The following are excerpts from Leslie Bradley's war service record, beginning with his arrival at St. Nazaire, France on February 11, 1915 – the first use of German gas

- Participated in the Battles of Givenchy and Festubert, May & June, 1915
- Promoted to rank of Corporal, June 22, 1915
- Promoted to rank of Lance Sergeant, August 1, 1915
- Granted seven days leave, November 2, 1915
- Attached to 1st Cdn. Div. Training School, January 22, 1916
- Admitted 3rdCdn. General Hospital, Boulogne, gun shot wound right leg & arm, March 10, 1916 Battle of Sorrel
- Discharged hospitals, August 2, 1916
- Taken on strength 36th Reserve Battalion, West Sanding, October 8, 1916
- Transferred to 4th Battalion, in the field, October 27, 1916
- Admitted No. 39 General Hospital, LeHavre, December 3. 1916, VDS
- Rejoined 4th Battalion, in the Field, March 13, 1917
- Promoted to rank of Sergeant, May 4, 1917
- Admitted #6 Casualty Clearing Station, concussion, blown up by a shell, neurosis, November 6, 1917
- at the Battle of Passchendaele
- Awarded Military Medal for bravery and devotion, December 23, 1917 for actions at the Battle of Passchendaele
- Rejoined 4th Battalion, in the Field, November 19, 1917
- Granted 14 days leave, December 16, 1917
- Promoted to rank of Company Sergeant-Major and warrant officer Class 11, December 20, 1917
- Awarded the Belgium Croix de Guerre for bravery on the battlefield, July, 1918
- Admitted No. 32 Stationary Hospital, GSW thumb amputated, September 27, 1918 Battle of Canal du Nord
- Returned to Canada, S.S. Empress of Britain, Liverpool to Halifax, February 17, 1919
- Discharged Toronto as "Medically Unfit" March 28, 1919