

Mr. GERMANY. Well, I do not think you would gain anything either way, because you would lose some time in taking your oil out of the pipe line and putting it in the barge, and then you lose the use of that barge while it is standing there unloading; so the next barge would get across in about the same time.

Mr. RANKIN. He is presuming that the pipe is down to the western terminus of the canal, but you brought it in barges and carried it on through in barges; and you pointed out yesterday that you could put enough barges on that route to carry all the oil used in the United States.

Mr. GERMANY. That is right; and you can put enough pipe lines across there to do the same thing.

Mr. RANKIN. And it would take 30 pipe lines——

Mr. GERMANY. Not 30.

Mr. RANKIN. I mean to handle your production.

Mr. GERMANY. It depends on the size and the pressure you maintain on your pipe line.

Mr. RANKIN. You say that a 10 $\frac{3}{4}$ -inch pipe line will carry 50,000 barrels a day?

Mr. GERMANY. Of crude oil.

Mr. RANKIN. Yes.

Mr. GERMANY. That is right.

Mr. RANKIN. Now, Texas alone produces 1,500,000 barrels, and it would take 30 pipe lines to carry that production; but if you have this barge line through you can take the whole amount on the barges?

Mr. GERMANY. That is correct, if you put enough barges on.

Mr. RANKIN. And you can do that without crowding them; can you not?

Mr. GERMANY. That is up to these Army engineers. They answered that question for you yesterday. I cannot tell you that. I do not know anything about barge transportation except what we have gotten from the engineers.

Mr. RANKIN. We figured yesterday that with barges traveling 3 miles an hour you could put enough barges on, where there is no shortage of water, to take care of that production on this route.

Mr. GERMANY. That is a matter that you can figure out with pencil.

Mr. RANKIN. We figured all that out. Of course, you have to pipe it down there and then unload it and put it on the barge, and that is a slow process.

Mr. GERMANY. I think the barge transportation from Port Arthur to Norfolk would run about 32 or 33 days, if we had the canal clear through there, and I think, even with the pipe-line arrangement and the amount of oil we are talking about, with three of those 10 $\frac{3}{4}$ -inch lines, you could still move your barrels of oil——

The CHAIRMAN. In practically the same time?

Mr. GERMANY. About the same time. Of course, you could crowd those pipe lines where you could not take enough. It would not be practical to build 30 pipe lines across there.

Mr. HALL. Is there any thought of transporting 1,600,000 barrels by barge alone?

Mr. GERMANY. I do not know what people have in their minds.

Mr. HALL. Do you think it is practicable?

Mr. GERMANY. Yes; I think ultimately it may take the place of other kinds of transportation of oil, if you complete this canal all