

canal at such places will be inaccessible, at many places it will be much incommoded, and interrupted at nearly all other.

The inconvenience and expense of erecting warehouses and forming basins and other appendages to the canal will be much increased by the proximity of the rail road.

All the circumstances combine to deprive the canal of the benefits it would otherwise enjoy from a free and uninterrupted intercourse with the country, and they have a direct tendency to injure its commerce.

Respectfully submitted,

Signed,

ALFRED CRUGER,

Civil Eng'r. Ches and Ohio Can.

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Extract of a letter from a gentleman in Glasgow, to his correspondent in Liverpool.

"My Dear ELLIS:—I have considered your friend Mr. Smith's letter to you of the 1st instant, containing an extract from his uncle's letter. The account alluded to as to the twin boats which performed a voyage by the Canal between Edinburgh and Glasgow, was quite correct, except that of stating the boat to have been propelled by steam, instead of being drawn by horses. This was merely a trial voyage to ascertain how far it was practicable to construct a boat to pass along two Canals, one about 60 feet wide on its water surface, and the other 40 feet, without such a surge on the banks or slopes of the Canal as to be prejudicial to the navigation, and was completely proved in the affirmative; for when the boat went at the rate of ten miles an hour, with 33 passengers and their luggage she skimmed along the surface of the water without causing any surge on the sides of the canal; but when the boat went only at the rate of about seven miles an hour, the surge was considerable at this slow rate—a gradual swell of water kept moving in front of the boat, until the speed was increased so as to top or get over the rise of water. The Forth and Clyde canal companies are just now about to start a boat for carrying passengers to ply between Edinburgh and Glasgow, and to be drawn by horses, being a distance by the two canals of 56 miles, which they expect to accomplish in six or seven hours, including the passing of 15 locks, and other stoppages. This boat is a light single boat, or what is called a gig boat. They are also building at Man-