OF BRIDGES.

FROM THE BULLETIN DES SCIENCES.

THE BRIDGE OF THE LOUVRE,
CONSTRUCTED OF CAST-IRON.

This will be the first Bridge in France in which the arcs have been made of iron, or rather of cast-iron. It is even the first which has been executed in Europe according to the system adopted in its construction; and this system has the advantage of greatly economizing the metal, in comparison with that used in England for iron Bridges. In fact, in that of Coalbrook Dale, on the Severn, constructed about twenty-four years ago, and which consists of a single arc one hundred feet in span, and twenty-five feet wide between the railings; the weight of metal that has been employed amounts to seven hundred and fifty-seven thousand pounds; whereas the weight of cast metal for the nine arcs of the Bridge of the Louvre will not amount to six hundred thousand pounds; whilst its length between the abutments is five hundred and sixteen feet, and its width between the railings, thirty feet. It is

* Repertory of Arts, 4 vol. second series, 1803.