

File Ref. No. 2175

UNITED STATES COAST AND GEODETIC SURVEY,
OFFICE OF WEIGHTS AND MEASURES,WASHINGTON, D. C., March 3^d, 1890.

Mr E. O. Leech
Director of the Mint
Washington D.C.

Sir:

Herewith I enclose a report by the Assistant charged with the adjustment of the subsidiary metric weights recently furnished to the Mint Bureau and returned because of their lack of agreement among themselves as stated in the letter of Dr. Eckfeldt, accompanying yours of February 18th. It appears from the report that the 2-decigramme weight was in error and that this error was due to an unrecorded substitution of a similar weight in the standards box.

The weights herewith returned have been more closely adjusted than those first furnished and

Adjuster, who if cognizant of the substitution, failed to make the proper record.

In regard to the adjustment of the 100 gramme weight, which was not returned by the mint but about which you enquired I beg leave to explain that it was adjusted with much nicety to the standard by actual weighing, but the standard weight has a vacuum correction which applied to the weight furnished the Mint Bureau (on the assumption of equal densities between it and our standard) produced the seeming lack of care in the actual adjustment.

In compliance with the request of the Director of the Mint a more refined adjustment of several of the weights has been made, and the weights are now ready to be returned to the Mint.

Yours very respectfully
O. H. Pittman

Asst. in Chge. W & M. Div.

NARA RG104, Entry 1, Box 162

File Ref. No. 2175

United States Coast and Geodetic Survey,
Office of Weights and Measures,
Washington, D.C., March 3, 1890.

Mr. E.O. Leech
Director of the Mint
Washington, D.C.

Sir:

Herewith I enclose a report by the Assistant charged with the adjustment of the subsidiary metric weights recently furnished to the Mint Bureau and returned because of their lack of agreement among themselves as stated in the letter of Dr. Eckfeldt accompanying yours of February 18th. It appears from the report that the 2-decigramms weights was in error and that this error was due to an unrecorded substitution of a similar weight in the standards box.

The weights herewith returned have been more closely adjusted have those first furnished and adjuster, who if cognizant of the substitution, failed to make the proper record.

In regard to the adjustment of the 100 gramme weight, which was not returned by the mint but about which you enquired I beg leave to explain that it was adjusted with much nicety to the standard by actual weighing, but the standard weight has a vacuum correction which applied to the weight furnished the Mint Bureau (in the assumption of equal densities between it and our standard) produced the seeming lack of care in the actual adjustment.

In compliance with the request of the Director of the Mint a mere refined adjustment of several of the weights has been made, and the weights are now ready to be returned to the Mint.

Yours very respectfully,
O.H. Tittmann
Asst. in chge. W & M. Dir.