

Under these circumstances, it will be seen that a discrimination between cinnamon and cassia, as spices, is difficult to maintain. It is open to question how far we may take the darker colour of cassia, as evidence of its presence.

The difficulty of distinguishing between cinnamon and cassia, in the ground state, is recognized by the Committee of Standards at Washington, as shown by the following definitions, proclaimed as legal for the United States in June, 1906:

Cinnamon is the dried bark of any species of the genus *Cinnamomum*, from which the outer layers may or may not have been removed.

True Cinnamon is the dried inner bark of *Cinnamomum Zeylanicum*, Breyne.

Cassia is the dried bark of various species of *Cinnamomum*, other than *Cinnamomum Zeylanicum*, from which the outer layers may or may not have been removed.

Cassia buds are the dried, immature fruit of species of *Cinnamomum*.

Ground Cinnamon, *Ground Cassia*, is a powder consisting of Cinnamon, Cassia or Cassia buds, or a mixture of these spices, and contains not more than six (6) per cent of total ash, and not more than two (2) per cent of sand.

So far as admixture of Cassia is concerned, I do not think that the present state of our knowledge justifies me in pronouncing it an adulteration of the spice known as Ground Cinnamon. This aspect of the matter must be left open for the present.

The results of the present inspection are as follows:—

Apparently genuine	198
Adulterated	12
Doubtful	14
Samples lost or collected by mistake	4
Ash abnormal	22
	250

Adulteration consists in the presence of matters foreign to Cinnamon or Cassia, and is declared under Section 3 (a) and (b) of the Adulteration Act.

When the amount of foreign matter is inconsiderable, and possibly due to mistake, or unintentional carelessness I have used the word doubtful.

Abnormal ash in the absence of legal Standards for the article, cannot be declared as adulteration.

It will be necessary to establish standards for Cinnamon and Cassia, particularly as regards ash content; and this matter will be kept in view by your Advisory Board.

The report now furnished will enable us to arrive at a decision.

I beg to send publication of this report as Bulletin No. 251.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,
Chief Analyst.