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H. R. 596.

IN THE SENATE OF THE UNITED STATES.

May 18, 1866.

Read twice and referred to a Select Committee on Coinage and Weights and Measures.

AN ACT

To authorize the use of the metric system of weights and

'o :	authorize the use of the metric system of weights and measures.
1	Be it enacted by the Senate and House of Representa-
2	tives of the United States of America in Congress assembled,
3	That from and after the passage of this act it shall be lawful
4	throughout the United States of America to employ the
5	weights and measures of the metric system; and no contract
6	or dealing, or pleading in any court, shall be deemed invalid
7	or liable to objection because the weights or measures ex-
8	pressed or referred to therein are weights or measures of the
9	metric system.
1	SEC. 2. And be it further enacted, That the tables in
2	the schedule hereto annexed shall be recognized in the con-
3	struction of contracts, and in all legal proceedings, as estab-

lishing, in terms of the weights and measures now in use in

the United States, the equivalents of the weights and meas-

ures expressed therein in terms of the metric system; and

said tables may be lawfully used for computing, determining,

- 8 and expressing in customary weights and measures the weights
- 9 and measures of the metric system.

MEASURES OF LENGTH.

Metric denominations and	values.	Equivalents in denominations in use.	
Myriameter	10,000 meters.	6. 2137 miles.	
Kilometer	1,000 meters.	0, 62137 miles, or 3,280 feet and 10 inches.	
Hectometer	100 meters.	328 feet and 1 inch.	
Dakameter	10 meters.	393. 7 inches.	
Meter	1 meter.	39. 37 inches.	
Decimeter	$\frac{1}{10}$ of a meter.	3. 937 inches.	
Centimeter	$\frac{1}{100}$ of a meter.	0. 3937 inches.	
Millimeter	1000 of a meter.	0. 0394 inches.	

MEASURES OF SURFACE.

Metric denominations a	nd values.	Equivalents in denominations in use.
Hectare	10,000 square meters	2.471 acres.
Are	100 square meters	119.6 square yards.
Centare	1 square meter	1,550 square inches.

MEASURES OF CAPACITY.

METRIC DENOMINATIONS AND VALUES.			EQUIVALENTS IN DENOMINATIONS IN USE.		
Names.	Number of liters.	Cubic measure.	Dry measure.	Liquid or wine measure	
Kiloliter, or stere	1,000	1 cubic meter	1. 308 cubic yards	264.17 gallons.	
Hectoliter	100	10 of a cubic meter	2 bushels and 3, 35 pecks	26.417 gallons.	
Dekaliter	10	10 cubic decimeters .	9. 08 quarts	2.6417 gallons.	
Liter	1	1 cubic decimeter	0. 908 quarts	1,0567 quarts.	
Deciliter	10	10 of a cubic decimeter	6. 1022 cubic inches	0,845 gills.	
Centiliter	700	10 cubic centimeters.	0. 6102 cubic inches	0.338 fluid ounces.	
Milliliter	1000	1 cubic centimeter .	0.061 cubic inches	0,27 fluid drams.	

WEIGHTS.

METRIC	EQUIVALENTS IN DENOMI-		
Names.	Number of grams.	Weight of what quantity of water at maximum density.	Avoirdupois weight.
Millier, or Tonneau Quintal Myriagram Kilogram, or kilo Hectogram	1,000,000 100,000 10,000 1,000	1 cubic meter 1 hectoliter 10 liters 1 liter	2204.6 pounds. 220.46 pounds. 22.046 pounds. 2.2046 pounds.
Dekagram Gram Decigram Centigram Milligram	100 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 deciliter	3. 5274 ounces. 0. 3527 ounces. 15. 432 grains. 1. 5432 grains. 0. 1543 grains. 0. 0154 grains.

Passed the House of Representatives May 17, 1866.

 ${\bf Attest:}$

EDWARD McPHERSON, Clerk.