



eter. The whole cable is twisted and runs in grooves cut in the driving or driven pulleys or sprockets.
The lower section of the cable is carried up over an idle pulley placed close to the face of the driving sprocket, and sent out, formulating their plans as follows:
"We recommend that each State and Territory form an association for itself, the plan of organization in each case to be such as is best suited to local con-

The Several Roads From Johnstown to Pittsburgh.
(The notched lines are intended to roughly indicate the location of the chief mountains.)

Johnstown. The southerly route, indicated by a dotted line, has been a long-standing favorite with me up to and including last year; the stroke line shows the zigzag route I followed last month; of the plain-line roads I have no recent personal knowledge.

The former I described in substance as follows a year ago:

(1) TO PITTSBURG, VIA YOUNGSTOWN AND GREENSBURG.

We start out of Johnstown down Franklin street, up South street, L into the winding road that climbs up the side of the mountain on which Grand View Cemetery is located; and from the summit, among the graves, we give a last look at the gorgeous

know that he was the designer also of the old Bank of Philadelphia and of the Bank of the United States, in our city?

One mile and a quarter beyond this X is St. Xavier, on a rough but rideable elevation; and two miles ahead is Huckleberry Hill, practically our last ascent of any importance. Near its summit, amid the loose stones of its rocky bed, we take breath at Denison's Postoffice (37 1/4 m.) and after

beneath, where the Conemaugh first showed man a level course across the range, make up for the wayfarer a beautiful diorama which brings him to Nineveh (Seward P. O.) altogether too soon.

"Too soon" for more reasons than one; for here (10 m from start) the new pike gives way to the old-time poor, loose, stony roadway.

Turn L into the village for the distance of one block: R past railroad

See Trip 33