

4524. Adulteration and misbranding of gelatin. U. S. v. Clarkson Glue Co., a corporation (Clarkson Gelatin Works). Plea of guilty. Fine, \$50 and costs. (F. & D. No. 6698. I. S. Nos. 9676-h, 9990-h, 20407-h, 21534-h, 28101-h.)

On December 30, 1915, the United States attorney for the Northern District of Illinois, acting upon a report by the Secretary of Agriculture, filed in the District Court of the United States for said district an information against the Clarkson Glue Co., a corporation, trading as the Clarkson Gelatin Works, Chicago, Ill., alleging shipment by said company, in violation of the Food and Drugs Act, on or about June 23, 1914, from the State of Illinois into the States of Iowa, Kentucky, and Michigan; on or about June 18, 1914, from the State of Illinois into the State of New York; and, on or about May 13, 1914, from the State of Illinois into the State of Ohio, of quantities of gelatin which was adulterated and misbranded.

The Iowa shipment was invoiced: "104# Clarkson Gelatine 104# 25½¢ \$26.52."

Analysis of a sample of the article by the Bureau of Chemistry of this department showed the following results:

Copper, as Cu (part per million)-----	114
Zinc, as Zn (parts per million)-----	790
Sucrose by copper (per cent)-----	12.13
Sodium bicarbonate, from ash (per cent)-----	0.76
Sodium bicarbonate, by titration (per cent)-----	0.73

The New York shipment was invoiced: "½ Bbl. Clarkson Ground Gelatine 107# 25 26.75."

Analysis of a sample of this product by said Bureau of Chemistry showed the following results:

Alkalinity of soluble ash (as NaHCO ₃) (per cent)-----	0.10
Alkalinity of ice water extract of sample (as NaHCO ₃) (per cent)-----	0.10
Copper (parts per million)-----	122
Zinc (parts per million)-----	898
Arsenic (parts per million)-----	1.5
Reducing sugars, before inversion: Trace.	
Sucrose by copper, in original sample (per cent)-----	11.02
Ash, in original sample (per cent)-----	2.25
Sucrose by copper (in portion passing through 60 mesh sieve) (per cent)-----	38.49
Ash (in portion passing through 60 mesh sieve) (per cent)-----	4.20

Tests for sodium bicarbonate: Positive.

The Kentucky shipment was invoiced: "100# Clarkson V. M. I. Gelatine 21½ 21.75."

Analysis of a sample of this product by said Bureau of Chemistry showed the following results:

Copper, as Cu (parts per million)-----	114
Zinc, as Zn (parts per million)-----	807
Sucrose by copper (per cent)-----	11.37
Sodium bicarbonate, from ash (per cent)-----	0.68
Sodium bicarbonate, by titration (per cent)-----	0.64

Adulteration of the article in each of these shipments was alleged in the information for the reason that sugar and sodium bicarbonate had been mixed and packed with the article so as to reduce, lower, and injuriously affect its quality and strength and had been substituted in part for gelatin, which the

article purported to be. Adulteration was alleged for the further reason that the article contained added poisonous and deleterious ingredients, to wit, copper and zinc, which might render the article injurious to health.

Misbranding was alleged for the reason that the article was a mixture of gelatin, sugar, bicarbonate of soda, zinc, and copper, and was an imitation of, and was offered for sale under the distinctive name of, another article, to wit, gelatin.

The Ohio shipment was invoiced: "1 Bbl. Clarkson Ground Gelatine 486#—18¢ 87.48."

Analysis of a sample of this product by said Bureau of Chemistry showed the following results:

Arsenic, as As_2O_3 (parts per million)-----	2.5
Copper, as Cu (parts per million)-----	30
Zinc, as Zn (parts per million)-----	1961
Sulphur dioxid, as SO_2 (parts per million)-----	4256
Fat (per cent)-----	0.48
Ash (per cent)-----	3.01
Jelly strength: 3 per cent solution in ice box at 20° C. did not form a jelly.	

Bad odor.

The product is a glue and not a gelatin.

Adulteration of the article was alleged in the information for the reason that glue had been mixed and packed therewith so as to reduce, lower, and injuriously affect its quality and strength and, further, in that it contained added poisonous and deleterious ingredients, to wit, arsenic, copper, and zinc, which might render it injurious to health.

Misbranding was alleged for the reason that the article was a mixture of gelatin, glue, arsenic, zinc, and copper, and was an imitation of, and offered for sale under the distinctive name of, another article, to wit, gelatin.

The Michigan shipment was invoiced: "1 bbl. Clarkson Ground Gelatine, 185# 18-1/2¢ 34.23."

Analysis of a sample of this article by said Bureau of Chemistry showed the following results:

Arsenic, as As_2O_3 (parts per million)-----	3
Copper, as Cu (parts per million)-----	104
Zinc, as Zn (parts per million)-----	643
Sulphur dioxid, as SO_2 (parts per million)-----	3419
Sodium bicarbonate, by titration (per cent)-----	0.55
Ash (per cent)-----	2.59
Fat (per cent)-----	0.55
Jelly strength: 3 per cent solution at 20° C. did not form a jelly.	

Bad odor.

The product is a glue and not a gelatin.

Adulteration of the article was alleged in the information for the reason that glue and sodium bicarbonate had been mixed and packed therewith so as to reduce, lower, and injuriously affect its quality and strength and, further, in that it contained added poisonous and deleterious ingredients, to wit, arsenic, copper, and zinc, which might render the article injurious to health.

Misbranding was alleged for the reason that said article was a mixture of gelatin, glue, sodium bicarbonate, arsenic, zinc, and copper and was an imitation of, and offered for sale under the distinctive name of, another article, to wit, gelatin.

On January 31, 1916, the defendant company entered a plea of guilty to the information, and the court imposed a fine of \$50 and costs.