# Replication guide and data documentation for "Advantage of Backwardness? The Coercive Imbalance Outside Western Europe"

August 16, 2023

## 1 Overview

This replication package contains all the data sets and Stata do-files necessary to replicate the results of the paper "Advantage of Backwardness? The Coercive Imbalance Outside Western Europe" by Jacob Gerner Hariri and Asger Mose Wingender. We provide guidelines for replication in Section 2 below. The rest of this document contains data documentation.

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## 2 Replication

To reproduce the tables and figures of the paper, the do-files supplied in this package must be run in the following order (run times on a reasonably new laptop in parentheses):

1. coercive_imbalance_packages.do: Installs required Stata programs. The packages are blindschemes, ftools, ivreg2, ivreghdfe, nearmrg, outreg2, ranktest, reghdfe, resize, and xtabond2 (run time: 30 seconds).
2. coercive_imbalance_prepare_data.do: Prepares the raw data in the folder "coercive_imbalance_raw" for analysis. Can be skipped to save time as we provide the resulting data set in this package in the folder "coercive_imbalance_final" (run time: 30-60 minutes).
3. coercive_imbalance_results.do: Produces all tables and figures in the article and online appendix and saves them in the folders "coercive_imbalance_tables" and "coercive_imbalance_figures" (run time: $<$ 10 minutes).

IMPORTANT: In order to run do-files 2 and 3, the current directory needs to be set to the location of the do-file. Please follow the instructions at the top of each do-file.

All steps have been performed using Stata 17 on a Windows 10 laptop. Some data sets and Stata routines may not be compatible with earlier versions of Stata. We provide csv versions of the raw data sets in the folder "coercive_imbalance_raw". We provide a csv version of the data set used in the main analysis in the folder "coercive_imbalance_final".

# 3 Data Availability and Provenance Statements

This section provides a brief description of the data sets used in the paper. With the exception of the Banks CNTS data, all data sets are publicly available free of charge, and can be accessed at their original sources as described below. Unless otherwise stated, codebooks for the data sets can be found by following the URLs to the original sources. We also provide the data sets in the folder "coercive_imbalance_raw". The list below is ordered alphabetically by the file names used in that folder.

### Agricultural Employment Share

*File name:* aes.dta
*Description:* Share of labor force employed in agriculture. Used to proxy for industrialization, one of four measures of modernization used in the article.
*Source:* Wingender (2014).
*URL:* https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2533360

### Foreign Aid from DAC Countries

*File name:* aid_dac_countries.dta
*Description:* Net inflow of foreign aid from DAC countries. Used in a robustness check in the appendix.
*Source:* World Development Indicators (n.d., accessed February 24, 2021).
*URL:* https://databank.worldbank.org/source/world-development-indicators

### Banks CNTS Domestic Conflict Data

*File name:* BanksCNTS2017.dta
*Description:* We use the domestic conflict events to generate a measure of regime reistance.
*Source:* Accessed via the Royal Danish Library (Det kongelige bibliotek). Requires subscription and therefore not included in the replication dataset.
*URL:* https://www.kb.dk/en

### Boix-Miller-Rosato Indicator of Democracy, version 4.0

*File name:* BoixMillerRosato-v4.dta
*Description:* The binary BMR-democracy indicator, used in robustness checks.
*Source:* Boix *et al.* (2013, v.4.0)
*URL:* https://doi.org/10.7910/DVN/FENWWR

**Country Codes**

*File name:* country_codes.dta
*Description:* Auxiliary data to facilitate merging of data set. The data set is mainly used as a crosswalk between iso3 codes and the country codes used in the Correlates of War data sets. The data set also contains information on which continent and in which sub-region a country is located.
*Source:* n/a
*URL:* n/a

**Formal Alliances, version 4.1 (Correlates of War)**

*File name:* COW_alliances.dta
*Description:* This data set records all formal alliances among states between 1816 and 2012, including mutual defense pacts, non-aggression treaties, and ententes. This data set is hosted by Douglas Gibler, University of Alabama.
*Source:* Gibler (2008, v.4.1)
*URL:* https://correlatesofwar.org/data-sets/formal-alliances

**Direct Contiguity, version 3.2 (Correlates of War)**

*File name:* COW_contiguity_2010.dta
*Description:* The Direct Contiguity data set registers the land and sea borders of all states since the Congress of Vienna, and covers 1816-2016. This data set is hosted by Paul Hensel, University of North Texas. We only use an extract from 2010 in our paper.
*Source:* Stinnett *et al.* (2002, v.3.2)
*URL:* https://correlatesofwar.org/data-sets/direct-contiguity

**Information Capacity**

*File name:* information_capacity.dta
*Description:* The Information Capacity Dataset offers numerical data on institutions and policies that modern states use to collect information about their populations and territories, including, (*i*), the regular implementation of a reliable census, (*ii*), the regular release of statistical yearbooks.
*Source:* Brambor *et al.* (2020)
*URL:* https://datafinder.qog.gu.se/dataset/icd

**Inter-State War Data, version 4.0 (Correlates of War)**

*File name:* COW_interstate_wars.dta
*Description:* The Correlates of War (COW) Project has utilized a classification of wars that is based upon the status of territorial entities, in particular focusing on those that are classified as members of the inter-state system (referred to as "states"). This dataset encompasses wars that take place between or among the recognized states, or inter-state wars.
*Source:* Sarkees and Wayman (2010)
*URL:* https://correlatesofwar.org/data-sets/COW-war

**Intra-State War Data, version 5.1 (Correlates of War)**

*File name:* COW_intrastatewar_v51.dta
*Description:* The Correlates of War (COW) Project has utilized a classification of wars that is based upon the status of territorial entities, in particular focusing on those that are classified as members of the inter-state system (referred to as "states"). This dataset encompasses wars that predominantly take place within the recognized territory of a state, or intra-state wars.
*Source:* Sarkees and Wayman (2010)
*URL:* https://correlatesofwar.org/data-sets/COW-war

**National Material Capabilities, version 6.0 (Correlates of War)**

*File name:* COW_NMC-60-abridged.dta
*Description:* Power is considered by many to be a central concept in explaining conflict, and six indicators - military expenditure, military personnel, energy consumption, iron and steel production, urban population, and total population - are included in this data set. It serves as the basis for the most widely used indicator of national capability, CINC (Composite Indicator of National Capability) and covers the period 1816-2016.
*Source:* Singer (1988, v.6.0)
*URL:* https://correlatesofwar.org/data-sets/national-material-capabilities

**International Trade, version 4.0 (Correlates of War)**

*File name:* COW_trade_4.dta
*Description:* This data set tracks total national trade and bilateral trade flows between states from 1870-2014. This data set is hosted by Katherine Barbieri, University of South Carolina, and Omar Keshk, Ohio State University.
*Source:* Barbieri *et al.* (2009, 2016, v.4.0)
*URL:* https://correlatesofwar.org/data-sets/bilateral-trade

**GeoDist**

*File name:* dist_cepii.dta
*Description:* GeoDist provides several geographical variables, in particular bilateral distances measured using city-level data to account for the geographic distribution of population inside each nation. Different measures of bilateral distances are available for 225 countries.
*Source:* Mayer and Zignago (2011)
*URL:* http://www.cepii.fr/CEPII/en/bdd_modele/bdd_modele_item.asp?id=6

**HYDE (History Database of the Global Environment) population data, version 3.1**

*File name:* hyde_pop.dta
*Description:* Country aggregates from the HYDE database. HYDE is and internally consistent combination of updated historical population (gridded) estimates and land use for the past 12,000 years. We use the estimates in the few countries and years where we do not have actual population data from the National Material Capabilities data set (see above).
*Source:* Klein Goldewijk *et al.* (2011)
*URL:* https://www.pbl.nl/en/image/hyde

**Maddison Project Database 2018**

*File name:* maddison_gdp.dta
*Description:* The Maddison Project Database provides information on comparative economic growth and income levels over the very long run. The 2018 version of this database covers 169 countries and the period up to 2016.
*Source:* Bolt *et al.* (2018)
*URL:* https://www.rug.nl/ggdc/historicaldevelopment/maddison/releases/maddison-project-database-2018

**Arms Technology**

*File name:* mtech_raw.dta
*Description:* Our main data set. See Section 3 of the main paper, appendices A and B, and Section 5 below for further details.
*Source:* See Section 5 of this readme-file for the list of sources.
*URL:* n/a

**Arms Prices**

*File name:* prices.dta
*Description:* Data collected by the authors, see Appendix A.3 Hariri and Wingender (2023) for details.
*Source:* n/a
*URL:* n/a

**Varieties of Democracy (V-Dem), version 10**

*File name:* VDem10_extract.dta
*Description:* Extract from the V-Dem database (the data set is too large to include in its entirety here). We use the V-Dem variable v2x_polyarchy as an alternative measure of democarcy in the appendix. We use the variables v2reginfo and v2regendtype in our analysis of military coups and other instances of regime change in autocracies in Section 7.2 of the main paper.
*Source:* Coppedge *et al.* (2020)
*URL:* https://doi.org/10.23696/vdemds20

# 4 List of variables in the final data set

**Country, sample, and period identifiers**

- *country*: Country name.
- *iso3*: ISO3 country code.
- *countryno*: Numerical country identifier corresponding to the ISO3 code.
- *ccode*: Correlates of War country code.
- *country_id*: V-DEM country ID.
- *continent*: Continent identifier. Codes Africa, Americas, Asia and Oceania, and Europe.

- *region*: Region identifier. Codes Asia and Oceania, Eastern Europe and Balkan, Latin America, Middle East and North Africa (MENA), Sub-Saharan Africa, Western Europe and offshoots.
- *weu*: Dummy which is one if country is located in Western Europe or is one of four offshoots
- *coldwar*: Dummy for Cold War-years, defined here as 1947-1991.
- *year*: Year of observation.

**Military technology and instruments**

- *mtech*: The formative arms technology index. Counts the number of technologies adopted by the country in any given year. Values are missing if we lack information on just one of the underlying technologies
- *mtech_exf*: The military technology index excluding small arms.
- *mtech_exf_weu*: The formative arms technology index excluding small arms for countries in Western Europe (and offshoots).
- *mtech_sa*: Formative arms technology index including only small arms.
- *lagwe_mtech*: The number of years that a country outside of Western Europe lags behind the average Western European country in arms technology (the arms technology index, *mtech*).
- *lagwe_mtech_exf*: The number of years that a country outside of Western Europe lags behind the average Western European country in arms technology excluding small arms (the arms technology index excluding firearms, *mtech_exf*).
- *lagwe_mtech_s*: The number of years that a country outside of Western Europe lags behind the average Western European country in small arms technology (the formative arms technology index including only small arms, *mtech_sa*).
- *lagwe_mtech_exf_weu*: Arms technology lag excluding small arms (*lagwe_mtech_exf*) multiplied by an indicator for Western European countries.
- *index_irt_exsa*: Reflective arms technology index (excluding small arms) generated using (IRT).
- *index_irt_exsa_weu*: Reflective arms technology index (excluding small arms) for countries in Western Europe generated using (IRT).
- *lagwe_mtech_av*: Arms technology lag to Western Europe (av. 1960-2010).
- *lagwe_lngdpc_av*: Log GDP per capita lag to Western Europe (av. 1960-2010).
- *mtech_exf_iv_n2*: Distance-weighted technology adoption (excluding small arms) in non-neighboring countries that are not great powers. Instrumental variable for the formative arms technology index (excluding small arms), *mtech_exf*. See section 5.1 of the article and online appendix C.3 for details.
- *distw2_index_irt_exsa*: Distance-weighted IRT arms technology adoption (instrument)

- *lagwe_mtech_exf_iv_n2*: Distance-weighted technology adoption (excluding small arms) in non-neighboring countries that are not great powers. Main instrumental variabel used as instrument for *lagwe_mtech_exf*.

- *lagwe_mtech_exf_iv_n2_500*: Distance-weighted technology adoption in non-great powers, which are further away than 500 km. Used as an alternative instrumental variabel for *lagwe_mtech_exf*.

- *lagwe_mtech_exf_iv_n2_750*: Distance-weighted technology adoption in non-great powers, which are further away than 750 km. Used as an alternative instrumental variabel for *lagwe_mtech_exf*.

- *lagwe_mtech_exf_iv_n2_1000*: Distance-weighted technology adoption in non-great powers, which are further away than 1,000 km. Used as an alternative instrumental variabel for *lagwe_mtech_exf*.

- *lagwe_mtech_exf_iv_n2_pop*: Distance-weighted and population-weighted technology adoption in non-neighboring countries that are not great powers. Used as an alternative instrumental variabel for *lagwe_mtech_exf*.

- *lagwe_mtech_exf_iv_n1*: Distance-weighted technology adoption in non-great powers; including neighboring countries. Used as an alternative instrumental variabel for *lagwe_mtech_exf*.

- *distw2_index_irt_exsa*: Distance-weighted IRT arms technology adoption (excluding small arms). Instrumental variable for the reflective IRT arms technology index.

- *r3_iv_n2*: The distance-weighted adoption rate of first generation jet fighters in foreign countries. Used to illustrate the construction of the instrumental variable in Online Appendix C.3.

- *m2_iv_n2*: The distance-weighted adoption rate of automatic machine guns in foreign countries. Used to illustrate the construction of the instrumental variable in Online Appendix C.3.

- *adoptionyears1*: The year the matchlock musket was adopted by a given country. The suffix *...s1* is an acronym for "*s*mall arms *1*", indicating the adoption year for this arms technology. See the section "prefixes and suffixes" for a complete list of "adoption year"-suffixes.

- *firstuses1*: The year the matchlock musket was first used adopted by a given country. The suffix *...s1* is an acronym for "*s*mall arms *1*", indicating the first use of this arms technology. See the section "prefixes and suffixes" for a complete list of "first use"-suffixes.

- *s1_use*: A dummy which is "one" from the year in which the matchlock musket was first used in a country. The prefix *s1_...* is an acronym for "*s*mall arms *1*", indicating the first year of use for this arms category. See the section "prefixes and suffixes" for a complete list of arms technology "use"-prefixes.

**Political regime, bureaucracy, and regime resistance**

- *v2x_polyarchy*: Electoral democracy index from V-Dem. Ranges from 0 (least democratic) to 1 (most democratic) (Coppedge *et al.* 2020).

- *democracy*: The Boix *et al.* (2013) democracy indicator. "Zero" is autocracy; "one" is democracy.

- *v2x_pubcorr*: Public sector corruption-index from V-Dem (Coppedge *et al.* 2020).
- *v2x_corr*: Political corruption-index from V-Dem (Coppedge *et al.* 2020).
- *v2x_execorr*: Executive corruption-index from V-Dem (Coppedge *et al.* 2020).
- *v2clrspct*: A measure of the extent to which the public administration is rigorous and impartial (Coppedge *et al.* 2020).
- *v2csreprss*: A measure of the extent to which the government attempts to repress civil society organizations (Coppedge *et al.* 2020).
- *v2clkill*: A measure of the extent to which there is freedom from political killings by state agents without due process of law for the purpose of eliminating political opponents (Coppedge *et al.* 2020).

**Other variables**

- *lngdpc*: Log GDP per capita from the Maddison Project (Bolt *et al.* 2018).
- *lagwe_lngdpc*: The number of years that a country outside of Western Europe lags behind the average Western European country in economic development ( *lngdpc*).
- *schooling*: Total years of schooling, population 15-64, from the Lee-Lee Long Run Education Dataset, an updated version of the dataset from (Barro and Lee 2014).
- *lagwe_schooling*: The number of years that a country outside of Western Europe lags behind the average Western European country in educational attainment (*schooling*).
- *naes*: Non-agricultural employment share. Used as a proxy for industrialization (Wingender 2014).
- *lagwe_naes*: The number of years that a country outside of Western Europe lags behind the average Western European country in industrialization, non-agricultural employment share ( *naes*, (Wingender 2014)).
- *aes*: Agricultural employment share (Wingender 2014).
- *ups*: Urban population share.
- *lagwe_ups*: The number of years that a country outside of Western Europe lags behind the average Western European country in urbanization, urban population share ( *ups*).
- *census*: The year the first modern census was conducted in a country. As defined by Brambor *et al.* (2020).
- *yearbook_published*: The first year in which a statistical yearbook was published in a country (Brambor *et al.* 2020).
- *Diplomacy*: The year in which a country has diplomatic relations across four different continents.
- *University*: The year the first university established in a country.
- *lnmilex*: Log military expenditure from the Correlates of War (Singer 1988, v.6.0).

- *lnmilper*: Log military personnel from Correlates of War (Singer 1988, v.6.0).
- *tpop*: Total Population from Correlates of War (Singer 1988, v.6.0).
- *interstatewar_3y*: Dummy which is "one" if country has been part of interstate war in last three years (Palmer *et al.* 2015, v.4.0).
- *n1_interstatewar*: Dummy which is "one" if a neighboring country experiences interstate war (Palmer *et al.* 2015, v.4.0).
- *n2_interstatewar*: Dummy which is "one" if a neighbor's neighboring country experiences interstate war (Palmer *et al.* 2015, v.4.0).
- *distw1_interstatewar*: Distance-weighted interstate war (Palmer *et al.* 2015, v.4.0). Calculated in the same way as the instrumental variable (distance-weighted arms technology adoption). See online appendix C3 for details.
- *civilwar_3y*: Dummy which is "one" if country has experienced civil war in last three years (Sarkees and Wayman 2010).
- *n1_civilwar*: Dummy which is "one" if a neighboring country experiences civil war (Sarkees and Wayman 2010).
- *n2_civilwar*: Dummy which is "one" if a neighbor's neighboring country experiences civil war (Sarkees and Wayman 2010).
- *distw_civilwar*: Distance-weighted civil war (Sarkees and Wayman 2010) Calculated in the same way as the instrumental variable (distance-weighted arms technology adoption). See online appendix C3 for details.
- *ally_Russia*: Dummy taking the value 1 of country is in a formal alliance with Russia/USSR. From Correlates of War (Gibler 2008, v.4.1).
- *ally_USA*: Dummy taking the value 1 of country is in a formal alliance with the United States. From Correlates of War(Gibler 2008, v.4.1).
- *lntrade*: Log (imports + exports) in dollars from Correlates of War (Barbieri *et al.* 2009, 2016, v.4.0).
- *lnaid*: Log foreign aid from DAC countries. From World Development Indicators database.
- *le_total_oil_income_pc*: Total oil income per capita (log). Retrieved from V-DEM. (Coppedge *et al.* 2020).
- *le_total_resources_income_pc*: Total natural resource p.c. (log). Retrieved from V-DEM. (Coppedge *et al.* 2020).
- *independent*: String specifies if country in year is independent.
- *colony*: Dummy for being a former colony. Source: GeoDist (Mayer and Zignago 2011).
- *colony_we*: Dummy for being a former colony of a Western European country. Source: GeoDist (Mayer and Zignago 2011).

- *colony_ussr*: Dummy for being a part of the USSR. Source: GeoDist (Mayer and Zignago 2011).
- *colony_fra*: Dummy for being a former French colony. Source: GeoDist (Mayer and Zignago 2011).
- *colony_ger*: Dummy for being a former German colony. Source: GeoDist (Mayer and Zignago 2011).
- *colony_uk*: Dummy for being a former British colony. Source: GeoDist (Mayer and Zignago 2011).
- *colony_rest*: Dummy for being a former colony of a Western European country other than UK, France, or Germany. Source: GeoDist (Mayer and Zignago 2011).

**Prefixes and suffixes**

Several variables in the data set come in multiple variants as indicated by prefixes and suffixes. These are:

- *n1_*[*varname*]: The value of the variable in neighboring countries. For dummies, n1_ variables take the value 1 if the underlying dummy is 1 in at least one neighboring country. For continuous variables (e.g., log GDP / capita), n_1 variables are aggregates of all neighboring countries (in the case of log GDP/capita it is the sum of GDP in al neighboring countries divided by their total populations).
- *n2_*[*varname*]: The same as *n1_*[*varname*], but for 2nd neighbors. 2nd neighbors of country $i$ are defined as nonadjacent countries that share a border with a country neighboring country $i$.
- [*varname*]*_3y*: Only used for dummy variables. Takes the value 1 if the event has happened in the past three years.
- *distw1_*[*varname*]: Distance-weighted values of variable in foreign countries constructed as we construct our instrument (see Section 5.1 of the main paper and online appendix C.3). The "1" signifies that we include adjacent countries in the *distw1_* variables. Adjacent countries are omitted when we construct the instrument.
- *adoptionyear_*[*technology acronym*]: Indicates the year in which a given technology (identified by its acronym) was adopted in a country.

  The acronyms are as follows:

  s1: matchlock musket. s2: Snaphaunce. s3: Flintlock musket. s4: Percussion lock musket. s5: Minie bullet rifle. s6: Breech-loading rifle. s7: Tubular magazine. s8: Box magazine. s9: Assault rifle.

  m1: Hand-cranked machine gun. m2: Automatic machine gun.

  a1: Field guns. a2: Rifled artillery. a3: Steel tubes. a4: Breech-loading cannon. a5: Recoil mechanism.

  t1: Early tank. t2: WWII tank. t3: 1st generation main battle tank. t4: 2nd generation main battle tank. t5: 3rd generation main battle tank.

r1: Early attack aircraft. r2: WWII attack aircraft. r3: 1st generation jet fighter. r4: 2nd generation jet fighter. r5: 3rd generation jet fighter. 4th generation jet fighter.

h1: 1st generation helicopter. h2: 2nd generation helicopter.

- *firstuse_*[*technology acronym*]: Indicates the year in which a given technology (identified by its acronym) was adopted in a country.
- *technology acronym_*[*use*]: A dummy which is "one" from the year in which a given technology is adopted or in use in a country (as indicated by *adoptionyear* or *firstuse*).

# 5 Data sources for the military technology data set

Our military technology data set is based on information from more than 400 different sources, not counting multiple issues of yearbooks and other periodicals. Below, we first describe the main data sources covering a large number of countries and technologies. We then provide references to all the supplemental sources for specific countries.

## 5.1 Main sources

In chronological order with years covered in parenthesis.

### 5.1.1 Almanach de Gotha (issues 1840-1923)

*Description:* A directory of Europe's royalty and higher nobility, which also contains statistical data by country as well as a description of military organization and equipment. Published annually by Justus Perthes (Gotha).
*Accessed:* Archive.org

### 5.1.2 Stateman's Yearbook (issues 1864-1923)

*Description:* A yearbook with descriptive and statistical information by country. Published by McMillan (London)
*Accessed:* Archive.org

### 5.1.3 Jane's Information Group (1909-2010)

*Description:* We use data from various issues of the following yearbooks published by Jane's Information Group (currently known as Janes): Jane's Infantry weapons, Jane's all the worlds aircraft, and Jane's armour and artillery.
*Accessed:* The Danish Defence Library

### 5.1.4 The League of Nations' Armament Yearbook (1924-1940)

*Description:* Yearbook published by the League of Nations. Mostly useful for assessing inventories of tanks and aircraft.
*Accessed:* `https://digital.nls.uk/league-of-nations/archive/195479746`

### 5.1.5 Zarzecki (1945-2000)

*Description:* Compiles adoption years for main battle tanks, jet fighters and combat helicopters. This our main source for these types of technologies along with SIPRI (see below)
*Accessed:* Zarzecki (2002)

### 5.1.6 SIPRI Arms Transfers Database (1950-2010)

*Description:* The Stockholm International Peace Research Institute (SIPRI) database on international arms transfers. Covers all major arms systems, but not small arms.
*Source:* https://www.sipri.org/databases/armstransfers

### 5.1.7 The Military Balance (1961-2010)

*Description:* The International Institute for Strategic Studies' annual assessment of the military capabilities and defence economics worldwide.
*Source:* The Danish Defence Library

## 5.2 Country-specifc sources

Some sources are used for observations in multiple countries. Note also that some sources pertains to political units that are part of the data set, but not part of our analysis in the main paper due to lack of democracy data (e.g., pre-colonial states in Africa).

**Afghanistan**: Grant (1999); Wawro (2002); Roberts (2003); Macrory (2016)
**Albania**: Chamberlain and Ellis (1973); Elgood and Blackmore (1995); Pearson (1997, 2005); Chivers (2010b)
**Algeria**: Parry *et al.* (1975); Elgood and Blackmore (1995); Vandervort (1998); Chivers (2010b); Windrow (2010)
**Angola**: Abbott (1988); Kea (1971); Gann (1975); Thornton (1988, 1999); Comin *et al.* (2010); Macola (2010); Peers (2011); Stapleton (2013)
**Argentina**: Scientific American (1876-08-19); Menne and Smith (1938); Chamberlain and Ellis (1973); Myatt (1978); Andrade (1982); English (1984); Herwig (1986); Myatt (1989); Walter (1998); Rauch (1999); Miller (2005); Grant (2008); Insight Guides (2009); Chivers (2010b); Ball (2011); Peterson (2011); Chivers (2010b); Esposito and Rava (2015); Villanueva (2016); Militariarg.com (n.d.)
**Armenia**:
**Australia**: Bureau of the Census (1942, 1944, 1945, 1946); Stettinius (1944); Chamberlain and Ellis (1973); Walter (1998); Comin *et al.* (2010); Cashner and Noon (2013); Lithgow Small Arms Factory Museum (n.d.)
**Austria**: Mordecai (1860); Busk (1861); Taylor (1862); Ripley and Anderson Dana (1872); Owen (1874); Monthaye (1888); Chinn (1951); Chamberlain and Ellis (1973); Margiotta and Keegan (1994); Parker (1995); Black (1998); Walter (1998); Nielsen *et al.* (2001); Wawro (2002); Black *et al.* (2008); Morillo *et al.* (2009); Comin *et al.* (2010)
**Azerbaijan**:
**Bahamas**: Lithgow Small Arms Factory Museum (n.d.)
**Bahrain**: Walter (1998); Lithgow Small Arms Factory Museum (n.d.)
**Bangladesh**:
**Barbados**: Lithgow Small Arms Factory Museum (n.d.)

**Belarus**: Brzezinski (1987b, 1988); Margiotta and Keegan (1994); Frost (2000); Wawro (2002); Davies and Leland (2012)
**Belgium**: Bentley (1833); Kingsbury (1849); Busk (1861); Owen (1874); Monthaye (1888); Merritt *et al.* (1892); United States Adjutant-General's Office. (1902); Stone (1934); Engels (1959); Chamberlain and Ellis (1973); Hogg (1974); Myatt (1978, 1989); Walter (1998); Oakes (2002); Wawro (2002); Grant (2008); McLachlan *et al.* (2012)
**Belize**: Walter (1998); Lithgow Small Arms Factory Museum (n.d.)
**Benin**: Bosman (1705); Fourie (1968); Dupuy and Blanchard (1970); Kea (1971); Thornton (1999); Windrow (2010); Law (1976)
**Bhutan**: Dupuy and Blanchard (1970); Heath (1998); LaRocca (2006)
**Bolivia**: Scientific American (1876-08-19); Chamberlain and Ellis (1973, 1975); Andrade (1982); English (1984); Walter (1998); Farcau (2000); De La Pedraja (2006); Sater (2007); Ball (2011); Zaloga and Morshead (2015); Esposito and Rava (2016)
**Bosnia**: Longstaff and Atteridge (1917); Chamberlain and Ellis (1973); Parry *et al.* (1975); Walter (1998); Vuksic (2003); Kaushik (2014)
**Botswana**: Dupuy and Blanchard (1970); Atmore *et al.* (1971); Miers (1971); Stevens (1987); Stevens and Van Rutten (1981); Lithgow Small Arms Factory Museum (n.d.)
**Brazil**: Scientific American (1876-08-19); United States Adjutant-General's Office. (1902); Bureau of the Census (1942, 1944, 1945, 1946); Menne and Smith (1938); Chamberlain and Ellis (1973, 1975); Myatt (1978); Andrade (1982); Herwig (1986); Myatt (1989); Walter (1998); Rauch (1999); McCann (2003); Scheina (2003); Sater (2007); Grant (2008); Chivers (2010b); James (2012); Esposito and Rava (2015); Bisher (2016)
**Brunei**: Cashner and Noon (2013); Lithgow Small Arms Factory Museum (n.d.)
**Bulgaria**: Merritt *et al.* (1892); Corbin (1901); United States War Department (1905); Chinn (1951); Chamberlain and Ellis (1973, 1975); Margiotta and Keegan (1994); Elgood and Blackmore (1995); Kliment and Francev (1997); Walter (1998); Wawro (2002); Stocker and Grant (2003); Grant (2008); Bulgarian Artillery (n.d.)
**Burkina Faso**: Fourie (1968); Echenberg (1971); Stevens (1987); Stevens and Van Rutten (1981)
**Burundi**: Fourie (1968); Dupuy and Blanchard (1970); Stevens (1987); Stevens and Van Rutten (1981); Ajayi (1989); Peers (2011)
**Cabo Verde**:
**Cambodia**: Mouhot and Mouhot (1862); Walter (1998); Heath (2003)
**Cameroon**: Fourie (1968); Warnier (1980)
**Canada**: Bureau of the Census (1942, 1944, 1945, 1946); Chamberlain and Ellis (1973); Walter (1998); Vandervort (2006); Government of Canada (2017); Canadiansoldiers.com (n.d.)
**Central African Republic**: Nachtigal (1889); Fourie (1968); Fisher and Rowland (1971); Elgood and Blackmore (1995); Peers (2011)
**Chad**: Nachtigal (1889); Fourie (1968); Dupuy and Blanchard (1970); Fisher and Rowland (1971); Smaldone (1972, 1977); Elgood and Blackmore (1995); Clayton (1999); Comin *et al.* (2010)
**Chile**: Scientific American (1876-08-19); Chamberlain and Ellis (1973, 1975); Andrade (1982); English (1984); Herwig (1986); Albert and Henderson (1988); Walter (1998); Scheina (2003); Stocker and Grant (2003); Sater (2007); Grant (2008); Roberts (2012); Thombs (2012); Esposito and Rava (2016)
**China**: Wilson (1868); Scientific American (1876-08-19); US Government (1878); US government (1880); Menne and Smith (1938); Cipolla (1965); Chamberlain and Ellis (1973); Andrade (1982); Krause (1992); Peers (1992); Gander (1993); Black (1998); Walter (1998); Wawro (2002); Miller (2005); Walter (2006); Andersson (2008); Grant (2008); Chivers (2010b); Graff and Higham (2012); Roberts (2012); Kaushik (2014); Zaloga and Morshead (2015); Maximgun.de (n.d.)

**Colombia**: Monthly (1904); Bureau of the Census (1942, 1944, 1945, 1946); Andrade (1982); English (1984); Herwig (1986); De La Pedraja (2006); Thombs (2012); Museo Militar de Colombia (n.d.); McCracken Research Library (n.d.)
**Comoros**: Brown (1995)
**Congo Republic**: Fourie (1968); Gilbert and Joshua (1969); Chivers (2010b); Peers (2011)
**Costa Rica**: Scientific American (1876-08-19); Andrade (1982); Edelman and Hutchcroft (1984); English (1984); Walter (1998); Schoonover and Schoonover (2000); Ball (2011); Cruz (2016); McCracken Research Library (n.d.)
**Croatia**: Chamberlain and Ellis (1973); Parry *et al.* (1975); Nicolle and McBride (1983); Nicolle and Embleton (1983); Walter (1998); Vuksic (2003); Kaushik (2014)
**Cuba**: Chamberlain and Ellis (1973, 1975); Andrade (1982); English (1984); Thombs (2012); Spoelstra (n.d.)
**Cyprus**:
**Czech Replublic**: Titz and Ward (1971); Margiotta and Keegan (1994); Kliment and Francev (1997); Walter (1998); Miller (2005); Ball (2011)
**Democratic Republic of the Congo**: Fourie (1968); Vandervort (1998); Walter (1998); Thornton (1999); Macola (2010); Peers (2011); Stapleton (2013); Abbott (2014)
**Denmark**: Scientific American (1876-08-19); US government (1880); Monthaye (1888); Longstaff and Atteridge (1917); Menne and Smith (1938); Chinn (1951); Møller (1963); Chamberlain and Ellis (1973, 1975); Løvschall *et al.* (1977); Myatt (1978); Walbom-Pramvig (1986); Myatt (1989); Andersen (1991); Margiotta and Keegan (1994); Frantzen *et al.* (1997); Ford (1998); Walter (1998); Nielsen *et al.* (2001); Stevenson (2002); Schrøder (2004); Walter (2006); Forsvar (2008); Kongstad (2008); Chivers (2010b); Comin *et al.* (2010); Roberts (2012)
**Djibouti**: Dupuy and Blanchard (1970); Aregay (1980); Comin *et al.* (2010)
**Dominican Republic**: Andrade (1982); English (1984); Walter (1998); Thombs (2012); McCracken Research Library (n.d.)
**Ecuador**: Scientific American (1876-08-19); United States Adjutant-General's Office. (1902); Chamberlain and Ellis (1973, 1975); Andrade (1982); English (1984); Herwig (1986); Ball (2011); Centro de Estudios Históricos del Ejército (n.d.); McCracken Research Library (n.d.)
**Egypt**: Cipolla (1965); Nicolle and McBride (1983); Margiotta and Keegan (1994); Chamberlain and Ellis (1973); Parry *et al.* (1975); Krause (1992); Zaloga and Katz (1996); Dunn (1997); Walter (1998); Stocker and Grant (2003); Glick *et al.* (2005); Chivers (2010b); Meredith (2014)
**El Salvador**: English (1984); Walter (1998); Kohn (1999); Holden (2004); Ball (2011); Gillespie (2011); Schoonover (2012); Bisher (2016); McCracken Research Library (n.d.)
**Equatorial Guinea**: Dupuy and Blanchard (1970); Kea (1971)
**Eritrea**: Aregay (1980); Vandervort (1998); Comin *et al.* (2010); Connell and Killion (2011)
**Estonia**: Chamberlain and Ellis (1973); Walter (1998); Ball (2011)
**Ethiopia**:Pankhurst (1965); Caulk (1972); Chamberlain and Ellis (1973, 1975); Parry *et al.* (1975); Myatt (1978); Aregay (1980); Myatt (1989); Featherstone (1992a,b); Dunn (1994); Kliment and Francev (1997); Vandervort (1998); Meredith (2014)
**Fiji**: Lithgow Small Arms Factory Museum (n.d.)
**Finland**: Taylor (1862); Chamberlain and Ellis (1973, 1975); Walter (1998); Jager (2001); Miller (2005); Chivers (2010b); Jaeger Platoon (n.d.)
**France**: Bentley (1833); Scientific American (1876-08-19); Owen (1874); US government (1880); Monthaye (1888); Hime (1915); Peterson (1964); Lindsay (1968); Ricketts (1972); Brodie B. and Brodie (1973); Hogg (1974); Myatt (1978); Loftin (1985); Myatt (1989); Shann *et al.* (1991); Chartrand and Hook (1994); Margiotta and Keegan (1994); Parker (1995); Vandervort (1998); Walter

(1998); Hill and Keegan (2000); Black (2002); Pauly and Pauly (2004); Smith (2006); Morillo *et al.* (2009); Comin *et al.* (2010); Berend and Berend (2013); Pegler (2013)
**Gabon**: Fourie (1968); Dupuy and Blanchard (1970); Kea (1971); Peers (2011)
**Gambia**: Kea (1971); Thornton (1999); Lithgow Small Arms Factory Museum (n.d.)
**Georgia**: Elgood and Blackmore (1995)
**Germany**: US Military (1830); Mordecai (1860); Agnew *et al.* (1861); Busk (1861); Owen (1874); Scientific American (1876-08-19); US government (1880); Monthaye (1888); Longstaff and Atteridge (1917); Stone (1934); Carman (1955); Engels (1959); Lenk *et al.* (1965); Brodie B. and Brodie (1973); Pericoli and Glover (1973); Myatt (1978); Philpott (1981); McNeill (1982); Delbr_ck (1985); Loftin (1985); Myatt (1989); Andersen (1991); Krause (1992); Gander (1993); Margiotta and Keegan (1994); Ford (1998); Walter (1998); Jager (2001); Nielsen *et al.* (2001); Stevenson (2002); Betz (2003); Miller (2005); Chivers (2010b); Comin *et al.* (2010); US Military (1830); Walter (1998); Zabecki (2014); Maximgun.de (n.d.)
**Ghana**: Fourie (1968); Gilbert and Joshua (1969); Dupuy and Blanchard (1970); Kea (1971); Featherstone (1992a); Alpern (1995); Black (1996); Vandervort (1998); Chew (2012); Okoth (2006); Lithgow Small Arms Factory Museum (n.d.)
**Greece**: Cooke (1876); Monthaye (1888); Palmer (1897); United States War Department (1905); Longstaff and Atteridge (1917); Menne and Smith (1938); Chinn (1951); Chamberlain and Ellis (1973); Nicolle and McBride (1983); Walter (1998); Polyzois *et al.* (1999); Stocker and Grant (2003); Ware and Delf (2014)
**Guatemala**: Scientific American (1876-08-19); Bureau of the Census (1942, 1944, 1945, 1946); Chamberlain and Ellis (1973); Andrade (1982); English (1984); Kohn (1999); Holden (2004); Ball (2011); Schoonover (2012); Langley and Schoonover (2014)
**Guinea**: Bosman (1705); Legassick (1966); Fourie (1968); Gilbert and Joshua (1969); Kea (1971); McGowan (1981); Vandervort (1998); Thornton (1999); Okoth (2006)
**Guinea-Bissau**: Kea (1971); Clayton (1999); Muehlenbeck (2016)
**Guyana**: Stevens (1987); Stevens and Van Rutten (1981); Lithgow Small Arms Factory Museum (n.d.)
**Haiti**: League of Nations; Scientific American (1876-08-19); Bureau of the Census (1942, 1944, 1945, 1946); Stevens (1987); Stevens and Van Rutten (1981); Andrade (1982); English (1984); Walter (1998); Ball (2011)
**Honduras**: Andrade (1982); Stevens (1987); Stevens and Van Rutten (1981); English (1984); Walter (1998); Kohn (1999); Ball (2011); Gillespie (2011); Langley and Schoonover (2014); McCracken Research Library (n.d.)
**Hungary**: Taylor (1862); Owen (1874); Monthaye (1888); United States Adjutant-General's Office. (1902); Chinn (1951); Chamberlain and Ellis (1973); Parry *et al.* (1975); Sarhidai and Punka (1996); Walter (1998); Nielsen *et al.* (2001); Ágoston (2009); Chivers (2010b)
**Iceland**:
**India**: Ricketts (1972); Andersen (1991); Featherstone (1992b); Elgood and Blackmore (1995); Black (1996); Crosby (2002); Khan (2005); Lorge (2008); Chivers (2010b); Chew (2012); Davies and Leland (2012); Kaushik (2015)
**Indonesia**: Tarling *et al.* (1992); Margiotta and Keegan (1994); Walter (1998); Knaap (2003); Charney (2004); Cribb and Kahin (2004); Chivers (2010b); Chew (2012); Charney (2018)
**Iran**: United States. Military Commission to Europe (1862); Maxim (1915); Chamberlain and Ellis (1973); Parry *et al.* (1975); Tousi *et al.* (1988); Elgood and Blackmore (1995); Gommans (1995); Black (1996); Kliment and Francev (1997); Walter (1998); Grant (1999); Chase and Chase (2003); Findlay and O'Rourke (2007); Ágoston (2009); Ball (2011); Farrokh (2011); Nourbakhsh and Farhad (2015)

**Iraq**: Dupuy and Blanchard (1970); Elgood and Blackmore (1995); Walter (1998); Pollack and Michael (2002); Chivers (2010b); Ball (2011)
**Ireland**: Chamberlain and Ellis (1973, 1975); Stevens (1987); Stevens and Van Rutten (1981); Hill (1992); Black (1996); Hill and Keegan (2000); Ball (2011); Irish Defence Forces (n.d.)
**Israel**: Burckhardt (1831); Doughty (1888); Bureau of the Census (1942, 1944, 1945, 1946); Heyd (1960); Stevens (1987); Stevens and Van Rutten (1981); Zaloga and Katz (1996); Walter (1998); Saidel and Barakat (2000); Pollack and Michael (2002)
**Italy**: US Military (1840); Busk (1861); Scientific American (1876-08-19); Taylor (1862); US government (1880); Monthaye (1888); Hime (1915); Stone (1934); Menne and Smith (1938); Carman (1955); Cipolla (1965); Lenk *et al.* (1965); Bury (1960); Ricketts (1972); Chamberlain and Ellis (1973); Parry *et al.* (1975); Myatt (1978); Nicolle and McBride (1983); Nicolle and Embleton (1983); Myatt (1989); Bastable (1992); Zaloga and Sarson (1994); Walter (1998); Black (2002); Stevenson (2002); Wawro (2002); Miller (2005); Westwood (2005); Walter (2006)Grant (2008); Comin *et al.* (2010); McLachlan *et al.* (2012); Roberts (2012); Schneid (2012); Kaushik (2014); Colt (n.d.)
**Ivory Coast**: Fourie (1968); Dupuy and Blanchard (1970); Kea (1971)
**Jamaica**: Stevens (1987); Stevens and Van Rutten (1981); Lithgow Small Arms Factory Museum (n.d.)
**Japan**: Scientific American (1876-08-19); United States Adjutant-General's Office. (1902); Longstaff and Atteridge (1917); Bureau of the Census (1942, 1944, 1945, 1946); Chamberlain and Ellis (1973); Perrin (1979); Andersen (1991); Brown (1994); Margiotta and Keegan (1994); Black (1996, 1998); Walter (1998); Archer (2002); Lidin (2002); Turnbull and Reynolds (2002); Chase and Chase (2003); Miller (2005); Swope (2005); Findlay and O'Rourke (2007); Kinard (2007); Grant (2008); McCannon (2008); Chivers (2010b,a); Zaloga and Bull (2011); Olender (2014)
**Jordan**: Burckhardt (1831); Doughty (1888); Heyd (1960); Stevens (1987); Stevens and Van Rutten (1981); Walter (1998); Saidel and Barakat (2000); Pollack and Michael (2002)
**Kazakhstan**: Elgood and Blackmore (1995); Chivers (2010b)
**Kenya**: Fourie (1968); Dupuy and Blanchard (1970); Aregay (1980); Stevens (1987); Stevens and Van Rutten (1981); Peers (1992); Lithgow Small Arms Factory Museum (n.d.)
**Kosovo**: Chamberlain and Ellis (1973); Walter (1998); Vuksic (2003)
**Kuwait**: Walter (1998)
**Kyrgyzstan**: Elgood and Blackmore (1995); Chivers (2010b)
**Laos**: Dupuy and Blanchard (1970); Krause (1992); Heath (2003); Lieberman (2003); Stuart-Fox (2008)
**Latvia**: Brzezinski (1988, 1987a,b); Chamberlain and Ellis (1973); Kliment and Francev (1997); Walter (1998); Frost (2000); Ball (2011); Davies and Leland (2012)
**Lebanon**: Stevens (1987); Stevens and Van Rutten (1981); Walter (1998)
**Lesotho**: Stevens (1987); Stevens and Van Rutten (1981)
**Liberia**: Fourie (1968); Kea (1971); Stevens (1987); Stevens and Van Rutten (1981); Walter (1998); McCracken Research Library (n.d.)
**Libya**: Hess (1978)Pollack and Michael (2002)
**Lithuania**: Chamberlain and Ellis (1973); Brzezinski (1988, 1987a,b); Frost (2000); Ball (2011); Davies and Leland (2012)
**Luxembourg**: League of NationsLongstaff and Atteridge (1917); Stevens (1987); Stevens and Van Rutten (1981); Walter (1998); Wawro (2002); Ball (2011)
**Macedonia**: Chamberlain and Ellis (1973); Walter (1998); Vuksic (2003)
**Madagascar**: Dupuy and Blanchard (1970); Fourie (1968); Stevens (1987); Stevens and Van Rutten (1981); Berg (1985); Brown (1995); Pearson (1997); Bialuschewski (2005); Brown (1995)

**Malawi**: Fourie (1968); Isaacman and Isaacman (1976); Stevens (1987); Stevens and Van Rutten (1981); Walter (1998)
**Malaysia**: Tarling *et al.* (1992); Cashner and Noon (2013); Lithgow Small Arms Factory Museum (n.d.)
**Maldives**:
**Mali**: Fourie (1968); Dupuy and Blanchard (1970); Echenberg (1971); Smaldone (1977); Kaba (1981); Comin *et al.* (2010); Muehlenbeck (2016)
**Malta**: Comin *et al.* (2010); Armed Forces of Malta (n.d.)
**Mauritania**: Fourie (1968); Dupuy and Blanchard (1970); Kea (1971); Stevens (1987); Stevens and Van Rutten (1981)
**Mauritius**: Lithgow Small Arms Factory Museum (n.d.)
**Mexico**: Scientific American (1876-08-19); United States Adjutant-General's Office. (1902); Chamberlain and Ellis (1973); Andrade (1982); Stevens (1987); Stevens and Van Rutten (1981); English (1984); Katcher and Embleton (1976); Chartrand and Hook (1994); Walter (1998); Hart (2002); Meed (2002); Robinson (2004); Holden (2004); Vandervort (2006); Ball (2011); Bisher (2016); Spoelstra (n.d.)
**Moldova**:
**Mongolia**: Dupuy and Blanchard (1970); Chase and Chase (2003); Sanders (2003); Kaushik (2014)
**Montenegro**: Cooke (1876); Monthaye (1888); Chamberlain and Ellis (1973); Elgood and Blackmore (1995); Herrmann (1996); Walter (1998); Wawro (2002); Vuksic (2003)
**Morocco**: Taylor (1862); Longstaff and Atteridge (1917); Vogt (1977); Hess (1978); Kaba (1981); Stevens (1987); Stevens and Van Rutten (1981); Rollman and John (1983); Elgood and Blackmore (1995); Walter (1998); Pennell and Brown (2000); Roberts (2003); Comin *et al.* (2010); Meredith (2014)
**Mozambique**: Gann (1975); Abbott (1988); Vandervort (1998); Mavhunga (2003); Chew (2012)
**Myanmar**: Dupuy and Blanchard (1970); Tarling *et al.* (1992); Heath (2003); Charney (2004); Myint (2011); Aung-Thwin and Aung-Thwin (2012); Chew (2012); Graff and Higham (2012)
**Namibia**: Kea (1971); Vandervort (1998)
**Nepal**: Wright and Singh (1877)Stevens (1987); Stevens and Van Rutten (1981); Elgood and Blackmore (1995); Heath (1998); Wawro (2002); Lorge (2008); Nepali Army (n.d.)
**Netherlands**: Busk (1861); Taylor (1862); Scientific American (1876-08-19); US government (1880); Monthaye (1888); Merritt *et al.* (1892); Longstaff and Atteridge (1917); Menne and Smith (1938); Lenk *et al.* (1965); Chamberlain and Ellis (1973); Pericoli and Glover (1973); Myatt (1978); Reid (1973); Myatt (1989); Krause (1992); Elgood and Blackmore (1995); Visser and Bailey (1997); Walter (1998); Wawro (2002); Amersfoort and Kamphuis (2010); Comin *et al.* (2010); Kaufmann and Kaufmann (2014)
**New Zealand**: Bureau of the Census (1942, 1944, 1945, 1946); Stettinius (1944); Chamberlain and Ellis (1973); Walter (1998); Comin *et al.* (2010); Government of New Zealand (n.d.); Lithgow Small Arms Factory Museum (n.d.)
**Nicaragua**: bla (1856); Scientific American (1876-08-19); Andrade (1982); English (1984); Kohn (1999); Ball (2011); Langley and Schoonover (2014); Cruz (2016); McCracken Research Library (n.d.)
**Niger**: Fourie (1968)Echenberg (1971); Fisher and Rowland (1971); Smaldone (1977); Stevens (1987); Stevens and Van Rutten (1981); Idrissa and Decalo (2012)
**Nigeria**: Crowther (1872); Nachtigal (1889); Fourie (1968); Fisher and Rowland (1971); Kea (1971); Smaldone (1972); Latham and of Oxford (1973); Smaldone (1977); Vandervort (1998); Walter (1998); Comin *et al.* (2010); Muehlenbeck (2016)

**North Korea**: Bishop (1983); Walter (1998); Turnbull and Reynolds (2002); Chase and Chase (2003); Swope (2005); Chivers (2010b); Comin *et al.* (2010); Heath (2011)
**Norway**: League of Nations; US government (1880); Lillevik (1984); Owen (1874); United States Adjutant-General's Office. (1902); United States War Department (1905); Zeiner-Gundersen (1986); Margiotta and Keegan (1994); Ford (1998); Walter (1998); Mehl (2002); Flatnes (2014); Forsvarsmuseet (2014); Jaermuseet (n.d.)
**Oman**: Stevens (1987); Stevens and Van Rutten (1981); Elgood and Blackmore (1995)
**Pakistan**: Elgood and Blackmore (1995); Walter (1998); Kaushik (2005); Lorge (2008); Kaushik (2015)
**Palestine**: Burckhardt (1831); Doughty (1888); Heyd (1960); Saidel and Barakat (2000)
**Panama**: Stevens (1987); Stevens and Van Rutten (1981)
**Papa New Guinea**: Lithgow Small Arms Factory Museum (n.d.)
**Paraguay**: Scientific American (1876-08-19); Menne and Smith (1938); Stevens (1987); Stevens and Van Rutten (1981); Andrade (1982); English (1984); Walter (1998); Ball (2011); Zaloga and Johnson (2013); Nickson (2015)
**Peru**: Scientific American (1876-08-19); Longstaff and Atteridge (1917); Basadre (1930); Chamberlain and Ellis (1973); Stevens (1987); Stevens and Van Rutten (1981); Andrade (1977); English (1984); Walter (1998); Farcau (2000); Sater (2007); Roberts (2012); Bisher (2016); Esposito and Rava (2016)
**Philippines**: Walter (1998)
**Poland**: Hall (1864); Cynk (1971); Chamberlain and Ellis (1973); Pettengill (1979); Brzezinski (1987a,b, 1988); Walter (1998); Frost (2000); Miller (2005); Sarnecki and Nicolle (2008); Chivers (2010b); Davies and Leland (2012)
**Portugal**: US government (1880); Monthaye (1888); Merritt *et al.* (1892); United States War Department (1905); Longstaff and Atteridge (1917); Menne and Smith (1938); Cipolla (1965); Chamberlain and Ellis (1973); Andrade (1977); Myatt (1978); Stevens (1987); Stevens and Van Rutten (1981); Andrade (1982); Myatt (1989); Chartrand and Hook (1994); Walter (1998); Wawro (2002); Comin *et al.* (2010); Garrett (2010); Kaushik (2015); 1914-1918-Online (n.d.); Museu Militar (n.d.); Museu de Marinha (n.d.); Spoelstra (n.d.)
**Qatar**: Stevens (1987); Stevens and Van Rutten (1981)
**Romania**: Cooke (1876); Merritt *et al.* (1892); United States War Department (1905); Longstaff and Atteridge (1917); Menne and Smith (1938); Chinn (1951); Gudju *et al.* (1974); Myatt (1978, 1989); Walter (1998); Miller (2005); Westwood (2005); Grant (2008)
**Russia**: Agnew *et al.* (1861); Monthaye (1888); Merritt *et al.* (1892); Longstaff and Atteridge (1917); Stone (1934); Chinn (1951); Tarassuk (1967); Hogg (1974); Parry *et al.* (1975); Loftin (1985) Andersen (1991); Gander (1993); Drury (1994); Elgood and Blackmore (1995); Herrmann (1996); Hogg (1998); Walter (1998); Frost (2000); Mehl (2002); Wawro (2002); Chase and Chase (2003); Miller (2005); Shpakovsky *et al.* (2006); Grant (2008); Ágoston (2009); Chivers (2010b); Comin *et al.* (2010); Roberts (2012); Kaushik (2014); Dorling Kindersley (2014); Smele (2015)
**Rwanda**: Fourie (1968); Dupuy and Blanchard (1970); Stevens (1987); Stevens and Van Rutten (1981); Ajayi (1989); Peers (2011)
**Sao Tome & Principe**:
**Saudi Arabia**: Burckhardt (1831); Doughty (1888); Heyd (1960); Chamberlain and Ellis (1973); Stevens (1987); Stevens and Van Rutten (1981); Nordeen and Nicolle (1996); Walter (1998); Saidel and Barakat (2000); Haskew (2016)
**Senegal**: Fourie (1968); Dupuy and Blanchard (1970); Kea (1971); Vandervort (1998); Thornton (1999)

**Serbia**: Cooke (1876); Menne and Smith (1938); Chinn (1951); Chamberlain and Ellis (1973); Parry *et al.* (1975); Myatt (1978); Nicolle and McBride (1983); Nicolle and Embleton (1983); Myatt (1989); Herrmann (1996); Wawro (2002); Stocker and Grant (2003); Vuksic (2003); Grant (2008); Kaushik (2014)
**Seychelles**:
**Sierra Leone**: Fourie (1968); Kea (1971); Stevens (1987); Stevens and Van Rutten (1981); Thornton (1999); Okoth (2006)
**Singapore**: Stevens (1987); Stevens and Van Rutten (1981); Lithgow Small Arms Factory Museum (n.d.)
**Slovakia**: Taylor (1862); Titz and Ward (1971); Kliment and Francev (1997); Walter (1998); Miller (2005); Ball (2011)
**Slovenia**: Chamberlain and Ellis (1973); Walter (1998); Vuksic (2003)
**Solomon Islands**: Lithgow Small Arms Factory Museum (n.d.)
**Somalia**: Dupuy and Blanchard (1970)
**South Africa**: Bureau of the Census (1942, 1944, 1945, 1946); Atmore and Sanders (1971); Atmore *et al.* (1971); Marks and Atmore (1971); Guy (1971); Marks and Atmore (1971); Miers (1971); Kinsey (1973); Belling (1989); Knight (1996); Vandervort (1998); Walter (1998); Comin *et al.* (2010); Chew (2012); Meredith (2014); The South African Armour Museum (n.d.)
**South Korea**: Bishop (1983); Walter (1998); Turnbull and Reynolds (2002); Chase and Chase (2003); Swope (2005); Heath (2011)
**South Sudan**: Peers (2003, 2011)
**Spain**: Mordecai (1860); Kelly (1862); Taylor (1862); Owen (1874); Monthaye (1888); Merritt *et al.* (1892); Menne and Smith (1938); Carman (1955); Engels (1959); Chamberlain and Ellis (1973); Brodie B. and Brodie (1973); Ellis and Ezell (1975); Andrade (1977); Myatt (1978); Nicolle and McBride (1988); Myatt (1989); Krause (1992); Black (1996, 1998); Field (1998); Walter (1998); Black (2002); Wawro (2002); Willbanks (2004); Miller (2005); Nolan (2006); Black *et al.* (2008); Chivers (2010b); Comin *et al.* (2010); Roberts (2012); Pegler (2013); Black (2017)
**Sri Lanka**: Elgood and Blackmore (1995); Lorge (2008); Lithgow Small Arms Factory Museum (n.d.)
**Sudan**:Nachtigal (1889); Dupuy and Blanchard (1970); Fisher and Rowland (1971); Kea (1971); Smaldone (1977); Featherstone (1993); Elgood and Blackmore (1995); Vandervort (1998); Peers (2003)
**Suriname**:
**Swaziland**: Kinsey (1973)
**Sweden**: Littell and Littell (1857); Mordecai (1860); Taylor (1862); Owen (1874); US government (1880); Monthaye (1888); United States Adjutant-General's Office. (1902); United States War Department (1905); Menne and Smith (1938); Carman (1955); Lindsay (1968); Chamberlain and Ellis (1973); Hogg (1974); Henricson (1977); Myatt (1978); Holmquist *et al.* (1980); Bateman and Riley (1987); Myatt (1989); Brzezinski and Hook (1991); Scheutz (1993); Walter (1998); Wawro (2002); Miller (2005); Widfeldt and Hall (2005); Morillo *et al.* (2009); Comin *et al.* (2010); Armémuseum (n.d.); Rijksmuseum (n.d.); Mordecai (1860)
**Switzerland**: Taylor (1862); Ripley and Anderson Dana (1872); Scientific American (1876-08-19); Monthaye (1888); United States Adjutant-General's Office. (1902); United States War Department (1905); Longstaff and Atteridge (1917); Stone (1934); Engels (1959); Lenk *et al.* (1965); Atmore and Sanders (1971); Chamberlain and Ellis (1973); Myatt (1978, 1989); Andersen (1991); Margiotta and Keegan (1994); Kliment and Francev (1997); Ford (1998); Walter (1998); Wawro (2002); Miller (2005); Comin *et al.* (2010); McLachlan *et al.* (2012); Kaufmann and Kaufmann (2014); Maximgun.de (n.d.)

**Syria**: Burckhardt (1831); Doughty (1888); Heyd (1960); Laffin (1982); Zaloga and Katz (1996); Walter (1998); Saidel and Barakat (2000); Pollack and Michael (2002); Ball (2011); Jenzen-Jones and Spleeters (2015)
**Taiwan**: Walter (1998)
**Tajikistan**: Elgood and Blackmore (1995)
**Tanzania**: Beachey (1962); Fourie (1968); Aregay (1980); Stevens (1987); Stevens and Van Rutten (1981); Peers (1992); Okoth (2006); Lithgow Small Arms Factory Museum (n.d.)
**Thailand**: Chapman (1857); Chamberlain and Ellis (1973); Scientific American (1876-08-19); Simmonds and Stuart (1963); Ramsay (1979); Forbes (1988); Falla (1991); Tarling *et al.* (1992); Walter (1998); Wawro (2002); Heath (2003); Lieberman (2009); Comin *et al.* (2010); Ball (2011); Chew (2012); Wade (2015); Zaloga and Morshead (2015)
**Togo**: Fourie (1968); Kea (1971)
**Tonga**:
**Trinidad and Tobago**: Lithgow Small Arms Factory Museum (n.d.)
**Tunisia**: Taylor (1862); Longstaff and Atteridge (1917); Hess (1978); Stevens (1987); Stevens and Van Rutten (1981); Elgood and Blackmore (1995); Wawro (2002); Comin *et al.* (2010); Colt (n.d.)
**Turkey**: Taylor (1862); Owen (1874); Cooke (1876); Scientific American (1876-08-19); US government (1880); United States War Department (1905); Maxim (1915); Menne and Smith (1938); Nowarra (1959); Cipolla (1965); Chamberlain and Ellis (1973); Ellis and Ezell (1975); Parry *et al.* (1975); Myatt (1978); Nicolle and McBride (1983); Nicolle and Embleton (1983); Myatt (1989); Margiotta and Keegan (1994); Elgood and Blackmore (1995); Nordeen and Nicolle (1996); Walter (1998); Grant (1999); Reid (2000); Grant (2002); Wawro (2002); Grant (2008); Ágoston (2009); Comin *et al.* (2010); Ball (2011); Kaushik (2014); Spoelstra (n.d.); Ágoston (2017)
**Turkmenistan**: Parry *et al.* (1975); Elgood and Blackmore (1995); Chivers (2010b)
**UAE**: Stevens (1987); Stevens and Van Rutten (1981); Margiotta and Keegan (1994); Walter (1998); Lithgow Small Arms Factory Museum (n.d.)
**Uganda**: Beachey (1962); Fourie (1968); Gilbert and Joshua (1969); Peers (2003); Chew (2012); Meredith (2014); Lithgow Small Arms Factory Museum (n.d.)
**Ukraine**: Parry *et al.* (1975); Nicolle and McBride (1983); Black (1996)
**United Kingdom**: Mordecai (1860); Owen (1874); US government (1880); Monthaye (1888); Dillon (1893); Hime (1915); Longstaff and Atteridge (1917); Stone (1934); Stettinius (1944); Manucy (1949); Carman (1955); Nowarra (1959); Rogers (1960); Norman and Pottinger (1964); Lindsay (1968); Bury (1960); Ricketts (1972); Brodie B. and Brodie (1973); Pericoli and Glover (1973); Hogg (1974); Myatt (1978); Headrick (1979); Asquith and Warner (1981); Loftin (1985); Sarty and Service (1988); Myatt (1989); Gabriel and Metz (1992); Gander (1993); Herrmann (1996); Ford (1998); Vandervort (1998); Walter (1998); Hill and Keegan (2000); Goldman and Eliason (2003); Miller (2005); Vandervort (2006); Comin *et al.* (2010); McLachlan *et al.* (2012); Schwoerer (2016)
**United States**: US Military (1835); New York Times (1861-05-23); Owen (1874); Chinn (1951); Goldberg and Force (1957); Brodie B. and Brodie (1973); Chamberlain and Ellis (1973); Hogg (1974); Ellis and Ezell (1975); Katcher and Embleton (1976); Myatt (1978); Ezell (1984); Myatt (1989); Walter (1998); Wawro (2002); Vandervort (2006); Kinard (2007); McKenney and of Military History (U S Army); Chivers (2010b,a); Black (2017)
**Uruguay**: Bureau of the Census (1942, 1944, 1945, 1946); Milenky (1980); Andrade (1982); English (1984); Walter (1998); Rauch (1999); Scheina (2003); Sater (2007); Ball (2011)
**Uzbekistan**: Parry *et al.* (1975); Elgood and Blackmore (1995); Chase and Chase (2003)
**Venezuela**: United States. Department of State (1876); Andrade (1982); Stevens (1987); Stevens and Van Rutten (1981); English (1984); Herwig (1986); Walter (1998); Scheina (2003); De La Pedraja (2006); Ball (2011)

**Vietnam**: CIA (1968); Tarling *et al.* (1992); Chapuis (2000); Wawro (2002); Heath (2003); Lieberman (2003); Charney (2004); Lorge (2008)
**Yemen**: Parry *et al.* (1975); Elgood and Blackmore (1995); Walter (1998); Chivers (2010b,a); Ball (2011)
**Zambia**: Fourie (1968); Gray (1971); Isaacman and Isaacman (1976); Maxwell (1999); Thornton (1999); Macola (2010); Peers (2011); Stapleton (2013); Lithgow Small Arms Factory Museum (n.d.)
**Zimbabwe**: Fourie (1968); Dupuy and Blanchard (1970); Atmore *et al.* (1971); Gray (1971); Stevens (1987); Stevens and Van Rutten (1981)

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