Olive Oil.....	67 samples.
as declaring cotton seed oil.....	14 "
<i>Doubtful</i> , as containing the word "coton" in small type	35 "
<i>Adulterated</i> as containing cotton seed oil without declaration	43 "

Total 159 samples.

I would respectfully recommend publication of this report as Bulletin No. 328.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.