Hydrolysis of Acid Chlorides

Reaction:

\[
\text{H}_2\text{O} \quad \text{HCl} \quad \rightarrow \quad \text{H}_2\text{O} \quad \text{HO} - \quad + \quad \text{H}^+ \quad + \quad \text{Cl}^- \\
\]

Mechanism:

Not a good way to synthesize a carboxylic acid. The mechanism is an example of a tetrahedral intermediate undergoing rearrangement arrangement in to end up as a carbonyl.