

AMOUNT and value of forest products used during the census year 1890—*Concluded.*

Classes of products.	Quantity.	Estimated cubic contents of forest-grown material. <i>b</i>	Value.
III. Exported timber not included in subdivision I <i>d</i>			
Hewn timber, 6,900,000 cubic feet.....		9,000,000	1,230,000
Logs and round timber.....		2,500,000	2,000,000
Rived staves, and stave bolts.....		500,000	1,500,000
		12,000,000	4,730,000
IV. Wood pulp : <i>b</i>			
300,000 tons ground paper pulp.....		75,000,000	3,550,000
80,000 tons soda pulp.....			
60,000 tons sulphite pulp fibre.....			
50,000 tons pulp for other purposes.....			
V. Miscellaneous mill products other than lumber manufactured directly from logs or bolts <i>e</i>.....			
		80,000,000	20,765,000
Total materials requiring bolt or log size.....		5,327,000,000	418,029,924
This last figure of "miscellaneous products" is a very considerable underestimate, based upon census returns and we are entirely safe in rounding off the total of sizable timber used and its value to.....			
		5,500,000,000	450,000,000
VI. Fuel <i>f</i> in the shape of wood.....			
In the shape of charcoal.....		18,000,000,000	450,000,000
VII. Wood used for dyeing extracts and charcoal for gunpowder <i>e</i>.....		250,000,000	7,000,000
		16,200,000	437,000
Total amount and value of wood consumption.....		23,766,000,000	907,437,000
VIII. Naval stores <i>e</i>—			
Turpentine..... barrels	346,544	\$5,459,115	
Rosin..... "	1,429,154	2,413,757	\$7,872,872
IX. <i>e</i> Wood alcohol..... gallons.			
Acetic acid in acetate of lime.....	2,000,000	1,750,000	
X. Tanning materials <i>e</i>—			
Hemlock bark..... cords.	1,056,000	6,925,000	
Oak bark..... "	322,150	2,783,500	
Hemlock bark for extract..... "	64,200	307,500	
Sumac leaves for tanning..... tons	3,300	198,800	
Sumac leaves for extract..... "	3,750	112,000	
Various not accounted for.....		74,000	
			10,400,000
XI. Maple sugar..... pounds <i>e</i>			
Maple syrup..... gallons <i>e</i>	32,952,927	3,300,000	
	2,258,376	2,200,000	5,500,000
Total value of forest by-products.....			25,882,872
Total value of all forest products.....			933,319,872
Add 10 per cent for omissions and underestimates <i>b</i>			93,331,987
Total value of wood and forest products at original place of production, estimated to have been used during census year, 1890.....			1,026,650,859

a These data have been compiled by Mr. Priest from the reports of 21,011 establishments (representing probably 70 per cent in number and 95 per cent in value of product), of which 18,064 manufactured sawed lumber as principal product, 702 manufactured shingles exclusively, 438 manufactured staves and headings exclusively, and 1,807 used logs or bolts in the manufacture of the various classes of products stated under the head of "Miscellaneous," and corrected by the inclusion of the quantities used for customs sawing not given in the census figures.

b Estimated by the Division of Forestry.

c Canvass of Division of Forestry.

d From returns of Bureau of Statistics, U. S. Treasury Department.

e Based on figures of the 11th Census.

f Based on figures of the 10th Census and canvass of Division of Forestry.