a nine hundred dollar bicycle bridge
Wherever you find a body of wheelmen, there you may count upon united support for road reform. Pioneer work is always dificult and expensive, and calls for a good deal of persistence to insure recognition. for a good deal of persistence to insure recognition. The bicycle craze has now penetrated every part of the
country. The army of riders has invaded the South,

The Phonograph in Court.
A case recently came up in a New York court where an owner, suing for damages from a railruad company for injury done his property by the noise of passing trains, sought to introduce the phonograph, and thus give to the court direct and practical evidence of the suund vibrations caused by the locomotives and cars


A BICYCLE BRIDGE AT TACOMA, WASHINGTON.
East and West, carrying the desire for better roads into as they were propagated in the apartments of the every rural hamlet, so that it really seems as though $\begin{aligned} & \text { plaintiff. The court did not finally rule upon the ad- }\end{aligned}$ the future of good roads was assured. It is very satisfactory to note that the good roads movement is not confined to the East, but is very largely in evidence in the far West.
We present an engraving of a cycle bridge at Tacoma, Washington. We are indebted for the photograph as well as the following particulars to Mr. E. Irving Halstead, secretary-treasurer of the Washington) divi sion of the L. A. W.

Many people from the East visit Tacoma every summer. A good proportion of them are wheelmen, and they were surprised to learn in the early part of 1896 that the Wheelmen's Association had decided upon the bridging of the gulch in the southern part of the city which leads to the good roads beyond. The nature of the riding district makes the bridging of the gulch of more importance than the casual visitor may imagine. The opening of the elevated cycle path, which had been built the preceding year, was the means of lengthening the cycle path, so that the riders have now four miles of excellent cycle path from the bridge direct to prairie roads. Since the completion of the bridge, which is the largest cycle bridge in the world, the wheelmen cannot understand how they managed to get to the prairie roads by the inconvenient old route. Many of the citizens were opposed to the building of a cycle path. There was an argument as to how the bicycle license money should be expended, and it was finally decided to construct the bridge. Some few hundreds of the wheelmen objected to the license be ing enforced: but they soon saw the benefits derived from the levy, and to-day there is not one of the 2,500 wheelınen who objects to the payment of the $\$ 1$ per annum license.

The length of the bridge at the roadway is 330 feet, the height 110 feet, the width at the top 12 feet, the width at the bottom 50 feet. The trestle is built of $8 \times 8$ timbers thoroughly braced, the bents being 20 inches apart. The total cost of the bridge and approach was $\$ 984.50$.

The management of the local road improvements at Tacoma is admirably divided between the Wheelmen's Association and the L. A. W. The former attend to all the improvements within the city limits and the L. A. W. officials take care of the outside work. The road committee is now at work with new propositions for the convenience and accommodation of the riders, and, as a result of their labors, there will be several small bridges built in Tacoma. Those constructed under the supervision of the $L$. A. W. will bear neatly painted signs. The wheelmen of the district desire to demonstrate their banding together for concerted action. The bridge is a fine example of what good re sults a little money judiciously expended could produce. It should be an incentive to those interested in good roads to prosecute the work.

The Paris Fire Brigade authorities are said to be quietly carrying out some trials with a hose van propelled by means of a petroleum motor,
missibility or non-admissibility of such evidence, hold ing the point open for $f$ urther consideration as the case progressed.

## GOOD WORX IN CHIMNEY MOVING

The accompanying illustration is made from a photograph which represents the recent successful moving of a large chimney owned by the Manhanset Improvement Company, at Manhanset, Shelter Island, Suffolk County $N$. The chimney is 85 feet hirl and 7 feet square at base, with outer and inner walls 8 inches thick; it weighs nearly 100 tons. It was moved about 950 feet over very rough ground and quite a grade, both up and down. The picture shows clearly the construction of the cradle trusses, etc. The cradle rested on two skids greased on the under side and sliding on greased blocks. The purchase used was a chain capstan, and one horse at 180 fold, and the time occupied in loading and moving was only nine days, with the labor of only four men besides the contractors, W. H. \& C. P. Topping, of Bridgehampton, N. Y. The chimney was placed on its new foundation without a particle of harm. This is the second chimney of the above description moved by the same contractors. The first one was 52 feet high, at Bridgehampton, and in both cases the work was completed without accident.

Two New York
Elephants.
Among some animals reAntly received at the Central Park, New York, was a big elephant named Jewel. As the elephant was being aken through the streets o the Park, accompanied by a crowd of people at a respectful distance, and with her legs so chained that she could take only short steps, she stopped and attempted to turn back, dragging her keeper back, dragging her keeper
a little distance, until he stopped her retreat by tying her to an electric light pole. Thus leaving her in charge of an attendant, the keeper hastened

moving a chmaney at manhanset ir. Y.

