

market by causing British manufactures of lead to enter into competition with the American.¹

But these causes for lessened trade are inadequate to explain what had taken place in the shipment of lead on the Mississippi, because they proceed upon the supposition of a greatly lessened production. An examination of the tables of yearly production of lead in the Upper Mississippi mines reveals the fact that, while the product had fallen off from 1847 to 1857, its rate of decrease was much less than the per cent of loss to St. Louis and New Orleans in their lead shipments. The amount of lead received by these cities in 1854 was 306,000 pigs,² while the actual production for that year was 423,000.³ In 1856 the shipments of lead were 219,000,⁴ while the lead produced was 435,000,⁵ and in 1857 the shipments had fallen to 200,000,⁶ though the production was 485,000.⁷ These figures for the lead production are all the more decisive from the fact that they include the product of the Upper Mississippi mines alone. It was, after all, not a question of

¹ *Weekly Northwestern Gazette* (Galena, Ill.), Aug. 14, 1846: "*The Lead Trade and the Tariff*.—While Pennsylvania deplores the ruin of her Coal and Iron Trade, Massachusetts her Manufactures, * * * our locality has been severely taxed as a first offering for the 'incidental protection' of the McKay bill. But thirty days ago, Lead was worth, in the City of New York, \$4.25 per 100 lbs. It is now neglected at \$3.50. Here it was worth \$3.05 to \$3.10; now it is worth \$2.50. Mineral was worth \$18, yes \$20 — now it is worth \$14 to \$15 per 100 lbs."

Also, from the same, Aug. 21, 1846: "*The Lead Trade and the Tariff*.—Within the last thirty days no fewer than sixteen furnaces on this side of the Mississippi and two on the other, in all eighteen furnaces, running twenty hearths, have ceased operations; and this is not all, several of the smelters speak of stopping. To all appearances, there will be a greatly diminished product of Lead this fall in comparison with that of last fall."

² *Hunt's Merch. Mag.*, xli., p. 126.

³ *Id.*, xl., p. 244.

⁴ *Id.*, xli., p. 126.

⁵ *Id.*, xl., p. 244.

⁶ *Id.*, xli., p. 126.

⁷ *Id.*, xl., p. 244.