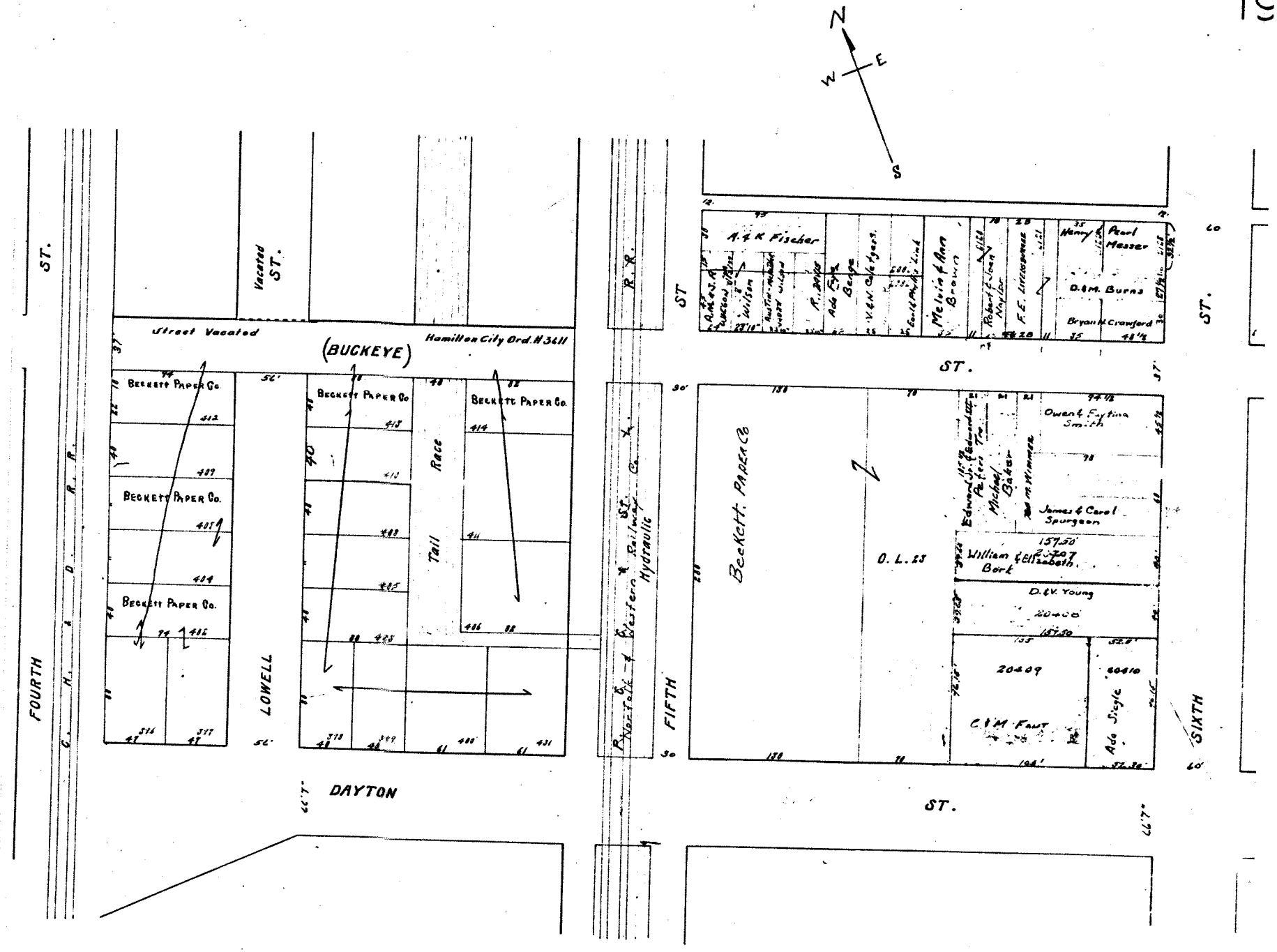HAMILTON WARD-3