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## A VERY PRETTY SET

Silberschlag, Johann Esaias. 1721-1791.

*Ausführlichere Abhandlung der Hydrotechnik oder des Wasserbaues.* Leipzig, C. Fritsch 1772-1773. Two vols. 8vo. [xx], 422, [4]p. & [xix], 436, [34]p. & THIRTY FOLDING ETCHED PLATES BY JOHANNA DOROTHEA SYSANG, etched allegorical title vignette of the river god Tiburtus.

Contemporary pink pastepaper over paper boards (spines faded), red edges. \$2400.00

Only Edition: the state of hydraulics for inland waterways documented by a member of the Berlin Academy of Science, who long administered infrastructure projects for Frederick the Great to whom the work is dedicated. To increase commercial shipping and spur economic growth, Silberschlag compiled this comprehensive technical survey of river engineering. The theoretical part treats "the internal conditions of streams, the ascent and fall of streams, the equilibrium of streams, the power of water, and the course of streams. The practical part is...devoted to: the survey of streams, the building of fascines and of scaffolds, embankments, alluvial deposits along the banks, dike-building, the draining of countryside, sluices and locks, ditches and canals, the building of weirs and of bridges, on making streams navigable to ships, and on harbor construction" (Trent). In fine condition, bookticket of the Bibliotheca Mechanica.

Trent & Roberts, *Bib. mechanica* 295; Rouse, *Historic Writings on Hydraulics* 155; Engelmann, *Bib. mech.-tech.* 358 (16 pl. only).