Rob Bonta
Attorney General of California
Mark R. BECKINGTON
Supervising Deputy Attorney General
ROBERT L. MEYERHOFF
Deputy Attorney General
State Bar No. 298196
300 South Spring Street, Suite 1702
Los Angeles, CA 90013-1230
Telephone: (213) 269-6177
Fax: (916) 731-2144
E-mail: Robert.Meyerhoff@doj.ca.gov
Attorneys for Defendant Rob Bonta in his
official capacity as Attorney General of the
State of California
IN THE UNITED STATES DISTRICT COURT FOR THE SOUTHERN DISTRICT OF CALIFORNIA CIVIL DIVISION

v.

## ROB BONTA, in his official capacity as Attorney General of the State of California; and DOES 1-10,

Defendants

Case No. 3:17-cv-01017-BEN-JLB
COMPENDIUM OF WORKS
CITED IN DECLARATION OF MICHAEL VORENBERG

VOLUME 4 OF 11
Courtroom: 5A
Judge: Hon. Roger T. Benitez Action Filed: May 17, 2017

INDEX

| Works | Decl. Page. | Compendium Page No. |
| :---: | :---: | :---: |
| Historical Statutes |  |  |
| 14 U.S. Statutes 487, Chap 170, Sec. 6 (Approved March 2, 1867). | 19 n. 21 | 0010-0014 |
| 10 U.S.C. 332 (Aug. 10, 1956, ch. 1041, 70A.) | $\begin{gathered} 56-57 \\ \text { n. } 85 \end{gathered}$ | 0015 |
| Pub. L. 109-163, div. A, title X, §1057(a)(2), Jan. 6, 2006. | $\begin{gathered} 56-57 \\ \text { n. } 85 \end{gathered}$ | 0016-0019 |
| Texas Session Laws, 13th Legislature, Regular Session, General Laws, chap. 187 (March 28, 1873), pp. 225-26. | 51 n. 75 | 0020 |
| Books |  |  |
| Roy P. Basler, ed., Collected Works of Abraham Lincoln (New Brunswick, N.J.: Rutgers University Press, 1953), 8:403-4. | 15 n .19 | 0026-0028 |
| William A. Blair, The Record of Murders and Outrages: Racial Violence and the Fight Over Truth at the Dawn of Reconstruction (Chapel Hill: University of North Carolina Press, 2021), 66-67. | 19 n. 20 | 0029-0032 |
| ```Robert V. Bruce, 1877: Year of Violence (1959; repr., Chicago: Quadrangle Books, 1970), 251- 52.``` | 35 n .47 | 0033-0038 |
| Saul Cornell, A Well-Regulated Militia: The Founding Fathers and the Origins of Gun Control in America (New York: Oxford University Press, 2006), 196-97. | $\begin{gathered} 36 \text { n. } 50, \\ 56 \text { n. } 84 \end{gathered}$ | 0039-0041 |

Compendium of Works Cited in Declaration of Michael Vorenberg
(3:17-cv-01017-BEN-JLB)

| Eric Foner, Reconstruction: America's Unfinished Revolution, 1863-1877 (New York: Harper and Row, 1988), xxvii. | 4 n .2 | 0042-0044 |
| :---: | :---: | :---: |
| Jim Garry, Weapons of the Lewis and Clark Expedition (Norman, Okla.: Arthur H. Clark, 2012), 94 | 8 n .5 | 729-730 |
| Jerome A. Greene, Nez Perce Summer, 1877: The U.S. Army and the Nee-Me-Poo (Helena: Montana Society Press, 2001), 34-42, 310-12. | 33 n .40 | 0045-0059 |
| Pamela Haag, The Gunning of America: Business and the Making of American Gun Culture (New York: Basic Books, 2016) 65-81, 90, 109-42, 177-202, 353-68. | passim | $\begin{aligned} & \text { 0060-0096; } \\ & 731-766 \end{aligned}$ |
| Pekka Hämäläinen, Lakota America: A New History of Indigenous Power (New Haven, Conn.: Yale University Press, 2019), 299, 340. | $\begin{gathered} 33 \mathrm{n} .40, \\ 33 \mathrm{n} .41 \end{gathered}$ | 0097-0104 |
| Robert Held, The Belton Systems, 1758 and 178486: America's First Repeating Firearms (Lincoln, R.I.: Andrew Mowbray, 1986), 33-39 | 8 n .6 | 767-775 |
| W. S. Neidhardt, Fenianism in North America (University Park: The Pennsylvania State University Press, 1975), 71. | 23 n .28 | 0105-0108 |
| John E. Parsons, The First Winchester: The Story of the 1866 Repeating Rifle (New York: Morrow, 1955), 48, 85, 88, 103, 116, 123. | 10 n.7, 14 n.18, 28 n .32 | 0109-0217 |
| Harold L. Peterson, Arms and Armor in Colonial America (New York: Bramhall House, 1956), 215-17 | 7 n .3 | 776-780 |
| Dennis C. Rousey, Policing the Southern City: <br> New Orleans, 1805-1889 (Baton Rouge: <br> Louisiana State University Press, 1996), 130-31; 155-156 | $\begin{gathered} 42 \mathrm{n} .59 \\ 45 \mathrm{n} .61 \end{gathered}$ | 0218-0222 |


| James E. Sefton, The United States Army and Reconstruction, 1865-1877 (Baton Rouge: Louisiana State University Press, 1967), 5-106, 112 | $\begin{aligned} & 19 \text { n. } 21, \\ & 22 \text { n. } 27 \end{aligned}$ | 0223-0281 |
| :---: | :---: | :---: |
| Ben H. Severance, Tennessee's Radical Army: The State Guard and Its Role in Reconstruction, 1867-1869 (Knoxville: University Press of Tennessee, 2005), 1-119. | 20 n .23 | 0282-0359 |
| Otis A. Singletary, Negro Militia and Reconstruction (Austin: University of Texas Press, 1957), 3-33, 69-70. | $\begin{aligned} & 21 \mathrm{n} .24, \\ & 22 \mathrm{n} .26, \\ & 38 \mathrm{n} .53, \\ & 42 \mathrm{n} .59 \end{aligned}$ | 0360-0397 |
| W. H. B. Smith, Gas, Air and Spring Guns of the World (Harrisburg, Penn.: Military Service Publishing Company, 1957). 30 | 7 n. 4 | 781-783 |
| C. L. Sonnichsen, I'll Die Before I'll Run: The Story of the Great Feuds of Texas (1951; 2nd ed., New York: Devin-Adair, 1962), 125-49. | 30 n .35 | 0398-0424 |
| Robert M. Utley, Lone Star Justice: The First Century of the Texas Rangers (New York: Oxford University Press, 2002), 169-70 | 47 n .65 | 0425-0428 |
| Michael Vorenberg, "The 1866 Civil Rights Act and the Beginning of Military Reconstruction," in Christian Samito, ed., The Greatest and the Grandest Act: The Civil Rights Act of 1866 from Reconstruction to Today (Carbondale, Ill.: Southern Illinois University Press, 2018), 60-88 | $\begin{aligned} & 24 \text { n. } 29, \\ & 27 \text { n. } 31 \end{aligned}$ | 0429-0446 |
| Walter Prescott Webb, The Texas Rangers: A Century of Frontier Defense (1935; 2nd ed., Austin: University of Texas Press, 1965), 29293 | 47 n. 65 | 0447-0452 |
| Harold F. Williamson, Winchester: The Gun That Won the West (Washington, D.C.: Combat Forces Press, 1952), 38, 42-44, 178 | 12 n .13 | 0453-0464 |


| Richard Zuczek, State of Rebellion: <br> Reconstruction in South Carolina (Columbia: University of South Carolina Press, 1996, 75, 79-80, 140-41, 170-171 | $\begin{gathered} 38 \mathrm{n} .53, \\ 40 \mathrm{n} .56, \\ 41 \mathrm{n} .57, \\ 41 \mathrm{n} .58, \\ 49 \mathrm{n} .70 \end{gathered}$ | 0465-0476 |
| :---: | :---: | :---: |
| Law Reviews and Journals <br> Clayton E. Cramer, Nicholas J. Johnson, and George A. Mocsary, "'This Right is Not Allowed by Governments That Are Afraid of the People': The Public Meaning of the Second Amendment when the Fourteenth Amendment was Ratified," George Mason Law Review, 17 (2010), 823-863, esp. 852-863 | 21 n .25 | 785-824 |
| Eleanor L. Hannah, "Manhood, Citizenship, and the Formation of the National Guards, Illinois, 1870-1917" (Ph.D. diss, University of Chicago, 1997), 15-16. | 36 n .50 | 0478-0481 |
| ```David Kopel, "The Second Amendment in the 19th Century," B.Y.U. L. Rev. 1359, 1418-21 (1998)``` | 54 n .81 | 0482-0488 |
| Michael G. Lindsey, "Localism and the Creation of a State Police in Arkansas," Arkansas Historical Quarterly, 64 (Winter 2005), 356-58. | 20 n. 22 | 0489-0495 |
| Allan Robert Purcell, "The History of the Texas Militia, 1835-1903" (Ph.D. diss., University of Texas, Austin, 1981), 221-27 | 21 n. 24 | 0496-0505 |
| Gautham Rao, "The Federal "Posse Comitatus" Doctrine: Slavery, Compulsion, and Statecraft in Mid-Nineteenth-Century America," Law and History Review, 26 (Spring, 2008), pp. 1-56. | $\begin{gathered} 56-57 \\ \text { n. } 85 \end{gathered}$ | 0506-0562 |
| Jerrell H. Shofner, "Florida Courts and the Disputed Election of 1876," Florida Historical Quarterly, 48 (July 1969), 26-46. | 48 n. 66 | 0563-0584 |

Compendium of Works Cited in Declaration of Michael Vorenberg


| General Orders, No. 101, May 30, 1865, The War <br> of the Rebellion (Washington, D.C.: <br> Government Printing Office, 1880-1901), ser. 3, <br> vol. 5, p. 43). | 14 n .17 | $0628-0630$ |
| :--- | :--- | :--- |
| "Penitentiary Report" to Legislative Assembly, <br> September 1868 (Salem, Oregon: W. A. | 30 n .36 | $0631-0633$ |
| McPherson, 1868), pp. 94-95. |  |  |


| "The Reds," Chicago Daily Tribune, March 23, 1879, p. 7. | 52 n .78 | 0667 |
| :---: | :---: | :---: |
| Georgia Weekly Telegraph and Georgia Journal \& Messenger, April 5, 1870, pp. 4, 8. | 46 n .62 | 0668-0669 |
| "Lovejoy," "Letter from Africa," Fayette County Herald (Washington, Ohio), Dec. 21, 1871, p.2. | 31 n .37 | 0670-0678 |
| David Kopel, "The History of Magazines holding 11 or more rounds," Washington Post, May 29, 2014. | 28 n .32 | 0679 |
| New Orleans Republican, June 13, 1873, p. 1 | 44 n .60 | 0680 |
| New Orleans Republican, March 13, 1877, p. 2. | 49 n .67 | 0681-0683 |
| "Breech-Loading Arms," New York Herald, Oct. $12,1866, \text { p. } 4 .$ | 34 n .46 | 0684 |
| "A Tough Customer," St. Louis Globe-Democrat, Oct. 1, 1877, p. 4. | 35 n .48 | 0685-0687 |
| Ouachita Telegraph, October 24, 1873, p 1. | 44 n .60 | 0688 |
| "Henry's Sporting Rifle," in Wilkes' Spirit of the Times: The American Gentleman's Newspaper, March 24, 1866, p. 59. | 36 n .49 | 0689 |
| "Another Battle," The Opelousas Journal, Aug. 29, 1873, p. 3. | 47 n .64 | 0690-0691 |
| The Forest Republican (Tionesta, Pennsylvania), Oct. 3, 1877, p. 4. | 37 n .52 | 0692 |
| The Weekly Democratic Statesman (Austin, Texas), August 24, 1871, p. 2. | 46 n .63 | 0693-0694 |
| Washington Evening Star, Aug. 16, 1869, p. 1. | 39 n. 54 | 0695 |
| Wyoming Leader (March 16, April 21, May 8, 1868, always p. 4). | 29 n .33 | 0696 |

Compendium of Works Cited in Declaration of Michael Vorenberg (3:17-cv-01017-BEN-JLB)

| OTHER SOURCES |  |  |
| :--- | :--- | :--- |
| James Bown and Son's Illustrated Catalogue and <br> Price List, 29th annual ed. (Pittsburgh, Penn., <br> 1877), 33. | 37 n .51 | $0698-0700$ |
| David B. Kopel and John Parker Sweeney, "Amici <br> Curiae Brief for the Center for Constitutional <br> Jurisprudence and Gun Owners of California in <br> Support of Plaintiffs-Appellants and Supporting <br> Reversal," 2014 WL 2445166 (9th Cir.). |  |  |
| National Museum of American History, <br> Collections, Belton Repeating Flintlock Fusil | 82 | $0701-0702$ |
| "Serial Number Ranges for Springfield Armory- <br> Manufactured Military Firearms," <br> http://npshistory.com/publications/spar/serial- <br> nos.pdf, pp. 1-3. | 28 n .32 | $0703-0707$ |
| Springfield Armory U.S. National Park Website: <br> https://www.nps.gov/spar/learn/historyculture/u- <br> s-springfield-trapdoorproduction-serial- <br> numbers.htm. | 28 n .32 | $0708-0715$ |
| Guncite.com, Second Amendment State <br> Decisions, Feb. 24, 2013. | 54 n .79 | $0716-0727$ | twelve for the rifle, thirteen for the musket and nine for the carbine. The first 1878 catalog carried a warning that long rarige targer carridges with 85 or 90 grains of powder and a patcheit bullet of 450 to 500 grains "cannot be used through the magazine but must be used singly, loading through the top of the camer block mortise." Sueh a cartridge for the



Sideplate of Presentation Model 76 Riffe in the Collection of
Maurice C Clark
Model ' 76 was illustrated in she March 1 edition, but dropped in the very next issue.
An endurance teet of the Model ' 76 was reported in Forest and Stream for Novermber a, $18 \% 2^{2}$ With the toggle-links on one side of the action removed, it was fired twenty times with normal charges. Then with the links restored powder loads were graduaily increased until, on the seventh test with 203 grains of powder and six bullets of t80 grains, the charge bent the breech pin, blew out the side plates, split the frame and othervise diabled the arm." The new model was at first issued withour a slide covel- an explanation being given in a leiter 'from the company to Forest and Stream:

The alide placed upon the Winclester Gums, Model \& 823 . was left off in the Model of I8Y6, as a matrer of salety and precautinn. Of the great number of perwons using our armis, Mfoflel iR73, many are ignorant of the proper one of them, and always close the slide cover over the carrier-block morrise; aind if ther fire a carridite with an impertert head and ic hlows the lewat off, the gas cosapes


Model '76 rifle inscrited "Cal Cody Buffalo Bill from the Wild Went London Eng is87" collection of tierald for
into the breech and lock-work, thereby causing damage that would not occuc it the cover was open.

Alcogether 63.871 of the Model 76 were sold unzil mamufacture twas discontinued in 1897 . Serials reached No. 1258 in 1877. No. $790_{5}$ in-1878, No. 8950 in 1879, No. i2.050 in 1880 and No. 20.050 by the end of 1881 .' Thereafter sales averaged abour seven thousand a year until the new Mondel R85 pre-empted the market, Calibres $45-60$ and $50-95$ Fxpress were added in 1879 for rifles and to 60 in $488 ;$ the arbine being only avaulable in 45.75 until 1885 of the fitst 15.000 serials, a count at the Winchester Museum indicaies that

123
THE FIRST WINCIHESTER
12.963 were rifles, 1.861 carbines and only 177 muskes, at though several hundred carbines were furmished with bayonets Of the total number about 5.000 riftes were chambered for $45^{-60}$ and 700 for $50-95$ Express. The octagonal rifle barrel was by far the most popular some 9,160 being of this style as compared to 3.6oo round barrels and 220 half-octagon. Nosstandard lengits wexe recorded at two-inch intervals from 22 1034 inches, and there were 121 heavy barrels and 33 extra heavy issued.

not in gread became optional with serial 1682 , but were not in great demand. A few earliet serials were altered to take them. Set triggers are recorded for 4,618 rifles, half or short magazines for 637 , and pistol grips for 362 . Several hundred riffes had shotgun stocks or buts and some stocks made to particular specifications, one entry being "schutzen stock" and another "compass in stock." Of finishes, 975 case-hardened and 19 browned receivers were listed, besides 141 nickel-plated, five silver-plated and eight gold-plated arms. Ten rifles about serial 1950 were recorded as "gold and silver." Only about thirty of the arms counted were engraved, and twenty had names or initials of owriers inscribed thereon. It should be noied that the foregoing figures apply only to the first 15.000 Model ' 75 serials. Multiplication by four will give a rough extimate of the total in any category.

Alogether fifty Model ' 76 rifles were ruarked "One of On

MODEL "76 AND THE NORTHWEST MOUNTFI POLICE
Thousand"'and eight "One of One Hundred." Elevent of the former were chambered for $45-60$ calibre and 4 woo rechambered for $40-60$. They were all numbered under cerial it,000


Rear Sights of Model 76 Winchester
Above: N W. Mouote? Police Below: Standard Cattine Police Carbine Comurtesy of Winchoriter Puth
and originally made prior to 188 : The designations (applied atso to the Model 73) were explained in the 1875 and 1876 i catalogs: "All of those barrels that are found to make argets of extra merit will be made up into guns with set trigeers and extra finish, and marked as a designating name 'one of a thousand and sold at Sroo. The next grade of barrels, not quite so fine, will be marked 'one of a humdred,' and set upi to order
in any siyle at $\$ 20$ adrance over the list price of the cortesponding style of gun as shown in the price list," Neither desiguation proved to be mumerically exace, the standard of excellence producing many more top grade guns than second The Model 76 was the last of the Winchesters having the ongle-link design of beech action derived from the Volcanic and Henry rifles. It is perhaps best known for its nse in carbine form by the Ganadian Notthwese Mounted Police. Their adoption of is is well documented in the annwal reports of the comntissioner, which indicate that a first lot of fifty. Winchesters was acquired in 1878 . At that time the force consisted of only three hundred men, who had to cope with Indians such as the Assimibaines, Blackfoot, Blood and Sarci already possessing repeating rifles, not to mention renegade whites and half-breeds. Sitting Bull's Soux were-likewise involuntary guests in the "grandmother country" Among such company the Snider single-ahot carbines originally isuued to the force seemed less than adequare. Thus the commissioner teported in 18 y8: " "The W'inchester rifles (fifty) supplied are admirable weapons for our service. ... . 1 am in hopes that we may be supplied with fifty more riffes this year ..... as all ranks are very desirous of practiring with the new and popular arm." By 1880 one hundred Winchesters had been issucd to divisions of the force stationted afong the international border. Revealing comments avere made on thein in the commissioner's
'eport!? report:?
There is now in nse in the force the Snider carbine and the Wiorficker rille. On the onkaniation of the force, the Snider earbine was the onfy riffe issued; since then, however, one hanidred Wincheser rilles, improved pattern, have been purchased, with whirh "A" and "F" divisiens are now anmed, ... The Snider carbine is now considered in many respects an obsolete military arw, and is monickliat unsuised to the wans of a force in this


Northwet Mounticd Police Scomes, 382 Cowrteny of Royat Canadian Moonind: Poline
conintry where a large portion of the findsan poptulation is armed with an accurate shooting weapon. Sill, however, bearing in mind the expense that a change of arms fould oecessitate, I think the Snider carbinic may be urilized by us for some further time, at all events. The amount of Snider ammunition on hand is lasge.
Die Winchester rifle, which is a repeating one, and capable of receiving eight cattridges in the magazine, has many gookt points, and is a favorite arm with the western prairie-men. I do not, however, eomsider it a good mititary weapon. The system of rifling is good, but the rifle is altigether too wenk in omsurnctiou to meer the rough handling that at times it is impossible to prevent its receiving. As an example of its weakness: some time ago a man on sentry at night slipped and fell; in doing so the barrel of his riffe was broken at the joint where it is secured into the breech apparatus Other similar instance have occurred. The back sight on the Winchester rifle is badty attached to the barrel. The sight slides readily from one side to the othes, which, of course, interferes with accurate shooting:

The same comments were repeated the following year,' with the observation that "having the force armed with repeating riffes will nor be without a good moral effect upon the Indian mind. The superiority of the ritles they now carry over the Snider carbine is well understood." In 1882 there was an increase of the force to five hundred in anticipation of the Canadian Pacific Railway's building westward into Alberta The commissioner " again mentioned the Snider as "fast becorning tinserviceable, in addition to the arm itself being an Gbsolete one, and inferior to that with which most of the Indians (all of those in the southern district) are armed.' He went on to say. In the new carbine, manufactured expressly for the force by the Winchester Arms Company, all the ofd defces have been obviated. I beg to recommend that the whole force be at once supplied with Winchester carbines (Model 1876 )." By the next year he was able to report to
Ottawas in The new patern Winchesier rife supplied is Ottawas The new patern Winchester rifte supplied is a


130
THE FIKSt WTNCMEstER
most excellent arm, and of very superior imanufacture. It is, in every respect, well adapted to our use.
This satisfaction did not last long, however. No sooner was the Northwest Rebellion of 1885 over than complaints agaust the $7^{6}$ carbine began, on the score of honeycombed barrels defective sighting, high trajectory and broken stocks. The
 Offrcal Recat.P. Phato
appearance of more up-to-date riffer undoubtedly prompred these criticims, which the commissioner noted in his report for $1888^{31}$ recommending a change. Yet in $1890^{17}$ be com miented, "The Winchester carbines are still in use, and are still complained of: they, however, answer our purpose very well, and with close supervision and a considerable numbery well, barrels, which are being put in, will last for sometime longer,"

By +895 the force had obtained zoo Lee-Metford bolt action carbines of 303 allibre, then the regulation British action arm " With the Winchesters, they did valiant service in the Yukon foring the Klondike rush," By 1902 two divisions of the forre were supplied with the Lee-Meflord, when a new contender appeared in the Ross ritle:'s This Canadian-made arm was arlopted aftet a irial against the Mauser and the older arms, but deferts attsed its whidrawal from use in older Lee-Metfords being reisumed to avo divisions and Winchesters

to others. Meanwhile, the Yokou divisions had acquired LeeEtheld rilles. Wincliesters were srill oin general tsue in 1912. after a fire at Regina detroyed most of the nevr Ross rifles.t In. 1974 the commissioner reported "o that the force had been


Buts of Police Cubine stamped "N. W. M. P" Offrial R.C.M.P. Mhoto
rearmed with the Lec-Enfield carbine It light, handy and accurate weapon . . . eminently suitable for Mlonated Police use.

Serials of Model 76 carbines preserved in the Royal Canadian Mounted Police Museum at Regina establish that 300 Winchester $45-75^{\circ}$ ' were obtamed from the factory in Mtay

THE FIEST WINCMESTER
${ }_{2} 882$ and another lot of $44^{6}$ in Aptil 1885 . The first were numbered in the 23.801 to:24,100 serial range and the second from the 49.goo's to the $44 \cdot 100$ 's. Specifications of the first order called for a barrel with a large shank, a stock of good quality, and sights "Spanish meter:" The tatter is believed a


Breech of Snuder Riffc, Paris Exposition, 1867
reference to a type of military rear sight fastened to the barrel by screws; such as Winchester's had supplied to the Spanish
Goveroment. A prototypecarline serial Goveroment. A prototype carbine, serial 23.244, is in the Winchester Museum. Its characteristies clearly reflect the commissioner's Griticisms of 4880 . The second order is identified in company resords with the initials "NWP" and the reference Q of $\mathrm{K}_{2}$, " Specimens at the Police Museum bear the letters NW:M.P. stamped on the but, tight side, in erescent form. though barely disceribible. The grain of the stock has more sur) than that of the forcarm.

CHAPTER XI

## EXTRACTOR PATENT LITIGATION

W
Palmer, Simith and Wesso HEN, in July 1855 , Messer Volcanic Repeating Arms Complany over their patents to the a procision including "all patents and metent finhts tontained a procision including "all patents and patent rights which the said parties of the first part or either of them or their representatives and assigns may or can obtain or acquire for inven tions or improvements in firearms or ammurition or upon the matters already patented." This dause was a tery broad one broader than assignors intending to concisuc in the arms busi ness should perhaps have agreed to. By the same token it proved to be of great value to the successors of the assignee. Thus when the New Haven Arms Company commenced making ammunition for the Henry rifle, Oliver F. Winehester was enabled to utilize a cartridge pateint developed in connertion with Smith \& Wewon revolvers long after the dave of the assigmment.
But there was one patent tiken in Volannic days that caused trouble. This bad been isoucd to William C. Hids ton March ${ }^{5} 3$

10, 1857 , shortly after he resigned as Volcanic superintendent It covered a hook which served not only to extratt carmidges but as a firing-pin. Hicks' device could withdraw an unfired cartidge and in this respect improved on Smith \& Wesson's ${ }^{1854}$ design. Later on it was held to be the basic parent for a hook extractor, and hence of grear significance. Hicks developed this invention carly in Volcanic days, as early as Auguse 1855 , but the patent, being applied for at the time of the Volcanic collapse, did not come into company hands. The present type of release by employees as to inventions made "on company time" was not customary in those days.
Scant attention seerns to have been paid the Hicks patent during the era of the New Haven Arms Company. His design had been utilized by the Volcanic Company and by its suecesuor also, at least so he asserted in a letter to Oliver F . Winchester in 1858 or $1859^{\circ}$ Henry's patent of 1860 described a hook ejector operating on the outside rim of a metallic cartridge, whereas Hicks' engaged an interior flange in the base if a loaded projectile After, however. the Henry rifle had proved itself in the Civil War and its success seemed assured. the Hicks patent assumed new stature.
In a transaction of which the details are not fully known. the patent was assigned by Hicks to Edward S. Renwick of New York, as trustee for Hicks and the partnership of Smith \&. Weson. Renwick was a well-known patent agent of the day, and his beneficiaries each had a half interert in the crust. Three reissues of the patent were granted, 'considerably broadening is language, and an extension obtained for seven years to March to, 1878.

Whether because of the Hicks patent or for some other reason, a disagreement had meanwhile arisen between Oliver F. Winchester and Smith \& Wesson over interpretation of the assignment of July 10,1855 . After an amicable correspondence

## EXTAACTOR PATEVT LITIGATION

between the parties in which Smith \& iw their differences be browiuht ints court ano suggested that menced by Winchester in April $\mathbf{8 6 \%}$ in the Festent Comp Court for the Discrict of Connecticu in the Federal Circuit

appeared vohumaxily. The pleadings of the parties are all that are on file in this case, it was never brought to trial.
Winchester asked that various revolser and cartidge patents acquired by Smith \& Wesson subsequent to i85s be conveyed to him as successor to the Volcanic Repeating Arms Cornpary: in accordance with a literal interpretation of the assignment. Smith \& Wesson answered thar this nowamient had never been intended to have such scope, and that if is had, enforcement

THE TIRST WINCMESTER
would be contrary to public policy. The whole procceding appears to have been a friendly one, possibly to set up an offset for Winchester in case suit were brought against his company on the Hicks patent.
The anticipated was not loug in happening, but Renwick the irustee, for reasons of strategy or comvenience sued in New York instead. As defendant he selected Charles H. Pond. New York agent for Winchester arms, who was clarged in May 28 go with selling infringements. The Pond ase came to trial in June 1872, and Judge Blatchford of the Federal Circuit Cours for the Southern Diserict of New York sustained the broad scope of the patent, finding Hicks to be the firse inventor of a practieal hook ejector." He held "it can make no difference, that the flange of the defendant's cartridge radiates outwardly from the longitudinal axis of the carcridge, and that the flange of the plantiffs' cartridge radiates inwardly" toward the same axis. "Nor can it make any difference that the defendant has a rigid flange in the cartridge, and causes the hook to spring to engage with the flange, while the plaintiffs have a rigid hook, and cause the flange to spring."
An accounting for past infringemenis was ordered, but in view of the extension of the patent 10,878 . Renwick brought another suit against Albert Cooper to enjoin any further sale of Winchester arms in New York. The situation was described in another extractor patem suit brought by George W. Morse:
On June 8,3872 , in the suit of Remaick v. Pond, who was the selling agent of the Winchester Arms Company, upon the Hicks evractor patem, a decree was entered by the circuit court for the
Southem distrin of New Yoik in fisole Southem district of New York, in favor of the validity of said pateat. The court said in its opinion that Hichs' invention "dates
back to a period shortly after the fourreenth of Aupnst, anterion to the date of the invertion stionh of August, 1855 . and anterior to the date of the invention shown in the Morse patent."
A suit upon the Hicks patent against the defendan A suit upon the Hicks patent againse the defendant in Connecticut

Exthactor patint mimbation
was apparenty imminent, which it feared would reouts in 137 injunction against the use of its extractor. Alsut the sume time a suit upon the same patent and a motion for a preliminar a suit upon the same patent, and a motion for a preliminary
imunction, was brought by Renwick against Allien Cooper, in the Southern district of New York. This suit was also delended thy

the Winchester Arms Company. A deliverance from the chreatened injunction in Connecticut was deemed of great importance by W. W. Winchester, the vicepresident of the company, The president was then in Turkey, making arrangemens for a large contract for arms with the Ottoman governmene.
In June, 1872 . Mr. Morse was applying for an extension of his patent before the patent-office, and was being opposed by the Winchester Company. About the time that the decision was ren dered in the Pond Case, Mr. Morse infortned Mr. Dodge the

"A Friendly Scout Sigoaling the Main Column" by Frederic
Reningko
Century Mengamis, March, ilign

EXTRACTOR PATKNT EITIGATIOX
 Lersy, that he. Morse, could furmish oral ant patent-office comtro that his gun, which was patented October 2X $18-1$. before August 24. 1855 . and that the docimieniany invented contained in a caceat inhich be had filed before this proof xas


> High Backed Wolf: Henry Rifle, Serial $2 \mathrm{~g}_{2!}$ The Houre of Yeserdeg, Hating. Nrebraita
W. W. Winchester, learning of Morse's assertion. negotiated with him for this prool, and in August paid him Stoworv cash plus a company note of Sos.oom. Part of the deal was that upon payment of the note Morse would gite Winchester a release against having infringed Morse's extractor patent. It turned out, however, that Morse's caveat, because of a confision of


Ivorystocked Model 'i6 Carbine with-Mexican Engle, Serial 21.92i Colletion of William M tooke
drawings, did not in faet prove anticipation of. Hicks, and ir was held insufficient for this purpose when the Cooper case came on for trial in September,' Judge Blatchford granted the requested injunction in New. York, and Renwick soon afterwards brought suit for infringement diredly against the Winchester Company in Connecticut

THE FIRST WINCHESTER
Caught between two fires, the Winchester Company refused payment on the \$15,000 note, with the result that Morse also sued for infringement. This case was not finally decided until 1887, when the Federal Circuit Court for the District of Connecticut cleared the Winctiester. Company of infringing


Modet 76 Rifie, "One of Onc Thounand," in the Winchester Museum, Serial io,ons
Phofogriph Coutcog of James I Serven
Morse's patent, also sustaining its defense against paying the note.

Mcanwhile negotiations commenced between Oliver F. Winchester and Smith \& Wesson for a settement of all litigation pending between them. Winchester asked for an assignment of Smith \& Wesson's interest in the Hicks patent. Their reply was that while their imerest was not in assignable form, shey would place it at his disporal. It was suggested that all suits be discontirnued if Winchester would henceforward pay

EXTRACTOR PATENT LITSGATIOA
Hicksalone a rovaliev of tzl/ sents per gum, this being one half of what. New York dealers twere then payiug to both parties
in interest Sueh basis of sete in interest. Such a basis of sertiement did not, howeter, appeal to Winchester, who apparenily was averse to paying amy royalty. His ariswer to the Renwick suit in Connecticut was


Winchester Rifies in the State Hisworical Society of North Baknta

1. Model -86, Calition, 50-10, owned by the Marquis de Meres 2. Moklel 186, Calibre $\$ 8,-6$. from Thendore Rookevelt' E Ekhorn
Kanch
2. Morich 76 , Calibre +5560 , matked "PECL" the Sioux name of

Chicl Gall
amended to set up some French patents as anticipationy- It already embodied the statement that the defendants had recently altered the designi of its guns "so that the said arms तre not within the supposed inverition of the said Hicks. I his was apparently a reference to the Model 78, wliwh still used a hook exiractor, although the firing-pia had been rhanged. Winchester's did in fact own several extractor modifications patented by James D. Smith February 27, 1866 and Nelson King August 28,1866 , but they were never used.

These defensive tactics appear to have been successful sitice the Renwick strit against Winchester's in Connecticut was not pressed for trial. Instead, another reissue of the Hicks patent was obtained, with the sole interest therein held by Hicks:" This step extricated Smith \& Wesson from an embarrassing position. Hicks alone then stated suit in the District of Connecticut against new defendants, the Whitney Arms Company


Model 73 Riffe, Calibre 32 W.C.F, in the Woolaroc Museum, Frank Phillips Ranch, Bantesville, Oklahoma
and Eli Whitney, Jr., its president, for violation of his reissued patent ${ }^{\text {TV }}$ In 1875 he brought another action in the Southern District of New York, charging Edwin S. Harris, a partner of Albert Cooper, with selling Wiachester infringements since the latest reissue." Neither suit reached the point of decision aldhough testimony was taken in the Whitney case, where the deferidant employed the same counsel as represented Win. hester's. It may be that some setiement was arranged.
Likewise neither of the earlier actions in Connecticut came $t 0$ trial before final expiration of the Hicks patent in 1878 .

EXTRACTOR PATENT DHTGATION
43
Ars testified as a witness on behaff of the Winchester Company against Monse. thus paying off an old score. Winchester's suit against Smith \& Wesson was discontinued December 9. 1879, and Renwick's against the Winchester Company January 5. 1880. Hicks' action against Whitney was discontinued in 1889 and that against Harris remained pending, though dormant, until 1916. So far as known, no royalty was ever paid directly by Winchester's under the Hicks patent. As is president once wrote to another patentee, he preferred to "fight rather than talk:

$44^{6}$
THI ELRST WINCHESTER
with the Louisiana Purchase. He never finished his design of carrying the narrative through the war with Mexico. When the West that Roosevelt described was won, i.e., taken from the French, the English and the Indians, there still remained a trans-Mississippi West to conquer. It fell in segments, the


Model ' 66 Carbine inscribed "W"B. Whetmore 6th Cavalry" Second Licutenant, U.SA, 1872 to 1876

Collectuon of Gerald Fox
near regions along the rivers and the far areas of the Pacific Coast before the Civil War, ${ }^{\text {+ }}$ leaving unvanquished only the center portion, the Great Plains and the Rockies. Even there, as in Colorado, Nevada and Utah, centers of white seulement Rourished. It was then the unoccupied West of the plains and mountains that remained for winning when the Winchester came upon the scene:
We are told by historians of the post Civil War era that completion of the transcontinental railroads was the dominant factor in opening this territory.' The Union Pacific and Cen-

THE GUN THAT WON THE WEST?
tral Pacifie joining at Promontory Point, Utah, in 186 fig were the first across. They were followed by the Sianta Fe's juncture with the Southern Pacific in 188 , and the Northern Pacific's with the Oregon Railway in 188\%. Other lines crossed the continent later to provide competing transportation, but ex-


Model "66 Rifle "Presented to Erwin Want by O. E, Winchester, Eim Jan. 1st 1868 , Serial 16,001

The recipient was an ex-emplovee of the Nes Haven Arms $\mathrm{Co}_{0}$.
Collection of Maurice C. Clart
cept for the Canadian Pacific, completed in 1885 , litele new land was opened. General Sherman was thus able to repors to the Secretary of War in 1889 :

Nothing has occurred to disturbs the rapid development of the great West, which is now completely open to the immigrant in regions where a few years ago no single man could go with safety. . . I now regard the Indians as substanially eliminated from the problem of the Army. There may be spasmodic and temporary alarms, but such Indian wars as have hitfierto disturbed the public peace and tranquility are not probabtes the Army has been a large factor in producing this resule, but it is nat the only
$14^{8}$
THE FJRST WINCHESTER
one. Immigration and the occupation by industrions farmers and miners of lands vacated by the aborigines have been largely instrumental to that end, but the ruilroad which used to follow in the reas now goes forward with the picket-line in the great batte of civilization with barbarism, and has become the greater cause. The recent complecion of the last of the four great transcontinental lines of railway has settled forever the Indian question.

Building of the early roads through Indian country of course involved the use of firearms, mainly in the hands of troops guarding the surveyors and track layers. The protective task usually fell to detachments of United States Cavalry, whose official shoulder arm until 1879 was the Spencer or Sharps eatbine, after that the 45 Springfield. Infantry companies garrisoning frontier posts carried Springfield muskets, breechInading by 1868 Such military forces, supplemented by scouts and packers, undertook the advance expeditions and fought the more remote engagements with hostile Indians. Thus Captain Anson Mills infantry at Fort Bridger in 1867 exchanged Springfield muskets for Spencer carbines to escont a Union Pacific survey party through the Rockies to Oregon? Colonel Forsyth's scouts at the Arickaree River in 1868 stood off Roman Nose with Spencer carbines and Colt revolvers." Major North's battalion of Pawnee Scouts defending the advancing rails of the Union Pacific in Wyoming had Spencers, ${ }^{20}$ as did General Stanley's cavalry escorting Northern Pacific surveyors on the Yellowstone in $1873^{21}$ When General Crook fought the Sioux at the Rosebud and General Custer attacked them at the Little Big Horn in 1876, their troopers used Springhields and Colts. The few Henrys and Winchesters seeing action in these fights were, ironically enough, fired by Indian combatants, " Thus, it any gums won the West by opening a way for the railroads, credit belongs primarily to the Spencer, the Springfield and the Colt.


The Marquis de Mores. Medora, D. En 1886 Courlesy of Louns, Duf de Vallombiona

150
THE EIRST WINGHESTER
The western railroads brought professional buffalo hunters dose to what had been Indian hunting grounds and took out, from such places as Dodge City, Cheyenne and Miles City, the hides that most of them came for. Killing off the bison, substantially effected by $188 \%$, was a means advocated by the military of holding the Plains Indians on their reservations, where the only meat supply remained. But the hide hunters


From the Austin City Directory, 1877 Courtery of The New-York Historical Socicty
generally employed heavy Shatps rifles so that the credit or discredit for the buffalo slaughter does not attach to the Winchester." Buffalo Jones, for instance, ${ }^{\text {,x }}$ favored his Henry riffe for close quarters but used a Sharps to kill bison. In his opinion the buffalo hunters conquered the whole Indian race-not by unerring aim at the red devils themselves-while perchance they encircled the camp, or in combat when they often met; but simply by slaying the buffalo and thereby cutting off their source of supplies.
With many civilians on the frontier the Winchester gained carly and steady favor as a weapon for self protection. Cowmen and sleeepherders were advised in case of Indian attack ${ }^{\text {¹ }}$ to "get into a buffalo wallow with a Winchester." Frederic Remington and Charies M. Russell have both dramatized its defensive use in paintings, some of which show the "yellow boy"

THE GUN THAT WON THE WEST?
distinctlyn" With much justifieation the company could say of its arm in the 1875 catalog: "It has become a houschold


Winchester Letterheads. 1878 60 3882 Courtery of Colls: Afavilacturing Corapany
word, and a household necessity on our western plains and mountains. The pioncer, the humter and the trapper. believe in the Winchester, and its posession is a passion with every Indian." Such a reputation had of course been won primarily by the Model '66. The fire power of this repeater unquertion-


However tempting the phrase it is in the author's opinion dubious to name any gun as the one that won the West. Many arms and far more significant factors entered into the winning, a concept demonstrated to be itself variable in time and place. Inescapably the rhythmic slogan with its implied superlative has the sound of later day advertising: In its evolution to "a favorite arm with the western prairie men," quoting the commissioner of the Northwest Mounted Police, and the best magazine rifle for sporting purposes" at the Philadelphia Cenuennial, the early Winchester has a much surer and fairer claim to laurels.
Yet in the conquest of popular fancy, the gum won more than the West. Like the name Colt, that of Winchester became in a few years the proper noun for a type of arm known the world over. So the Oxford Dictionary "recognizes it, not only as a place name in England, but as "the designation of a breech-loading riffe. . . ." The University of Chicago's Dicthonary of Americanisms "t completes the definition "usually of a lever-loading, tubular magazine type, manufactured by the Winchester Arms Co ." Any suggestion of a generic meaning is avoided, perhaps purposely, by Webster's latest dictionary ${ }^{2}$ in defining the term as "a trade-mark." But to readers of literature generally, the word imparts a clear picture, just as it did sixty years ago to Robert Louis Stevenson when he wrote "f of the revolt in Apia: "Under the trees on the further bank sat a picket of seven men with Winchesters; their faces bright, their eyes ardent. As we came up, they did not speak or move: only their eycs followed us. The horses drank and we passed the ford."

## APPENDIX: Turkish Contracts

## CONTRACT OF NOVEMBER 9. 1870

Between His Excelicner Hisucin Avni Pasha, Mimster of Wari acting in the name and on behalf of the Imperial Ottoman Goo. cinment, on the one part,
And Messis. Azarian, pire and fils, acting (in virtue of the powers that Windrester Repeating Arms Company has conferred upon them, powers which are found confirmed in the duspateh of this company to H. E. Hussein tvni Pasha, Mirister of War, dated the sth of November. 1870 , of which a copy is annexed to the presentcontract), in the name and on belailf of Winchester Repeating Arms Company, of New Haven, Connecticut, of the United States of America, on the other part.
It has been agreed and determined as follows:
ARI 1sT.-The Imperial Ouoman Govermmeat purchases of Winchester Repeating Arms Company fiffeen thousind ( 15,000 ) Winchester Repeating Muskets, withour bayonets, and five theosand ( 5.000 ) Winchester Repeating Carabines, simitar in system. calitire and dimensions to the two samples submitted to the Im. perial Govermment, and sealed by the two parties and containing the same component parts,
AkI. 2D: - The lifteen thousind muskers and the five thonsand carabines above mentioned muse be of the firse qualits, botb in the materials employed and in the workmanslip: all the first materials which enter into the manuficture of the suid arms shall be minutely and previousty impected in detail: all the phases of their manufacture shall be rigorousty inspected during the de
livery eiflec of their integral paris. of of the whole number of pieces finistied; by the delegates appointed on the pant of the Imperial Ottoman Gowernment, or by official contwolers dexig nated on the part of the Government of the United States of America, if the Imperial Govermment wishes it. These delegates dall be deaignated in the space of one month, beyinning from the date of the present contract, and in either case the experises of the examination and of the inspection will be charged to the Imperial Ottoman Goyernment.
Akt - $\mathrm{p}^{0}$-Dhuing the delivery of the arms inspected conformably to the preceding artiele, they shall be rested in the required number by the delegates until competent evidence of their perlecrion and of their adaptation to the use to which they are dectingt conformably to the regulation in force on this subject.

Amr, 4Th. The Winchester Repeating Arms Company engages to begin the delitery of the above said twenty thousand arms not later than the first of famuary, one thoosand eight fundred and acvency-otie, and before, if postible at the rate of at least a thousand armx a week.
Ave 5wh - The delegates of the Imperial Government, or those appointed an the wish of the Ottoman Government by that of the Inilud Stites of Ametica, shail setiver to the above mentioned compant at each delivery of shid arms, a cerificate in duplicate stating the degree of quality required in the first materials, as well as the inspection of the parts during the manufacture, and of the shoie of the work, at the same time the crial experienced in pof ance of the regulations in force on this subject of the arms delivered according to the 2d and 3 d arricies of the present contract.

Akx. 67 H - The Imperial Ottoman Government accepts the abone mentioned twent) thousand arms at the following prices: Fifieen thmisand ( 15 noon) Windiegter repearing mukets, without bayazets, at the peice of isentyeight ( $\$ 28$ ) dollars in paper, with discourr of five per cent, payable ready money in gold, at the rate of 117 lume bundred and etentern), and deliverable at the wharf at New York as the ex penser of Windiester Repeating Amms Com-pany- five thousmel $(5,000)$ Windicater repeating carabines, at the price of tweiny ( $\$ 20$ ) dollans in papet, with a discouns of five per ceiil. payable in gold, teady tnoney, at the rate of 517 (one hun-

APEKNDIX
dred and severiten). and deliverable at the whart of Nof 157
ated and severteen), and deliverable at the wharf of New York at the expenses of the said Company.
The packing expenses and the prices of cases atall be charged to the Imperial Ottoman Governmeni.
AKr. $7^{\mathrm{HH}}$-The Imperial Qremman Government shatt designate, in the space of one mumth at the latest from the date of the present contract, the banker who stall make these payments to the foresaid Company in Anierica, againse the bill of lading to the wharf of New York, with the cerrilicate of inspection and exami narion acrerding to the -2d, od, ant fith artides hercinlectore

Ant dint-In case that the abore said Company thall wot deliver the number of, at leas, a thomand pieces a week, it engaget to complete this quantity in the same time that it will effect the delivery of the Following week, and in ase that in should not ctumplete it then, it engages to make a reduction of ten per kent on the price of each arm delayed, obliging itself at the atoe time to complete at the next delivery the number wanting in the preceding.

Akx. 97 H - If is welf imderstood that thr present comract witt fot be execuled by Winchester Repeating Arms Company in case of superior force.
Donic in duplicate for one single and same purpene. in Can stantinople, the ninth of November, one thousand eight luundred and seventy Nis.

The Minister of War,
(Sig) HUSSEIN,
For Winchester Repeating Arms Company.
(Sig.) AZARIAN. Pere and Fils,
Agents.
CONTRACT OF AEGE'ST 19. IS7,
Rerween His Excellency Bussein Ivmi Bavha. Minister of War. acting in the name and on behalf of the Imperial Otcoman Gow. ermment, on the one part.
And Mesuy Azarian pere and fib, of Crissantimople, acrint in the name and on belialf of Winchester Repraing Arms Company. of New Haven, Comnectiont, in the United States of America (by
virtue of power of attorney from that Company, dated June 13 . 1871, of which a copy is hereinafter), on the other part,

It has been agreed and determined as follows:
Art. IST.- The Imperial Ottoman Government purchases from Winchester Repeating Arms Company thirty thousand ( 80,000 Winchester repeating muskets, without bayonets, in all respects similar to the fifteen thousand muskets delivered in virtue of the contract of ninth November, 1870 N.S., which sale is confirmed by the dispatch of this Company to the Imperial Ministry of War received the $7^{t h}$ of August, 1871 , and of which copy is equally hereinafter.
ART. 2D.-The aforementioned thirty thousand muskets must be of the first quality, in the materials employed as well as in the workmanship. All the first materials which enter into the manufacture of the aforesaid arms shall be minutely and previously ex amined in detail; all the phases of their manufacture shall be rigorously inspected during the delivery either of their integral parts or of the whole number of pieces finished, by the delegates appointed on the part of the Imperial Ottoman Government, or by official controllers designated on the part of the Government of the United States of America, if the Imperial Government wishes it. These delegates shall be designated in the space of one month, beginning from the date of the present contract; and in either case the expenses of examination and of the inspection shall be charged to the Imperial Ottoman Government.
ART. 3D-As long as the arms shall be inspected conformably to the preceding article, they shall be tried in required number by the delegates, until the complete evidence of their perfection and their-adaptation to the use to which they are destined, conformably to the regulations in force on this subject.
ARI. 4 TH.-The Winchester Repeating Arms Company engages to begin the delivery of the above said thirty thousand arms on the fifteenth of September, 1871 , at the rate from four hundred ( 400 ) at least to two thousand $(2,000)$ maximum muskets a week at the option of said company
ArI. 5 Th. - The delegates of the Imperial Ottoman Govern ment, or those appointed on the desire of the Ottoman Government by that of the United States of America, shall deliver to the

## APPENDIX

159
above mentioned company, on each forwarding of said arms, certificate in duplicate, stating the degree of quality required of the first materials as well as the inspection of the parts, during the manufacture and of the whole of the work, at the same time the proof made, in pursuance with the regulations in force on this subject, of the arms manufactured according to articles 2d and grd of the present contract.

Art. 6 Th. - The Imperial Ottoman Government accepts the above mentioned thirty thousand muskets at the price of twentyabove mentioned thirty thousand muskets at the price of twenty-
eight dollars $(\$ 28)$ in paper each, with a discount of five per cent. (5 p. c.), payable in gold, at the rate of one hundred and seventeen (117), and deliverable at the wharf at New York, at the expense of the Winchester Repeating Arms Company.
ART. 7 TH. - The Imperial Ottoman Government engages itself to pay each week, beginning from the 3-15 of September, 1871, and on account of the price of the said arms, the sum of one thousand five hundred pounds sterling $(£ 1,500)$ to Messrs. Azarian, père \&- fils, of Constantinople, agents of Winchester Repeating Arms Company, who in their turn will remit them to their agent as in the past.
Art. 8th. - The cost of the cases and the packing, fixed at two and a half dollars ( $\$_{2} 1 / 2$ ) currency per case of ten arms, as well as the costs of inspection and insurance, will be charged to the Imperial Ottoman Government
The Winchester Repeating Arms Company will pay these expenses proportionally to each delivery, and will furnish for their amount in pounds sterling letters of credit at thirty-five days from date on the Imperial Ministry of War.
Art. 9тн.-The Winchester Repeating Arms Company is charged with the forwarding to Constantinople of said arms, conformably to the instructions which shall be given on the part of the Imperial Ministry of War
Done in duplicate for one single and same purpose, in Constantinople, the $7-19$ of August, 1871 .
(Sig.) HUSSEIN.
(Sig.) AZARIAN, père \& fils,
Agents of Winchester Repeating Arms Co.
virtue of power of attorncy from that Company, dated June a 1871, of which a copy is hereinafter), on the other part.

It has been agreed and determined as follows:
ARt. 1st--The Imperial Ottoman Goveriment purchases from Winchester Repeating Arms Company thirty thousand ( 90,000 Winchester repeating muskets, without bayonets, in all respect similar to the fifteen thousand muskets delivered in virtue of the contract of ninth November, 1870 N.S., which sale is confirmed by the dispatch of this Company to the Imperial Ministry of War. received the $7^{\text {th }}$ of August, 1871, and of which copy is equally hereinafter.

Agr, 2b-The aforementioned thirty thousand muskets must be of the first quality, in the materials employed as well as in the workmanship. All the first materials which enter into the manufac ture of the aforesaid arms shall be minutely and previously ex amined in detail; all the phases of their manufacture shall be rigorously inspected during the delivery either of their integral pans or of the whole number of pieces finished, by the delegates appointed on the part of the Imperial Ottoman Government, or by official controllers designated on the part of the Government of the United States of Amer ca. if the Imperial Governmen wishes it. These delegates shall be designated in the space of one month, beginning from the date of the present contract; and in either case the expenses of examination and of the inspection shall be charged to the Imperial Ottoman Government.

ARI. 3D.-As long as the arms shall be inspected conformably to the preceding article, they shall be tried in required number by the delegates, untit the complete evidence of their perfection and their adaptation to the use to which they are destined, conformably to the regulations in force on this subject.
Akr, \&TH-The Winchester Repeating Arms Company engages 1 a begin the delivety of the above said thirry thousand arms on che fifieenth of September, 1871 , at the rate from four hundred ( $\mathrm{f}=00$ ) at least to two thousand ( 2,000 ) maximum muskets a week,
at the option of said company.
Akr 5 Hit- The delegates of the Imperial Outoman Govern bent: or those appointed on the desire of the Outoman Govem ment by that of the United States of Ameria, shall deliver to the

APPENDIX
159
above mentioned company, on each fonvarding of said arms, certiffate in duplicate, stating the degree of quatity required of the first materials as well as the inspection of the parss, during the manufacture and of the whole of the work, at the sime time the proof made, in pursuance with the regulations in force on this stblject, of the arms manufactured aceorting to articles $2 d$ and grd of the present contract.
Akt. 67H.-The Imperial Ottoman Government accepts the above mentioned thirty thousand muskets at the price of twentyeight dotlars (\$28) in paper each, with a discount of five per cent. (5.p. e.), payable in gold, at the rate of one hundred and seventeen (17). and deliverable at the wharf at New York, at the expense of the Winchester Repeating Arms Company-
Aks. THE-The Imperial Otoman Government engages itsell to pay each week, beginning from the 3.15 of September, 1871 . and on account of the price of ihe said arms, the sum of one thousand five hundred pounds sterling (Cf,goo) to Messrs. Azarian. pere \& fils, of Constantinople, agents of Winchester Repeating Arms Company, who in their turn will remit them to their agent as in the past.
Art. 8rh. - The cost of the cases and the packing, fixed at two and a half dollars $(\$ 2 / 2)$ currency per case of ten arms, as well as the costs of inspection and insurance, will be charged to the Imperial Otoman Government.
The Winchester Repeating Arms Company will pay these expenses proportionally to each delivery, and will furnish for their amount in pounds stering letters of credir at thirty-five days from date on the Imperial Ministry of War.
Art. gri.-The Winchester Repeating Arms Company is charged with the forwarding to Constantinople of said arms, conformably to the instructions which shall be given on the part of the Imperial Ministay of War.
Done in duplicate for oate single and same purpose, in Constantinople, the $7^{-19}$ of August, 1871
> (Sig.) HUSSEIN:
(Sig)
> Agents of Winchester Rep

CORRESPONDENCE WITH V. AZARIAN \& CO
New Haven, Conn., May grd, 1870 .
Mexts. V. Azarian \& Co.
Boston. Mass.
GENTEMEN:-Your favor of the and inst. is at hand. The substance of your letter is, as I understand it, that I should promise you a commission on any sales we may make to the Ottoman Goremment, whether the order comes through you or not. Under the circumstances I cannot do this, nor do I think you should ask this. Had you been the first one to engage in this matter 1 could have done so, but several other parties have been giving their attention to the matter, and to each 1 have promised a commission if the moder comes through them, but-not-otherwise. Vou will see that if I did by them as you wish me mo do by you, I should have at least four commissions to pay, and should have to refuse the order if it came, as it would break es to pay them all. If we should receive an order we must be governed by the circumstances under which it comes, and it may come through some party to which we are under no obligations in the form of a promise. In that case we should be in condition to meet your wishes, but any further of more definste promise would lead to serious embarrassments.
There are no second-hand Winchester or Henry carbines on hand, nor any Henry rifles in the markec, new or old, and no more to be made, for the reasons you mention.
These facts I communicated to Halil Pasha before I had any lecter from you on the subject.

I am
Very truly yours.
O. F. WINCHESTER.

Pres't W. R. Arms Ca. Per Vfader.

Messtr. V. Azartan \& Co.,
Nrw Havex, Conv., July 23. 70. Boston, Mass.
Gevihamen-I am in receipt of your favor of the zoth inst, in which you state that "Affer our Mr. A's interview with you last

APpendix
16)

Friday we communicated to our house at Constantinople the result of our conversation, without mentioning, howeler, your promise that you would withdraw your prices from the other three parties and leave the matter clear in the hands of our house.: To suffer this statement to pass without contradiction, would or might be construed into an assent to is correctness. My remarks on the subject was not in the nature of "a promise" to wou, nor do I admit being bound by any obligation to you to do the thing mentioned. What I have done, and still propose to do in that direction, was and is independent of your relarions to to in in the direction
matter.

1 am yours, respectfully.
O. F. WINCHESTER Pres't. IV, R . 4 rma Co

Per Veader.

New Haven, Cosx., Sept. 24. 1870.
Messts. Azarlan \& Sons,
Pera, Constantimople. Turkey.
Gentlemen:-Many relegrams have passed between the Turkish Government and ourselves lately, and we have aloo received one from yous to which we replied recently, but in all these these is much want of clearness and much confasion of ideas,

I now write for the purpose of trying to state dearly what I an willing to do. I stiould be pleased to sell the Turkish Government five, or fifty thousand of our guns, if I can make anvthing on them. To this end I gave you a list of our lowest prices, and made theni subject to a commission of 5 per cent. In reply to your telegram I offered to make a discount of 5 per cent from the prices quoted to you and to the Government since your Mr. V. Azatian left this country. On the net priees thas quoted we will pay you a commistion of 5 per cent.

This is the best we can do. The offer mate is by the Covernment was simply ridicutous. You say in sour telegaam that the Belgium Winchester is offered them cheaper: very likety, bot we do not make the cheap kind of work done in that couniry if is is good enough for the Turkish Governiment they will buy them

THE EIRST WINCHESTER
Your Government does not seem to understand the methad of doing business in this country. We are not in the habit of asking twice as much for our goods as we expect to get. We ask only a moderate profit and cannot work without and give good work.
We are now building a new and very extensive armory in this cite, and propose to remove our works from Bridgeport (seventeen miles from this city in about one month.
If an order is received before we move, we can finish it by deferring to move untit the order is completed; if it is not received betore we move, it will not be possible for as to commence on the order until we have completed our moving and fitting up and this will accupy us until the frst of January. Hence you will see the necoessity of our recciving the order promplly. if the Government is in any haste to bave it finished.
We have all we can attend to now, and shall have to refuse all further orders unvil yours is completed. I have, therefore, to ask you to telegraph at once on receipt of this, what your prospect is of closing a contract, so that 1 can make my arrangements accordingly.

I am yours very truly.
O. F. WTNCHESTER

Presuden Winchester Repeating $A \mathrm{rms}$ Co. Per Veader.

New Haven, Conn., Oct. 7, 1870.
Mestrs. Azsiuin. Pere of Fils, Constantinople, Turkey.
Gentitmine:
I am in receipt of your csceemed favors of the 12 th, 13 th and tith inses. lo which 1 have replied briefly by cable.
I now propose to write to you definitely, so as to prevent any erross or misunderatanding
Firs, I would say that no persons but yourselves are authorized to make any contracts for us widh the Ottoman Government, or any department of that Government, at any price. The party who made the proposition to formish our arms at a less price than that giofed to you in my lever of April 7 , is ona and to deposit $\mathrm{f} 10,000$

## APPYNDIX

as seculity, is a swindle, who cannot carry out his promise, and
will not put wo the moner I trum wil not put up the money. I trust this is decisive
On the gth of April last I oficred, through your house, to furnish
Halit Pasha wich twenty thousand ( 20,000 ) of our arms at the
following prices, viz:

> Carbines, Muskets with angular bayonets . $\$ 8750$ $\begin{aligned} & \text { ". } \\ & \text { ". } \\ & \text { sword }\end{aligned}$

Subject to a commission of ( 5 ) five per cent. on the net amount of sales.
1 now authorize you to male a discount on thase prices in (5) five per cent. to the purchasers, and will then allow vou a commission of ( 5 ) five per cent, on the net ampunt of sales, after dedacting the above discount.

The prices we give are always in correney of the United States or, in lieu thereof, we will receive gold in payment at tit it premium of (15) fifteen per cent.
Packing-cases are always an extra change. The price for these is $\$ 2.50$ for each ten guns, net: that is to disomat on them. but gold wall be recesved for thern at the same rates as for the grans.
Another condition is, that the purchaser shall receive and pay for them as fast as we can get them ready for deliverv, in lots of not less than one thousand ( 1,000 ). We will deliver them here or in the city of New Yonk, withour charge. To prevent any misunderstanding, I send a pro forma invoike, showing the amount of one thousand guns of each kind-lhree thousamd it all. Of course, you can divide your commissious with the Goverument of not-that is as you please: but we are now to he subjected to any other claims or charges of commisaions from any one, of any description.
It would afford us much satifaction and pleasure to be alile to furnish the hortorabic gentemein af the head of the Army and Navy of your Government with our arms, mid is is for this reaton we have made such farte concestions in our prices and ferms I desice, however, to say that these are the lowest prices and best terms we can stbitit to athd under no circursatances can we fedtice
them any more. I say this simply to save time, and in hope to bring the matter to a prompt decision. This is important to us. as we now have two other governments in treaty with us, and we can furnish but one, and that one will be the one which first reaches a favorable decision, as we cannot reject a certaincy
We annot flurnish these arms as soon by two months now, as we could have done one month ago, as we then had several thousand on hand which are all sold, and we are now selling all our guns as fast as we can make them, at prices netting us five dollars more than the price we give you.
We have sold all our Spencer arms at prices fifty per cent higher than we offered them to Hahil Pasha for last February.
Should H. E. Mahmoud Pasha prefer the Sporting Rifle with octagon barrel. we can furnish them, but they are more expensive than the regular Infanury Rifled Masket. They will cose (30) thirt dollars without bayonets. (33) thirty-three dollars with angular and (34) thirty-four dollars with sword bayonets, subject to the same discount, commissions and terms as stipulated for the other arms.
I have endeavored to cover all the needful questions in this matrer, and as clearly and forcibly as in my power, and trust they are sufficient to remove all embarrassments that you complain of. and enable you to obtain a prompt decision in this matter.

I am yours verv truly,
Q. F. WINCHESTER, President Winchester Repeating Arms Co.
P. S.-Ft will be seen from what I have written, that any contract yous may make must be with the reservation that it will not be binding on us, if we have previously made a contract with any other forrty that shall make it impossible for us to execute yours. Fo obviate this difficulty, however, you have only to telegraph the us, shen you shalt have arianged a contrace, thus: "Yes, for fifteen thousand" (more or less, as the case may be); or as soon as you akertain that nonie cai be made upon the terms offered, telegraph "No." This I shall understand, and will reply" "All right,"

## APPENDIX

Mestrs. Azarian, Pere \& Fith Haven, Conn., October 12, 1870. Constantinople
Gentlemen: We are in receipt of your esteemed favor of the $19 t h$ ult. We responded to your leteers of the 12th, I gith, and 1 the
on the
th inst on the 7 th inst.
In reply to the remarks of H. E. Hussein Avmi Pasha, I would say that twe will sell the royalty to make our guns to him at ( 52.50 ) two dollars and fifty cents each. We are, however, unvilling to do so for this reason, vie:

Our gun requires great exactitude and perfect workmanship to insure its working with entire satisfaction, and there are not three establishments in Europe that I would trust to make them: he cause, if they are not well made, the reputation of the orn woold suffer, and we would be grear fasers in consequence. And especially do we object to the gunmakers of Belgium: there is not one capable of making this gun properly: while their prices are the
lowest, the quality of arms is notoriously the worst in Enrope.
Nor can any of them make tire gums as quick as we can. We can make and deliver here $(20,000)$ twenty thousand guns before any one in Europe can get the first gun finished, because we have our tools and fixtures in complete working order and are nows turning them out every day, increasing the quantity, while it would take any other concern six months or more to get ready, no matter what they may say to the contrary.
We are selling all the guns as fast as we can make them; at (5) five dollars each more than we offer to furnisht them to you at. I have refused to sell any more at present, in order to give you your order with great expedition. I bave therefore reserved (s.000) five thousand to deliver on your order in thiris days. We cannot. however, afford to do this long on an oncertainty. I telegraphed yesterday that I could do this if we got vour abswer in twentyfour hours. I will, however, keep ourselver in a condifion to do this until the frrst day of November nexs, by which time you will have received this tetter and niy pevious ons. To do this will be attended with a loss of ( $2,5,000$ ) twenty-five thousand dollars on the five thousand guns we stall thuk carry, besides the üterest and, as you must see, we are kept in a sery embartawing position.

There are patent laws in all the countries of Europe except Switerland, and perhaps Turkey, and we have patents in England. Belgium, France Russia, and nearly every other country in Fu. rope. We will send the samples you wish by the first opporturity
Trusting that you will be able to decide this matter promptly, by convincing the Minister of War and Navy of the liberality of our concessions. viz:
First-(5) Five per cent., and then taking gold at one hundred and fifteen, when in all probability it will not be worth over one hundred and ten when we receive it-a concession virtually of ten per cent.-which will take, with your commission, nearly all the margin we had estimated for the profit we hoped to make on the order.

I am, yours very truly.
O. F. WINCHESTER.

Presidem Warchester Repeating Arms Co

$$
\text { New Haven, Conn., Nov. } 7,1870 .
$$

Messts, Aztrian Pere \& Fils Constantinople,

## Gentlemen:

Your disparch of the $q^{\text {th }}$ inst., as follows-
"Winchester Company.
New Haven, Conn.

Your Saturday telegram just received. Have sold to Furkish Government-seventeen thousand muskets, without bayonets, at twentyeight dollars; and five thousand earbines at twenty dollars currency, as per your telegram to War Minister dated August thiriy-first; discoumt, five per cent: payment, cash on each delivery. gold, at one hundred and seventeen; delivery in New York, one thousand per week, beginning january ist-sooner if possible. Telegraph War Minisrry, ratifying sale we have made in your name, in order to sign eonitrikt. Telegraph us also.

> "Azarinn, Constantinople."

On receipr of the ahove I telegraphed as follows to the Minister of War:

Hussetin, Minister of War "Constantinople.
"We are advised that our agent has accepted your order for five thousand carbines and seventeen thousand muskets at the price quoted in my dispatd to you of August thinty-first, leas a discount of five per cenr. payable in guld at one hundred and seventeen. We confirm their action; the order shall be promptly filled.
"Wincuestek:"

And we relegraphed you simply "All right." I noticed shat you quoted twenty dollars as the price for which you sold the rarbines but as I had never quoted that price I prestme that it was an error of the telegraph operator, but on thinking it over sinee. it has occurred to me that thie error was just as likely to have occurred in my dispatch to the Mimister of War of the 3 to have of Augured as in my dispatch to the Mimister of War of the $315 t$ of
in yours. My dispatch of August $313 t$ read as follows:
Hussern, Minister of War.
Constantinople.
Muskets twentyeight dollars, Carbines twenty-even dollars. Additional for angular bayonets, two dollars; for sword bavonets. tour dollars. Packing cases for each ten gurss, two dollars and fifty cents. Caxtridges, twelve dollars and sixty cents per thousand, All in U. S. currency. delivered in New York. Cannot give prices delivered in Constankinople.

## "Winchester.

From this you will see that I quoted earhmes at twenty-seven dollars, being fifty eenss less than I had ever before quoted. I did this as a concession that I thought would have a good effect. I have had that dispateh repeated back from New Yook, and find thar it left that city correct. It the misake did not nctur in transmitring your mesage of the fth inst, will you have the kindress to esamine my relegram of the gtst to the Minister of War, and see how it reads. If the telegraph company have made this mistake, are they not iesponsible: You will readily sce, that if such a mistake has occurred, it is a xery serious matter to us, is it makes a difference of seven dallars per gun on the thousand guns-or thitt five thousand dollars. Phis would be attended with an absolute
lossto us of ewenty-five thousand dellars, or all the profit we hoped to realize on the entire contract. It is possible that the Minister may not have read it correctly, or that the message was translated wzong,

The price of cartridges we quoted to you was twelve dollars and sixty cents per thousand; we will furnish them at twelve dollars net. This is the same discount as made on the guns. There is no profit on them at this price, and we can pay no commissions on them. We will furnish the shells (copper) complete, primed with fulminate, at (6) six dollars per thousand. In both of these cases boxes are included, and delivered in New York, Your inquiries about the cost of a set of mactinery are not so easily answered, as there are seyeral makers of these machines of different degrees of reputation, whose machines differ in style and quality of work: of reputation, whose machines differ in style and quality of work:
and kind of machine there are from threc to six sizes, and of each kind of mactine there are from threc to six sizes,
ado large and small cartridges; then there are different kinds of carridges, viz, centre and rim-fire. The centre-fire cartridge requires much more machinery than the rim-fre, like ours.

Again. if you had but-one kind to make-say, a small size rimfire, like ours-smaller machines would answer; but to make two sizes, you must have machines heavy enough for the largest cartridges, and then it will make the smallest ones as well. So, too, when gou have more than one size cartridge to make, you must hare an additional set of fixtures for each different size-to change when you wish, \&oc.
You will thus see that while it is a simple question to ask what a set of machinery will cost, it is a very complicated one to answer. One thing is wery certain, viz: That, in the long fun, the heaviest and best machanes, at any reasonable cost, are cheaper than light ones of inferior quality.
I inclose you a page cur from an Ordnance Manual just published by our Government, showing the kinds and number of machines required to make one hundred thousand cartridges per day: to this I have added the prices. I also send other estimates of the cost: all these reter to medium sized machines and medium quality, and the cost will not vary much from thirty-three thousand dollars. I presume the machinery that our Government uses cost dosble that, as they wilt have none but the very best machines.

## APPENDIX

Forty thousand dollars, gold, would in my for $\quad 169$ as would procure what vour Government judgment, be as little Govesnment has no eyprienes of whment should haves, is your would be to put the matter and money for the pert true policy hands of some honest mater and money for the purpose in the hands of some honest man, with the besc instrucrions they can give
trim, and leave all the rest to bis him, and leave all the rest to his discretion. I will send by European express to you a copy of a new work just published by our Government, giving resules of experiments wich cartridges: also drawingi or photographs of all the machines used in making cartidges, \&e
You svill please present this to Halil Pasha, Grand Master of
Artillefy. I think it will prove of interest and value to him
If any shanges from the model gun that you bave, are required particularly if iton mountings are wanted instead of required, gun-metal, we should be advised at once, as it will tapper or months to make the change. I have litte doubt but the mistake in price is in your telegram to me. If it should prove to be made in the transmission of my telegram to Hussein, then we are bound by your contract, and must look for redress to the Cable Telegraph $\mathrm{C}_{0}$.

1 am yours very truly.
O. F. WINCHESTER,

President Winchester Repeating Asms Go



Patent of February 14 th, and the reissue of October ioth 1854 (No. 279), sulficiently reliable to adopt, and put in the market for sale, but have always used the hollow ball It has been esteemed an object of value to secure such improvements as would insure a cerrainty in the use of the metallic cavtridge with a solid ball. To that end, the Volcanic Arms Co. employed skillful mecthanics, without success. For the last two years 1 have pursued the same course, and have employed Mr. Henry as superintendent of our armory, with the understanding that he should give this subject his special attention. The result is now before you in the improvements which he claims. I esteem these to be new and valuable, and trust he may be successful in his application." Complainant's Main Case. Morse Arm M/g. Co. V. Winchester Repeating drms Co, p. 399.
9. Patent No. 10,585 of February 14, 1854 : reissue No. 279 of October 10, 1854: Patent No, 11,496 of August 8, 1854: Patent No. 14,147 of January 22, 1856.
10. Patent No. 27.933 of April 17.1860: reissue No. 2,696 of June 4, 1867.
11. Letter of June 11, 1861, O, R. Series III, Vol, 1, p. 264
12. Letter of December 9, 1861, O. R. Series III, Vol. 1, p. 733: see also Sen. Doc 72,37 th Cong. 2nd Sess, Serial 1123. P- 425.
13. Cleveland, Horace W. S., Himis to Riflemen (New York, 1864) $\mathrm{pp} .176-8$.
14. Sen. Rep. 7. 40 th Cong. and Sess., Serial 1320; S. 229 passed Senate January 15, 1868, House February 20, 1868. signed February 25,1868 .

CHAPTER II: THE MENRY IN THE CFVIL WAR

1. Letter book of the Net Haven Arms Company, May 1. 1857 to March 28, 1859 . October 8, 1862 to December 12. 186 ig, in libraty of the Winchester Repeating Arms Company.
2. Cleveland, Horace W. S., Hints to Riffemen (New York. 1864) pp. 180-2: Tenney, W. J. The Military and Naval

## Notes

Histany of the Rebellion in the CHirsit siana (Xave Yoa 1865) p. 129.
$\begin{aligned} & \text { 3. O. R. Series III, Vol. } 2, ~ p . ~\end{aligned} 12$,
4. O. R. Series I. Vol. 23. PL 1. Pp $800,302.307$, 30 R.
5. Scientific American, March 7. i86, Vol. 8 (N. S.) p. 250
6. Finst Maine Hugte Tuly, i8n.
6. First Maine Bugle, July, 1892, P. 73- See also Coburn. 1. Jeff L. "The Battle-Field of Dimwidtic Court Honse," Maine Bugle, January, 1895. pp. 52 , 60, stating that one batalion of the tst Maine had Henrys, the other Spencers. Also Cohurn An Episote of the Wilvon Raid (Cisy Point to Roanoke, Va June 21-30, 1867) Maine Bugle Juty, 1895. pp. 187, +95: "It may be a good thing to be armed with a rifle that nothing can stand before. but the trouble is reciprocal, for nothing can stand long behine such guns.
7. Merrill, Samuet H. The Campaigns of the First Maine and First District af Columbia Cavalry (Portland, Me. 1866) p. 237. The tst Maine later incorporated the Henry rifle in its reunion badge described in the First Mlaine Bugle of January, 189 t as follows:
It is of gold, mounted on a double strip of yellow ribbon. The bar at the top is in the shape of a Henr rifle, and beats on the stock the legend ist Me. Cav. Pending from this by spur stuaps are the crossed sahres. while rising from the centre of the sabres is a pine tree the emblem of our beloved state. Below the sibres is a horseshoe surrounding a horse's head:"
8. Scote. William. Forse. The Story of a Caxalry Reginent (New York, 1898) p. 28
9. Tobie, Lt. Edward P. History of the First Maine Caik atry (Boston: 1887) p. 359- He used a more elaborate figure of specth in desutbing the action at Dinwiddie Court House: "The carhines were eximined; the Spencers loaded carefully with their seven deadiy messengers, and the 'Henrys' wound up to unwind and set fiying sixieen lumming birds to sing in the ears of the enemy." Tobie, "Service of the Cevaley in the Army of the Potomac," Soldiers and Sailors' Hist. Soc. of R. 1. Personal

Namatives, 2nd Series, No. 14. p. 41 (Providence, 1882 ).
10. Ambrose, D. Leib, History of the Seventh Regiment, Itinois Volunieer Infantry Chicago, 1868) p. 250: Illinois in the War for the U'mion (Chicago, 1887) P. 453.
11. Ludlow, Maj. William, "The Batle of Allatoona," Loyal Legion of the U.S., Michigan Commandery, War Papers, Vol. 1 (Detroit, 1891) p. 33 .
12. Richard Rowett, colonel of the $7^{\text {th }}$ Illinois, was in command of a Union brigarle and was wounded in the bartle. The over all Eederal commander was Gen. John M. Corse, to whom Sherman sent the classic message: "Hold the fors, 1 am coming!" Hill, Capt. George W., "From Memphis to Allatoona and the Battie of Allatoona," Soldiers and Sailors' Hist. Soc, of R. I. Personal Narratives, 4 th Series, No. 13 (Providence, 1891 ).
13. French, Gen. Samuel G., Two Wars: An Autobiography (Nabhville, 1901) p. 263.
if. O. R. Series III. Vol. 4. P. 598.
CHAPYER II: COMPETITION WITH THE SPENCER AND COLT

1. Cleveland, Horace W. S. Hints to Riflemen (New York, 1864) p. 164.
2. Letter of January 9.386 f to William C. Dodge, Scientific Americian, March 12, 1864, Vol. X. P. 170.
3. Williams. Samuel C., General John T. Wilder, Commander of the Lightuing Brigade (Bloomington, Ind. 1936) P. 14.
4. MoGee, B. F.. History of the zand Indiana Volunteer Iufantry (1a Fayette, Ind. 1882) p. 120.
5. Wilson, Gen. James H., Under the Old Flag (New York. 19:2) Vol, in p. 331. The Spencer was included in the badge of Wilson's Cavalry Corps, Military Division of the Mississippi. Scott, William Forse, The Story of a Cavalry Regiment (New York, 1893 ) p. xxili.
6. Endorsement of April 50 1864, quoted in Fuller, Claude E. The Bieechtorider in the Service (Topeka, 1933) P.

NOTES
7. Report of Secretary of War (Chief of Ordnance) 1956 Serial $128_{5}$. Pp. 163. 666. .
8. Letter of August 15.886 g to Secretary of War Stanton,
O. R. Series III. Vol O. R. Series III. VoL 4- p. 6 r .
9. Sales of Arms and Ordnance Stotes, House Doe 89 . 42 nd
10. Ordnance Department 1511, p. 9

Cong. 2nd Sess., Serial $13^{3} 8$, p 8 til For Doec, 99. foth Cong. 2nd Sess., Serial 1338, p. 8 4s. For coneraci letters,
see pp. $276 \%$. -see pp. $276 \%$.
11. Report of Secretaty of War (Chief of Ordnance) 1856.
Serial to8. Serial 1285. pp. $668-699$.
12. Letter of Dec. 15, 186 sis to Maj. Gen. John M. Schofield, in pamphlet "Selection of an Arm for the Use of the Infantry and Cavaloy of the Herited States Army" (New
Haven. 1868). Haven. 1868).
13. Barber, Edward C. The Grach Shot (New York, 1868 ) P. 178.
14. Demison, Le. Col. Gearge T., Modern Cawairy (London, 186is) p. 19 . See also same author's Soldiering in Canaria (London, 1900 ) p. 87
15. Thrasher, Halsey, The Humter and Trapper (New York. 1868) p. 75: '1 like the Henry rifte on many accounts, for you need camy no powder-flask, bullet pouch, cap-bage nor ramrod. Your wiper is in the end of the breech, You need not cover this rifle from the rain, and it would go off just as well as if it had been under water all night It carries a halfounce ball, which is quite large enought
16. Army and Navy Journal. January if to May go, 1871 . Vol. VIIt, Pp. 366.6 gz quotation is from January 28 issue, $\mathrm{p} .3^{88}$,
17. Sales of Sizms by Ordanice Deparmment, Sen. Rep. 183 42nd Cong, and Sess. Seriat 497. Pi 167, Sales of Arms and Ordnance Stores, House Dec. 8q, q$^{2}$ ad Cang, end Sess. Serial 1511. P: 9 .
18. Army and Nary Journal, February 23. 1867 to Ocraber 31. 1868, Vol. IV, P. f36 ol seq
19. Scienifific Americam, December 14. 1869 to April 23,1870 ,

Vol. XXI, p. 384 ecseg.i. 4 rmy and Navy Journal, January 19. 1871 to May 13, 1871. Vol. V1II. Pp. $355-68 \%$.

CHAPTER IV: GHARACTERISICS OE TEE MENRY

1. Quotations in sthis chapter are from the letter book of the New Haven Arms Company, Note 1. Chap. II.
2. This frrm made music and crinoline wire, later pionecred in the development of barb wire. Washburn. Charles G. Industrial Worcester (Worcester, 1917) Pp 151, 155.
3. Quored in full by Williamson. Wimcliester, Note 4, Chap. 1. p. 895 -
4. Ordinance Memoranda No. 5. pp. 16-22.
5. Patent No. 38,985 of June 29, 1863 ; reissue No, 1,635 of March 15. 186 t reissue No. 8,110 of February 26, 1878 , The second daim of the latter is: "In a magazine firearm the combination . . . of a barrel, an opening in the side of the frame, through which the magazine is charged, and a carrier 10 receive a cartridge from the magazine and presern it in line with the bore of the barrel."

CAAPTES V: KINC's TMPROFEMENT

1. Patent No, 52.933 of February $27,1866$.
2. Parent No. 55,012 of May 22, 1866 ; reissue No. 9,157 of April 13. 1880 :
3. Patent No 5R.937 of October 16, 1866. See also William C. Dodge's patent No. 58.790 of same date.
4. Haten No. 52.954 of February 27, 1866, Smith's second that day. Howard's patent No. 50,125 was later acquired by thie Winchester Company:
5. Patent No. 57.808 of September 4, 1866 .
6. Benham's Nev: Hawen Directory, 1865 . p. 179.
7. Bridsepont Directory, 1867, p. 61.
8. Bfidmport Directert), 1869. \&. 137 ; Benham's New Haven Directare, a 26 gig p. 186.
9. Benhams Nraw flawen Directory, 1871 -75: Price, Lee k Ca. Bridzeport City Divectory, $1876-78$; Merchants Reg.


NOTES
Directory, 1880 -Rg. John Hintlian hav letters addrweed Nelson King as superimendent of the Sharm Rille of in Hartford. The company moved to Brirlgepers in ©Go
10. Much material in this chapter is derived from in $28-76$ Datiel H. and Earles. Anthur W "The Stom Veader, Winchester Repeating Armw Comp, "The Story of the scripe history in the library of the Winchester Repeape.
 Arms Company. Mr. Veader entered the employ of the 11. Patent No. 57.546 and Mr. Earle in r $888_{3}$.
11. Patent No. 57,536 of August 28, $186 i 6$.
12. Army and
12. Army and Nary Journal, September is to December 3 . 1868. Vol. XI, Pp. 63:255, article Orober 10, p. 126: Turl. Field and Farm, Ottober 2, 1868 to Fehruary 12 . 1869. Vol. VII. p. 6, \& to Vol. VIH, po 1og; tmerican Agriculturalist, October to December, is68, Vol. XXVII, Pp. 386,428 , 166, also March to May, 186 gig : Spinit of the Pp. 386,428 , f66, also Marclr to May, 186 gig : Spinit of the
Times, September $12,186{ }^{2} 8$ to Felonaty 20, 1869 , Vol. XIX p. 64 to tol XX, p. 15 .
13. Harper's Weelify, September 26 to December i8, is6is, Vol. XIV, Pp, 6if-834: Rural New Yorker, Seprember 19 to December 49.1868 , Vol, XIV, pp. $306 .+11:$ Scientifis dmerican, Scptember yotin December g. 2868, Vol XIX: Pp. 223-38 i, atricle October to pe 245 -
Chapter ve: the model hi6 on tie frontier

1. Repors of Col. Heary B. Carrington, 18ih Infantry, January 3. 386 , Scn. Dus- 33. 5oth Congs ist Sess., Serial $250 \%$, P. 41. This report was not publabed for twenty years, probably because of its implication that Capt. Festerman had shot himself See also Reports of the Sece tarion of War and laterion in refation to the Alawacre at Fort Phil Kearncy on December 2t ikb6 (Gov. Print. OH, Washington. 18671 Ppe 27.32 . 62
2. Dodge, Gien. Grenville M. How We Buith the Urixn Pacific Railuay (New York. 1910) pp- 20, yos.
3. Toponce, Alexander, Reminiseestres of Atreatader $F$ op once, Pionecr (Ogden, Wtah, 1923) ph 11p177.
4. Grinnell, George B., The Fighting Cheyennes (New York, 1915) pp 213, 218.
5. Letter of February 48, 1867 from Le. A. H. Ward, 36th Infantry, reprinted in Winchester catalogs, 1867-1879.
6. de Trobriand, Col. Regis, Army Life in Dakota (Chicago, 1911) Pp-157: 289 .
7. Kelly, Luther S. "Yalloustone Kelly," the Memoirs of Lither S. Kelly (M. M. Quaife, ed., New Haven, 1926) Pp. 26, 32, Hlustration opp. p. 50.
8. Koch. Peter. "Life at Musselshell in 1869 and 1870 ," Contributions, Hist Soc of Montana, Vol. II (Helena, 1896 p. 303.
9. Army and Navy Jourzal, Vol. V, p. 486.
10. Poid, Note 8. p. 296.
11. Carter, William Alexander, "Journal of Transactions of the Post Trader at Fi. Bridger, November, 1869," mss. quoted by permission of Western Americana Collection. Yale University Librazy,
12. Jackson, William H., The Pioneer Photographer (Yonkers, N. Y., 1929. Pp. 188, 196:- Photographs of Indians by William Henry Jackson selected from the Collection of the U S. Geological Survey of the Territories" (1876), album in Western Americana Collection, Yaie University Library.
13. Expedition against the Piegans, House Doc, 269, 415 st Cong. and Sess. Serial 1y\&6, p. 31.
14. Army and Navy Joursal, June 1, 1867. Vol. IV. p. 650.
15. Messiter. Charles A. Spori and Adventures Among North American frdians ( 4 ondon, 1890 ) Pp. 215217.
16. Townstiend Capt. F. Irench, Ten Thousand Mities of 7 ravel, 5 poril and Adventure (I ondon, 1869 ) Pp. 99. 198.
17. Bell, William Abraham, New Tracks in North America (London, 486 g) Vol. 1. p. 66.
18. Rivingtom, Alex, and Harris, W. A. Reminiscences of America in 8869 (Landon, 1870) p. 246.
19. The Field, The Country Gentieman's Nrwspaper, September 3 e 10,1870, Vol. XXXVI, Pp. 207, 227.

## Notes

20. Webb, William E., Buffalo Lind (Philarletphit is 179 152, 454
21. Dellenhaugh

Dellenhaugh, Frederick S., A Canyon Korage (New York.
1908) pp. 12, $62,161.192$, to 1908) pp. 12, 62, $161,192,205$. The journal of Walter
Clement Powell, cousin of the Clement Powell, cousin of the major, mentions besides a Spencer " 4 Wincliesters and 2 Henrys, the former a shooters, the latuer 16 shooners ${ }^{-1}$ Otahs, Historical Quarteriy, Vols XVI XVII, p. 347. Salt Lake City, $1488-9$. See also Darrah, William Calp. Powell of the Cotorado (Princeton, 1951) P. 119.
22. Roberts. Thomas P, "The Upper Misouri River," Contributions, Hist, Sac. of Montana, Vol. 1 (Helena, 1876) Pp. 294. 239. 249. 259.
29. Hargrave, Joseph James, Red Rurer Montreal, refrl) p
170.
24. Butler, Sir William Francis, The Great Lome Land (London, 1872 ) Pp. $45,116$.
25. MeDougall, Rev. John, In the Days of the Red River
Rebellion Tromnon tors) petsson thater Rebellion (Toronto, 1911) P. 215: On Western Iraits in the Early Seventies (Toronto, 1g11) Pp, 8f, iog-See also Schuttz. James Willard, My Life as an Indian (New York, 1907) P. 351.
26. Atwater, Iaace, Histafy of the City of Atinneapolis, Minnesola (New York, 1899) p. 893-
27. Millman, Dr. Thomas, Impressions of the West in the Early Seventies, from the Dary of the Assistant Surgeon
of the B.N.A. Boundary Surney Tmen of the B. N. Boundary Surney. - Tmanactions, Women's Canadian Hist Soc, No. 26 (Torontw, 1928) Pp. 15. 23 . 45.
28. For criticism of the Spencer by the North brothers, see Grinnell, George B. Tiuo Greal Scouts and Their Pawnce Battalion (Cleveland, 1928) p. 14. James H. Cook traded a Spence tor a Heary. Fifty lears on the Old Frontier (New Haven, 1923) p. 25 .
29. Shields, George O., Buffato Hunting on the Texas Plains, Outing, February 1888, Yol. XI, p f69: Anything in the shape of a ritte could be haid. Old kentucky muzle-loaders, fite feet long in the barrel; condemined army carbines of Spencers, Sharps and other patkerns.

Springfield maskets: Henry and Winchester rifles; and a few of the old reliable Sharps buffalo puns: of and a 50 calibie using no to 120 grains of puwder. These latier were taken. at good figures by the more knowing ones." See also Flory, Jacob, Stoner. Thrilling Echoes from the Hild Frontier (Chicago, 899 ) PP 58 , 127: Cook, fohm the The Border and 7he Bu(falo (Topeka, Hog) pp. to R . g6; McCreight. Major Israel. Buffalo Bone Days, (10, 83. 96; Mcereight, Major Israed. Buffafo Bone Days (Dabois,
Pas91 p- 14: Sundoz, Mari, The Buffato Hyuter Pa, 19391 p. 4: Sandoz, Mari, The Buffalo Humers (New
York, 195i) pp. 97-8.
9. Gillmare Parter $\mathcal{B}$
has advertising cuts of these rifles indle (New York, 1871)
32. Charles Collins' Hestory and Dorectory appendix.
(Central City, D. T., 1898) p. 12, quoting the Black Hills, Central Cuy, D. T., 18y8) p. 12, quoting parmphlet issued by Black Hilk Fxploring and Mining Assoctation, Sioax
Gity, Jowa, 1877.3 Eity, lowa, $1872 \cdot 3$
32. Tallent, Ammie D., The Black Hills (St. Louis 1899) p. 29
Sce also francispiece Aken Hills (Milwaukee, igeo). David, Pioneers of the Black

CHAPTIX ITI: FORFICN TRLAKS AND NARKETS
3. British Patent No, 1,229 of May 15, 1863
2. Pollard, Maj. H. B. C.. A History of Firearms (Boston, $1936)$ p. 29. 性保 to the aurhor from The Armouries,
Tower of Londlon. Taver of London.
3. Vin Ploennies, Withelm. Neue Hinterladungsgewehre Reports (Germany, 2867) Pp. 137-459
*- Reports of a Special Commitece on Breech-Laading Riffes, Repoar on Repeating Arms, February 11. 1869. House of Commons Sestional Papers. $1868-9$. Vol, 12, pp. 28-g1
located thimueh ihe locared through the vourteny of 5 . Basil Haw and Maj c. Iylden.
5. Patemt No, fin, HI $_{1}$ of Jamuary 1, 1867 Sce also Logan,
 This arm has been elaracicriacd by a Winchester enthusithe bent sysem from. ${ }^{2}$, as follows: "The Swiss adopted the beolt syatem from the Frenilh Chassepot and stack if

Notes
on to the Witi hester Heary, therelty Hyting 48 arim which is the fervorite of at thely spoiling the simply troups all over the worte of alf sprosmen and of hight
trith troups all over the sorfid with whidi esery man whin
goes our to sheurt goes our to sheor or be shat at hy frdiam in America is armed, and which thas promed iny thdians in America is
thomotiahty
 Chapter, P , Poo, and Orturnie Notes No. Note +4 t
7. Data in this paragraph is derited from Yeadertaste his
tory. Note in. Chap

8 Rory, Note un. Chap. $V$.
8. Walliam Conane Church Collectiun of Ierten Mann-
serips Divison, Library af Consten scripts Division, Library of Congrem, lowated thenugh the
courtesy of Capt. fohn of Hyyts the ol 9. Williamson, Wencherine D. Hayes, D.S.N.

1o. Depositions of Aristater, Note 4. Chap. I. pp. $51-7$ nesses on the fart of the defenfant Joseph Ararian, wittimople in Eftratopher C e detentant, taken al ComananAbms Cu, U.S. Giruit Cour in in inchester Reppeating PD 8.10 . S. Circuit Court, S.D.N. Y. (New York, $18 \%$ )
PD 8-10.
11. Norman, Charles if., Arneenian and flie Campaign of $+8 \%$ (Inodon; +878 p. 45 Maurice, Gen, Sir Frederich B.
The Rusa-Furhion
 sko5) P. 352 .
18. von Trath
taced hy Capt. C. Macto, Dre, Ḱame ef tum Pirvnir, trans

14. Fosherv, It Col G London, iNqay Val. 22. pp- it is 14. Foshery, It Col. G. V. Maypine Rifles, Rondi Vhited

 September $25+882 z_{\text {Ppe in in }}$ in
15. Fife Cooksofl It Col. Johne C., With the Armies of the
 P. 23
16. Vizetellv. Eivard it Ther Rumintitceates of 4 Barfit. Bazouh (Bristol, isoy). PP 14- 171. 201, tog 277.
17. Stanky. Sir Henry M How I Found Livingatane in



Chatmer vin: varlations and gerials

1. Coltins Omatin Cify Directin, July \& 1808 , p. \& Sec also Nebyaska Renluay Guide, 1872 , p. zog. Charles Collins Hestory and Directory of the Black Hills, 18789 . lists Mclusland Bros, at Deadwood, D. T: and Knight's Mites Gify Directory, Montana, 1882, p. 99 . lists A. D. McAusland as "gun repairing, fishing rackle". The firm appears to have followed the most active frearms market
2. Salt Lake City Business Director), i860. See front end paper. Freund Bros also advertised Winchesters at their Wyoming Armory" in the Cheyerne Daily Leader, May 6. $1 \times 77$.
3. Eangley Hanty I. Pacific Codst Business Directory for 187-3-3 (San Franciso, 1871) p. 497.
4. 16 sid p. Mc. advertising department
5. Pacifif Goast Businest Directory, 1876-8, p. Ixii: Parific 'Coast Anmual Mining Revew and Stack Ledger (San Francisco. 1878 p prexiv.
6. Salem Directory, Oregon. 1871 , p. 28 ,
7. Rocky Mounrain. News. Denver. Colo, May 14. 1873:
8. Ibid. See also Corbete, Hoye \& Ca's Denuer City Direetory, 1874, inside back cover. Gove's shop is described in Townshend, Richard B., a Tenderfoot in Colorado (Lomdan 1923) p. 50
9. Corben, Hoye \& Co's Denver City Directory, 1876, insert before p. si-
10. Daily Cenirat Cify Regisier, May 5- 1870 , mentions "new goods just received . . . Winchester and other riffes,"
11. Cिtafio t5ortd, January I to May 7. 1874
12. Charles If. Pond as special agent adsertised "Winchester reperating rities is to 18 shoss in the Army and Navy fournel, Augiast 20. 20,goto August 12, 1871, VoL. VIII. pp 19 (o 4 H9).
13. Schtuyter, Hartley and Gaham advertised Remington Peabody, Shasps. Cols, Wiochester. Spencer and other military items for Infanuryand Givalry" in the Armyand

> Noyes

Nary Jomrnui, Feloruary io to |raly 27, 1k72. Vof. IX, pp 424 to sors
If Veader Farle, History. Note ro, Chay. V.
This table is found in Witliamson, Wincherver, Note if
Chap. I, p. 15\% Mh. Hall states then treng Chap. I, p $55 \%$ M. Hall atates that teeway of a vear mas
apply for any apply for any serial.
 Henry C.F. as compared to - 1885 and 420 for the S \& k IW American.

CHAPTER DC: ADVENT of The modic '73

1. 1etter of August 2, 1869 to Rt. Hon. Edward Galdwell M.P. Secretary of State for Was in pamplater The Fira

Requisite of a Mriliaty Rifle" Niew Haven 1stig).
2. British Patenc No. 32 of Jamary 6, 187 F : - To lowk the brecch pin in this position to restst the recuit, a verrival bole H is arranged in the frame to move up and down, and when up sets behind a ahoulder fon the lwemis pin, and thur securely holits the breech pin forward,"
8. Patent No. 1 It 500 of Januark 31. 1871
4. Ordnance Memoranda No is Washing(onf, 1873) p. 96 . Report of the Secretary of War (Chiel of Ondnance) is 7 s . Serial 1399 p prat
5. Patent No 86.743 of Fehruaty 4. 18 geig
6. These letrers ate quoted through the courtesy of Cilt's Manubscruring Co.
7. Faroons, Jofin E. Thie Peavemater and tos Roradr (New York, 1950 p. 100 ,
8. Fatent No. 156,197 of October 20, 1874
8. Patent No. 156,197 of October 20, 1874 .
9. Parent No. 84,598 of Derember i. 1868 .
10. Sharpe, Philip B. The Rafe in dmerica (New Yoek. 4938) pp-282-24. Goddard, 1. Col. Catvin, "An American Heriage, Part Y, Army Orduance Xovember-December 1998. Vol. XIX pp 176-78: Warous, fieurge R. Hiom Ahester Riftexand Shotguns New Haven, 19i3) Pp 7-ros Satterlec, 1 D., ed. Fien OiA Giut Catulogs Detroit 1913): Amber, folm T, ech, Tcil Rave Giin Cainlogi (New York, 1952). See also Ordnance Notes No. I. VI.
i8. Ordnance Notes No. 115 October 1, 2879 , Pp. 199-5
43. The table to 1900 is found in Williamson!. Winchester, Note \& Chap 1. Pi 157.
14. The Model 78 cartrine was copied in Belgium and manked on the top of the barrel "Henry Winchester Rille Model 1873 ." Another type of foreign copy lacks barrel markings but has a crown surmounting the date 188 । on the teft sideplate. Brass trame copies of the Model 66 carbine bearing liege proofmarks are also known. A specimen examined is centerfire, with both sling swivels and saddle ring, and a lever catch indented at one end.
th. Army and Naiy Journat, May i5, 1875 to May is, 1876 , Val XII, p. 625 to Vol. XH11, p. 637 i Forest and Stream, Ocrober 23, 1875 to November 2, 1876, Vol. V, p. 176 to Vol. VII, P. 208. For earhier comment see American Sportsman, February 22, 1874. Vol. III. p. 398.
16. The Field, The Country Genileman's Newspaper, January 9. 16. 23, 2875 , VoL. XLV. pp. 22. 43, 86. See also Walsh. John Henry, The Modern Spartsman's Gun and Rifle (London. 1884) Vol. II, pp. $283-5$.
17. Gilleth, James B, Sis Iears wuth the Fexas Rangers (Austin, 192土: Chicago, 1913) PP: 62, 82-3

CHATTER X: THE MODE 76 ANE THE NORTHWEST NOU VTED POLICE

1. United Stares Centennial Commission International Exbibition. Philadelphia 2875 , Vol. 6. Group XVI Class 26 g. Nis. biq- reperred by George A. Hamilton.
2. Errers of Octoter 20, 27 and 29,1877 . Forest and Stream November $6,48 \%$. Vol. IX, p. 255:
3. Setwer of Ociober $3 \mathrm{~N}, 1872$. November 8, 1877. Vol, IX, p 275
4. A talife of serials issued from 1877 to 1808 is found in Williamson, Whindirster, Noue \& Chap. 1, p. 458.
5. Denn), (Fypt. Gecil F., The tiders of the Plains (Calgary. +905) Ppt $4.88,100,15$, Chambers, Emest John, The

 ronto, 1910 pp. 28, 95-17z Seceic. Cot sarnuel It, Forty Gears in Canala (London. toris) pp 5s 78.
6. Report of the Commersinner, North ivet Mounteref Palice
 P. 25 .
7. Ihinh, 1880 [-. G. (rvine), Sessional Papers No. It 1883 $\mathrm{P} \cdot 10$
8. Tbid $188 \mathrm{~F}_{1}$, Sextional Papers No. is i88, P is.

9. Ybid, 1888 s. Sessonal Papert No. 12,1881 p: 3n.
10. Ihid, 1886 [1. W. Herchmer). $p$ 10: 1887 . p. i2. 1888 P. 14. Sce aiso Dankin, John C. Trooper amd Reikikn (hondon. axisg) prezg.
11. Ibid., 1800 . Sessional Papers No. 19. 1891 , p: 7 See alsi Tomer Fohtr Pcter. Thic North West Mownted Polise [1873.4893] (Otrawa, 1950), Vol. I. pp. 127, 125-536i. 620


12. Thid. is97. P. 18: 18ys. P. 37, Pt. III, report of Supt S. B. Steele. Yiakon Terr. ppe go, 50. Sevional Pipers No. is forglye following tath sofiain the commisumers report, 189.18 - 8 \%
13. Fbid, gooz [A. Rawen Perry], P. is

14. Thid., 1912. P1, 35, 12, $133,142,239$
 ing year cannain the commitsinme's rephot, 1902191 I

15. Patent No. L6.797 of Manch to. $18 \% 97$
16. Depoution of Oliver E. Winchester, Complaman's Main Case. Mbrse dries M/s. Co. v. Wanchestar Repeiating tems 6o, P sye
 January 18, i87o: reispue No. s.s6o of March 1. 1870.
17. Otiver F. Wizchester v. Smith \&ै Wesson, U. S. Circuit Court. Dist. of Connecticut. In Equity No. 85 , filed Aprii 27. 1869
18. Remajick et al. v. Pond, 20 Fed. Cas. 536 (Cir. Ct. S.D. N, Y, 1872 ).
6 Renwich et al. 又. Cooper, 20 Fed. Cas. 534 (Cir. Ct. SD N. Y. 1872 ).
19. E. S. Rennick el als. v. Winchester Repeating Arms Co. U. S. Cifcuit Court, Dist. of Connecticut. In Equity, No. 238. मiled November 26, 1872.
20. Morse Arms Manufecturing Co, v. Winclester Repeating Arms Co., 33 Fed. 170, 179 (Cir. C. D. Conn. 1887).
21. Reissue No. 5.56 4 of September 9,1873 . In his specifica tions the patentec refers to "a pistol manufactured at about the date of my application for my original patent, by the Voleanic Arms Company, with my improvements applied thereto;" sald pistol being in other respects substantially the same as that described in the patent granted to Horace Smith and D. B. Wesson. February 14, 1854 .
22. William C. Hicks v. Whituey Arms Co, U. S. Circuit Court, Dist. of Comecticut. In Equity, No. goz, filed March 9. 1874.
23. Wiltiom C. Hacks v. Edtein S. Harris, U. S. Circuit Court. S. Dist. of New York. In Equity, Vol. 7, p. 212, filed April yo. 1875 .

Chaptex xit ThE CUN THAT wON THE WEST?

1. Crossman. Gapt. E. C., "With Captain Crossman at the Big Winchester Factories," The Sporting Goods Dealer, Jamuary, 192o.
2. Jarsons, Johin E., and du Mout. John S., Firearms in tive Cuser Batile (Hamisburg, 1952) Pp. 25-31. See also Quivey, Addison M. "The Vellowstone Expedition of 3ng4: Contributuoms, Hist. Soc of Montana, Vol. 1 (Hetena, 1875) pp. 279. 287: Many of them [Sioux Indianed encountered April , 8ith had needle-guns of fifty caliber, center fires, as we picked up many hatered bullets
of that sire, and found a good many metallic athels that they had used. They also had Speticer and Winclester and other breechloaders, but probably a mapority had mucredeading rifles and many revolvers. Many of them had bows and arrons in addition to their fireatms"; also "Voyage of Lieth. Franeis Vinton Greene from the Sweet Grass Hills, M. T. to Bismarck, D. T. along the Miscouri River. September. 1874," a miss. diary quoted by permis sion of the Western Americana Collecrion, Yale University Library They [uaders at Et . Peck] spoke of the ammuition irade being very strictly prohihited, bur I notieed a fine Hemty rife and a belt of full cartridges on about half the men. This large number of Indians are all Stions:
g. Koosevelt, Col. Theodore, The Wiming of thir Wes [ $1769 \mathrm{~g}-1 \mathrm{kog}$ ] 4 vols. (New Yerk, 1900 ) foreword. Vol. I.
3. See MicElroy. Robert Mr Nutt, The Wimning of the Far Hest $(1829-1807)$ (New York, 1944) intended as a continuation of Col. Ronsevelt's study
4. Athearn, Robert Go. Westuard the Briton (New York, 1953) P. 11.
5. Riegel. Robert E.., The Story of the Hestern Railroads (New York, 1926) PP- 188, 206, 210.
6. Report of the Seccetary of War (General of the drmy) 1883, Serial 2.82 , pp: 146.
7. Mitts, Brig Ceen. Anson, Mty Stary (Washingun. 1918 pp. 109. 110 .
8. Forsytb, Brig Gen. George A. Thrilling Days in Ariny Life (New York, 1900) Pp, 11, 47 .
9. Grimell, George Bind, Twa Great Scouts and Their Pownec Buttalion Cleveland -1928) p. 139.
10. Stanley, Bive. Maj. Gen David! S. Report on the Yellowstone Expedition of 1873 (Govt. Print, Oif., Washingian. 1874) P. 7
11. Parsons and di Mont. Nore 2 of this chatpter.
12. See Note 29. Chap. 11.
13. Inman, Col Heny, ed Buffala Jours Forty Yoass of ddverime (tondon, $\times$ Bog9 pt. 14. 91. 101.
14. Townshend, Richard B I Tenderfoot in Colorado (Lon don. 1923) p. 259
15. See MrCracken, Harold. Fredenic Remington-Artis of the Old Test (New York 1947) "The Scout," Plate 8 used by permission on the jacket of this book, and Partrail of the Old West (New York, 1952) "A Desperate Stand" opp. p. 187.
16. Holloway. Carroll C., Texas Gun Lore (San Antomio 1951) P. 170: Gillets. James B., Six Years with the Texa Rangers (Austin. 1921: Chicago, 1943) Pp. 82. 105i-140, 320.
17. Haley.]. Fxets, Charles Goodnight, Comman and Plains man (Boston. 1926: Nerman, Okla. 1949) p. 362: Douglas Claude Leroy, Gatlle Kings of Texas (Dallas, 1999) p. 272
18. Marsthall, Jamer I., Santa Fe, the Roitroad that Buiff an Emifate (New York, 1945) pp. 154, 175.
19. See Hallock, Charles. The Sporisman's Gazetteer and Gemeral Gitule (4th ed, New Yonk, 1878) p. 549.
20. Murphy. John M.. Sporling Adventures in the Far West (New York, i880) p. ${ }^{278}$.
21. Oxford English Dictionar) (Oxford. 1928): "11. The name of Oliver F. Winchester ( 1810 : 880 ), an American manu facturer, used as the designation of a breech-loading riflc having a tuhular thagazine under the barrel and a hori mixal bult operated ly a lever on the underside of the stock:
22. ADictioniary of Ameriounisms (Metford M. Mathews, ed Gricage, 195): Winchester, n. [Oliver F. Winchestet (1510-1880), Amer, manafacturer.) A brecehloading rifle usu, of a levertoading tubular magazine type, manufac tured by the Winctieske Arms Co, In full it Winchester (expearingy titfe:
23. Mrastera Now Intermational Dicionaty (2nd ed. un abridged, Springtield, Mass, 1951): "Winchester-a rrade mark applied oxiginally to a brecch-loading repeating riffe laving a zabufar masazine under the barrel and a Goriminal bett operaced by a lever on the underside of the slock which was made (first about i866) by and

NOTES
named after, Oliver Fisher Winchester ( $18 \mathrm{sin}-1880$ ) Amer ican mannfacturer: and applied smbsequenty to tireane of various types and other producas of the manufactures of this rifle.
Compare toto to 1931 definitions "Wincliester nifle or Winchester fafter Oliver F. Wincheser (1810-1880) Am manufactures) a breech-foading ritte with a tubular mage zine under the barrel bolding tive or more cartinges inserted one hy onte from the rear. the hoht betig worked back and forth by a lever underneath It is a developmem of the Henry rille was introduced about areifi, and is in worldwide use, esp. as a sporting arm, It is now marde in varions styles, but the alove wis the firss, and is the bespknown. rype." In 1914 the last two sentences were shorened to: It was imrotuced about ix66, and is in world-wide use, espe as a spotting arm. It is now made in yarious styles, but the above was the forst cype:
25. Stevenson. Robers Lotis, Valima Leilers New York 1897) PP. 24. The teter of June 24. 1 Kg 3 s, to his friend and agent Sidney Colvin ends: "There, I have writen this to you, and it is suill but 7 .so in the day, and the sun only about one hour up, can I go bach to my olid grand. papa, and mensirting with Winchesters in my mind's eye? No; war is a huge entminment: there is no temptation to be compared wirh it not one.

Stevenson was fond of the word Winclester and used
 Pp. 329.31 ). The Ebh Tinfe (same, $\mathrm{Pp}, 318.36 \mathrm{in}, 36 \mathrm{j}$ ). In the South Seas (same, Pp. 354,351 ) and i Foothite to History (same, P. f6x).

Iss first use in fiction, other thim dime nowels, sa far found is lyy Foote, Mary Hallock, The Eed-Horse Clarim (Boston. 1889 ) Pp- $166.16 \%$ Thes was a romatice of a miming camp in Colorado, xet in 1879 . Thus it thot the proper noun Winchrster abous twetiry years to enter literature, and forty to ger in actictionary.


Compendium_Vorenberg

DREMCTOZES AND GUTDE
Benham's New Haven Dircetory, $1865-1875$
Bridgeport Directory. 1867, 1869
Charles Collins' History and Directory of the Black Hills, Central Gity, D. T. 1878 .
Collins' Ornalia City Directory, is68.
Gorbets. Hoye \& Ca's Denver City Directory, 1876.
Hallock. Charles. The Sportsman's Gazetleer and General Guide, thed. New York, 1878.
Knight's Miles City Dicatory, Montana, 1882.
Langley. Henry 1. Paalic Coast Business Directory, 1871 1873.

Mechaut's Register, Bridgeport, 1880.
Pacific Const Aunnat Mrumg Review, 1878
Parific Goasr Bustness Directory, $1876-1878$.
Price, Lee \& Co., Bridgeport City Direclory, 1876-1878.
Price, Lee \&-C0.. Waterbury Directory, $1880-1889$.
Salcm Dícctary, Oregon, 1871.
Solh Lake Gity Business Directory, 1869.
Woffe's Nebraska Railwog Guide, 187 .

## GOVERNMENT REPORTS

Chicf of Ordnance, 1866 , Serial 1285 .
Chief of Ordnance, 1878 . Serial 1599 .
Cormmissioner, Northwest Mounted Police, Ottawa, 1878 . 1914.

General of the Army, 1883. Serial 2182.
House of Commons, Sessional Papers, 1868-9. Vol. 12 (Special Commitice on Brech-Loading Rifles).
House Dor 99 goth Cong and Sess, Serial 1938 (Ordanance Dept. Purchases)
House Dot 26g. $\ddagger$ tst Gong 2nd Sess. Serial 1/426 (Expedition 53. Kiegans),

Houne Doc. 8 g , fand $^{2}$ Congs and Sess, Serial 1511 (Sales of Arms and Ortnance Storen):
 Itridans Faxed and Not Taxed),

## bhbliography

Official Records of the Union and Confederate Armies in the War of the Rebellion.
Ordnance Memoranda, Nos. 5. 15
Ordnance Notes, Nas. 115 F 220 .
Senate Doc. 72,37 th Gong- and Sess., Serial 1123 (Ordnance and Ordnance Stores)
Senate Dor. 38. 50th Cong ist Sess. Serial zing (Fetrerman Massacre).
Senate Repori 7, foth Cong and Sess, Serial 1 geo thatent Extension, 18f8)
Senate Report 183 . fand Cong, and Sess.) Serial 1197 (Sales of Arms by Ordnance Dept.).
United States Centennial Commission, International Exhibi tion, Philadelphia, 1876, Vol. 6, Group XVI, Class 269.
company archives
Morse drms Mfg. Co. v. Winchester, 1887, 33 Fed, tyo.
New Haven Aims Co, catalogs, $186 \mathrm{~g}-188 \mathrm{~F}_{5} \mathrm{z}$
New Haven Arms Co. Letterbook, 1857.1859 . 8802 -1863.
Oscanyan v. Winchester, $1874-1881,103$ D, S. 267 .
Renwich v. Cooper, 1872, 20 Fed. Cas, 534
Rentick v. Pond, 1872, 20 Fed. Gas. 536 .
Veader. Daniel H, and Earle, Arthur iW. "The Story of the Winchester Repeating Arms Company" (Now Haven. 1918),

Watrous, Geo. R. Winchecter Rilles and Shorguns (New Haven, 1943).
Williamson. Harold F. Winchester-The Gien That Won the Weyt (Washingrom. 1952).
Winchester Cazalogs; $1807-1890$.
Winchester, Oliver F. The Firse Requisite of a Mifian Rille" (New Haven, 1869:
Winchester, Oliver F Selection of an lim for the Wie of the Infantry and Gavaliy of the L/nied States Arom" (New Haven, 1868),

## GRTICIES AND MANUSCRIPTS

Burgher, A. S., "Hunting Buffalo on the Great Plains," S. D Butcher's Pioneer History of Custer County (Broken Bow, Nebr, 1901):
Carter. William Alexander. "Joumal of Transactions of the Post Trader at Ft Bridger, November, 1869:" Western Americana Coll., Yale University Library.
Church, William Conant, Collection of Letters. Manuscripts Division, Library of Congress.
Coburn, 1t. Jeff. L.. The Battle.Ficld of Dinwiddie Court House, The Maine Bugle, Rockland, Maine, January +805 -
Crossman, Gapt. E. C., With Captain Crossman at the Big Winchester Factories," The Sporting Goods Dealer, Jan แаг 1920.
Fosbery, 1t. Col. G. V. "Magarine Rifles," Royal United Serw ice Institution Jovirnal, May 12, 1882, Val. 26, p. 456. reprinted in Ordnance Notes, No. 220
Goddard. Lt. Col. Galvim. An American Heritage, Part V." Army Ordnance, November-December 1938, Vol. XIX p. 176.

Greene, 1t. Francis Vinton. Voyage from the Sweet Grass Hills, M. T. to Bismark, D. T. along the Missouri River September, 1874," Western Americana Coll., Yale University Iibrary.
Hill, Cape George W., From Memphis to Allatoona and the Bante of Allatoona," Soldiers' and Sailors Hist. Soc, of R. I. Personal Narratives, qth $^{\text {th }}$ Series. No. 13 (Providence. 1891).

Jackson, William Henry, "Photographs of Indians Selected from the Collection of the U. S. Geological Survey of the Territories," Western Americana Coll., Yale University library.
Koch, Peter, "Life at Muselshell in 186 g and 1870 ." Hist. Soc of Montana, Contributions, Vol. Il (Helena, 1896)
Iasson. Tage, "De Tidlige Winchester-Riffer," Vaabenhis teniska Arrioger, Vol. VIIb (Copentagen, 1953).

BIBLIOGRAPHY
Ludlow, Mai. William, "The Battle of Allatoona, Loyal Legion of the U.S., Michigan Commandery. War Papers. Vol. 1 (Detroit. 1891
Millman. Dr. Thomas, "Impressions of the West in the Early Seventies, from the Diary of the Assistant Surgeon of the B. N.A. Boundary Survey." Women's Canadian Hist. Soc. of Toronto, Transactiotis, No. 26, 1928.
Powell, Waiter Clement, "Journal of Waker Clement Pows: ett." Utah Hist. Quart. Vols. XVI.XVII, p. 347 (Salt Lake City, $2948-9)$.
Quivey, Addison M. The Yellowstone Expedition of $\mathbf{8 8} 74$. Hist. Sor of Montana, Crintributions, Vol. I (Helena, 1875).

Roberts, Thomas P., "The Upper Mismuri River." Hist. Soe. of Montana, Cortributions, Vol. I (Helena, I8j6).
Satterice, L. D., "The Model is66 Winchester." Amerigan Rifleman, December 15, 1924, Vol. fiz, No, 4 -
Shelds, George O., "Buffalo Harring on the Texas Plains," Outing. February 1888 , Vol, XI, p. 469 .
Tobie, L., Edward P. "Service of the Cavalry in the Armis of the Potomac," Soldiers' and Sailors' Hise. Soc, of R. I. Personal Narratives, and Series, No: if- P. if (Providence. 1882).
Volumteer Cavalryman, "Iessons of the Decade," Army and Navy Journal, Jamuary if to May yo, 1871. Vol. VIII. pp. 366 -6g8.

## Givil wak

Ambrose, D. Leib. Hisfors of the Seventh Regiment, Illmois Volunieer Infantry (Springfield, Ill, 1868).
French, Gen. Samuel G., Two Warssan AuKobiograp liy (Nash ville, 1901).
Illinois in the War for the Union (Springtield, III 1887).
McGee. Benjamin F, Hisiory of the 7 and Lidiania Kolunteer Infantry of the Mounted Lightming Brigade (laFayene, Ind., 1889):

196
THE FIRST WINCHESTER
Merrill, Samuel H. The Compaigis of the Firit Maine and Firsi District of Golurubia Cavaly (Pottand, Maine, 1866).

Scot, William Forse, The Story of a Cavalry Regament (New York. 1893).
Tenney, William I. The Military and Naval History of the Rebeltion in the Usired States (New York, 1866).
Totie, Li. Edward P. History of the First Maine Cavaliy (Boston, 1887).
Williams Samuel Co General Johnt $T$. Wilder, Commander of the Lightning Brigade Bloomington, Ind., 1936 ).
Wilson, Gen. James H, Under the Old Flag, 2 vols. (New York. xg12).

ANERICAN FKONTIER
Aken. David, Pioneers of the Black Hills (Milwaukee, 1920). Bell. William Abraham, New Tracks in North America, 2 vols. (London and New York, 1869).
Cook. James H. Fiffy Years on the Frontier (New Haven, 1923)-

Cook. John R, The Border and the Buffalo (Topeka, 1907). Darrah. Wiltiam C., Powell of the Colorado (Princeton, 1951). Dellenbaugh. Frederick S., A Canyon Voyage (New York, igos)-
de Trobriand, Col. Regis, Army Life in Dakota (Chicago, 194 ग्र.
Flory. Jacob Stoner, Thrilting Echoes/rom the Wild Frontier Chicago. 1893).
Farsyb. Gew. George A Thrilling Days in Army Life (New York and London, igoo).
Gillett, James B., Six Feabr with flie Texas Rangers (Austin, 1921: (thicago, 1943).
Grinnell, George B, The Tighring Cheyennes (New York, i9:5).
Treo Great Seouts and Theis Painnee Batiation (Cleyeland, 1928).

## abztöqRaphy

Inman, Col. Henry, ed., Buffato Jones Forty Years on Adventure (L ondon, 1899).
Kelly. Luther S., "Yellowstone Kelly," the Aemoirs of Euther S. Kelly (New Haven, 1926).

Lewis, Alfred Henry, Wolfville (New York, 1897).
Messiter, Charles A., Sport and Adventiores Among the North American Indians (London. 18 go )-
McGacken, Harold. Frederic Remington, Artist of the Otd West (Philadelphia, 1947).

- Portratit of the Otd West (New York, 1952).

McGreight, Majot Isract. Buffalo Bone Days (Dubois, Pa 1950).

Mills, Gen, Anson, My Story (Washington, 1921).
Murphy John M, Sporting Adventures in the Far Wot (New York, 1880).
Rivington. Alex, and Harris, W. A. Reminiscences of dmerica in I 869 (London, 1870 ).
Sandoz, Mari, The Buffato Ffunters (New York, 1951).
Schuler, James Willard. My Life as an Indian (New York. 1907).

Stanley, Gen. David S. Repari on the Yellowstone Expedition of $8_{73}$ (Vashingion, 1874 ).
Strong, Gen. William E., A Trip to the Yellouttone National Park in 1875 (Washingron, 1876).
Tallent, Annie D. The Blach Hills (St. Louis, 18g9).
Taylor, Joseph Henry, Skeches of Fronlier and Indiam Life. 3d ed. (Bismarck, 1897).
Toponce. Alexander. Remimiseences of flexander Toponser, Pioneer (Ogden, Utah, 192g).
Townshend, Capt. F. Trench. Ten Thausand Mites of Travel, spart and Adventare (London, istig).
Townshend, Richard B. A Tenderlonf in Colorato (I ondon, 1923).

Webb, William E., Buffato Eand (Philadetphia, 1872).

DTHER AmyRICANA
Athearn, Roben G., Westuard the Briton (New York, 1953). Atwater. Isaac, Hestory of the City of Minneapolis, Minnesola (New York, 1893).
Dodge, Gen. Grenville M., How We Built the Union Pacific Railway (New York, 1910).
Douglas, Claude Leroy, Callle Kings of Texas (Dallas. 1939). Fonte. Mary Hallock, The Led-Horse Claim (Boston, 1883) Gillmore, Parker, Gun, Rod and Saddle (New York, 1871 )
Halcy, I. Evetts, Charies Goodnight, Gowman and Plainsman (Boston. 1936).
Jackson, William H., The Pioneer Photographer Yonkers, N. Y. 1929).

Marshall James 1. Sania Fe, the Railroad That Buitl an Empire (New York, 1945).
Mathews, Metford M., ed. A Dictionary of Americanisms (Chicago, 1951).
McFtroy. Ruber McNutt, The Winning of the Far West (New York, 1944).
Riegel, Robert E. The Story of the Western Railroads (New York, 1926).
Roasevelt, Col. Theodore, The Winning of the West, 4 vols. (New York, 1900),
Thrasher, Halsey, The Frumter and Trapper (New York. 1868).
cavadiaxa
Butler, Sir William Francis, The Great Lone Land (London, 1872).

Chambers, Gapt. Ermest John, The Roval North-West Mountrd Police (Montreal, 1906).
Deane, Capt. R. Burton, Mouñed Police Life in Canada (tondon) (916).
Denny, Sir Cecil F. The Riders of the Plains (Calgary, 1905).
Derison, Ir: Col, George T, Modem Cavalry (London, 1868).
_Soldieving in Canada (London, 1900).

Bhblography
Donkin, John- C. Trooper and Redskin it ondom 189
Hargrave. Joseph james, Red River (Mormeal, 18581
Haydion, Arthur 1.. The Riders of the Plains (London, 1918$)$
MeDougall, Rev. John, Ia the Days of the Red River Rebel. lion (Toronte, 1911)
McDongall, Rev. Johsr, On Western Trails in the Early Sesenties (Toronto, 2g11).
Mctones, Charles M.. In the Shadow of the Rockies (London. 1930).

Ralph, Julian, On Canada's Frontier (New York, 1892),
Steele, Col. Samuel B.. Forty Years in Cianoda (London. 1925)
Turner, John Peter, The Norih-West Mounted Pobice, 2 vols ( (ttawa, 1950).

EIREARMS BOORS
Amber, John T, ed., Ten Rare Gun Catalogs (Chicago, 1952). Barber, Edward C., The Grack Shot (New York, 1868)
Cleveland. Horace W. S., Hints to Riffemen (New York, 1864 )
Fuller, Glaude E. The Brecichtoader in the Serrice (Topeki, 1933).

Greener, W. W, Modern Breech-loaders (London, 1872).
Holloway, Carroll C., Texas Gun Lore (San Antonio; 1951).
Logan, Herschet Ci, Gartridges (Huntington, WV. Va., 5948 ).
Parsons, John E., The Peacemaker and Its. Rivals (New York, 1950).

Parsons; John E,, and du Mont, John S, Fivearms in the Guster Battic (Harrisburg, 1953).
Pollard, Major H. B. C., d History of Fixearms (Boston, 1996), Satterlee, L. D.. ed. Ten Olid Ginn Catalogs (Detroit, 1943),
Schmidt, Cal. R., Les Nouvelle Armes ì Feu Pornatives Adoptées comme Armes de Guerre (ieneva, 1889).
Sharpe, Philip B., The Riffe in America (New York, 1938).
von Ploennies, Wilhelm, Nere Hentetiadumggeacelore Germany, 2867 ).
Walsh, John Hemr, The Modern Sporsman's Gum and Rifte, 2 vols. (London, 1884).
Zernin, Edward. Die Rückladumgagewelure (Leiptig, 1872).

## FOREIGN WORKS

Fife-Cookson, 1x. Col. John C. With the Armies of the Balkans and at Gallipolt in $1897-1878$ (London. 1880)
Maurice, Gen. Sir Frederick B., The Russo-Turkish War of 2877 (London, 1905).
Norman, Charles B., Arimenia and the Campaign of 1877 (1 andon, 1878 ).
Stanley, Sir Henry M. How i Found Livingstome in Gertral A/rica (London, 1904).
Stevenson, Robert Louis, Collected Works, vols. 4. 11, 17, 19 (New York, 18 gn )
Vizetelly. Edward H., The Reminiscences of a Bashi-Bazouk (Bristol, 1897).
yon Harlessem, William, The Defense of Pleva (London, 1895).

## INDEX

Aarau. Swiverlanid, trial at, $k$ Addis, Thomas Emmeet, alosman. is Afica. Winchericer in, 91 Abright. T. I. of St tmis, Henty deact, 15
Whacona Pas. Hecurs in battle of, 28
American Insiture,
pia, revolt at ist isp
Arade Mateatle Iron Con of wormese
${ }^{11}$
drmy and Nauy Journal, cied. 35- 37.6i. 69, 68, 69, 118
Thiy of tic fotomac, 9,30
iny, Gov W. F, M.. of New Mexia
precentation io, 8
Asimiboine Indians, 77. 126
dokiliary chamber, if illustrated, 35:3
Ararimb. Aritales, quoled or

Constantinople. 85. 87. 135. 197. 559 (65, 165, 166

Bater. Col. Latanetie Cr ise D. C. Car. 19
Mall, Albert inventor: if
fall $\times$ lamson cartine 46, , $2, \ldots 8$ Ballard rifle: $47 \times 37.2^{8}$
Harrels. q1, woz. ist: marking io, 36,57
Aarton, Alexander E Wallor, of X. Y.
Winchesier icaler, 94
Bathi- Bazouke, 90
Rates, R. H. zoth Tevas Car., 16
Haico S. G. iavenler Ho it
Bayonets 95. 106, if4
theaman, E. O. ptotograph. 7
Hear fiunting, 91. 95
Beanticld, Blackioos, 6

```
Nech, William \& Son of Mintand Orekon, dealer io Heury and spencericish Aeltian copies, 88, 155 is Mrunet, Momux
Hack Hilk. D. I
```






``` Rowen E: K . of Chicaso, Henn daker is
Mrandit, Eliario \& Jomos finte, ot Parie
81 Brecech bols, 8. Min: ithurnated in Bridgepid, st ilhe diretorn, git Bripe Cerge E impentiar - is
```



``` Brown. Iotio if., of Cellantion, xyent ion Henry it is or butizlo Bull ice Cnd butiato himminge 2ic.-2. \(+1+\) 180. 150. Rys ivg
Ruttata jonet usu
himpoike rifte, 31
```



```
Caltires
```



```
\({ }^{2}\) W. W.CH 110
```




```
40 60 Mole \(2 \pi\) izs
```



201

Calibre (Cont.)
if S. © W. American, 107
44 Win. $k$ Colt, lat. 112

45 50, Model 73.123. 910
45.70 .360, reg
-4575 . Nodel
75.90 Moded $76, \mathrm{mi}$

so Ficnis. 12
so-0s Expres
so-95 Expied. is
Cratian Paritic RR, 128,14
Carbine. $12,11.57 .63,06,99$ : volume

Carrington, Col. Henin B- quoted, 6
Garer. C. H photograph, ya
Canmiger, illustrated. 4, 27. 47, 45, 95
machiner. 168

Cenual Paoific R-R- 347 Ky
Chapin, Henry A. secty of New Haven Arms Cow, ${ }^{\text {Y }}$
Chesenne Indians, 56,60
Cherense. Wjoming, 95, 150
Chickamausa. Specicer in hatile of, 26
Chite and Perv. Stlection
Chite and Feru, sles in,
Church, Willam $\mathrm{C}, \mathrm{B5}$
Cille, Col Jonaitian P., ist Maine Cav ${ }^{20}$
Circaccian Cuvatro, 89
Civn War, g: In Vuginia ao, Actanca
campaign, $11, ~ 26$, veteran

 Ky. Cav
Clark, Expt
Cark esput. William. is
Coening rod, 39, 98, illostrated. $=2$
codding, deoler 6. R. of Petaluma, Henty
dealer 15 r F .
${ }^{\text {ciss }}$
Contors Churlos qumed as
Cati So River, is 74
Cahi samuet, pi bo
Colr's Patemit Fire Artus Mre Co.. 40


cank, jamer H. I79
imper Alletl: of N - Y. Wincticter
4gent. 136

Copper \& Pond of $\mathrm{N}_{\mathrm{i}} \mathrm{Y}_{\mathrm{n}}$ Italer in
Henty, 5, Wincheser, 91
Corse. Ben. John M., 171
Cossake: 89,90
Crack Shot, cited,
Cract 5 hot, cited, 34
Gree Indiank. 25.
Crook, Gen Georger 28,148
Coust Pation
Crystal Palace, 7
Caster batle, 14, 148
Custer Gen (ermge A
Custes, Gen Geroge A. 28.79.748
Datigren, Caph John A. ESSV, 10 Dax, John, of Cenural Ciyy. Winchester dealer, 94
Deadwivod. D. T. 182
Dellentsaugh, Fiederick s, 78
de Mores, Marquis, If: packution fy nes: photograph, 149
Denison, Lt Col. George T, quoted: 3 Dennis Scouls, North West Field Force 129
Denver.
Din
Denver \& 10, 9t, 182
de Trobriaio Grande R.R. 132
de Trobriand, Col. Regis, memoirs, 66
Dimviddie Courl House. Henry in boul
Dinwiddie Courl House, Henry in batle
of: 20.125 of 20 - 173
nodge Ciry
Dratlec, Gen. Grearile M, 16 ith Arny
Corps 2i: Enim Pacifici 66
Corpx zu: Union Pacific; 66
Dodge. William C. patent agent, 137
Dowd. C. S. of San Erancion Henry
Dowd. C.S. , of San Erancicoo, Henry
agent, is
Ther, Gien. A. B. Chict of Ordnance, 34
Sarice. Arhiur W., 177
fole Gen Alfred w. White of New Ha ven, it
Engraying 47, 106, 124
Extrator, 9, 136: 136, 14
Feterman Massine, 64, 120

Hife Cookson, L. Col, John C $\mathrm{C}_{\text {g }}$
 Henty, i9. 56
is Maine Cavalry. uses Henry 20, 21, 36; Feunion basige, 173
Fiblier. Iase of Blue Springs, Nebr, Fi
Foliom, Charlo of Clim Foltion, Charlo, of Chicaino, Wincheser
dealet deaser, 91
Folsom, Hem
Drleans, w, \&o., of $\mathrm{N} . \mathrm{Y}$ and New tootc, Mary Hallock, iso

INDEX
foral and Sircam, died. 128, r85, 123 Forsy th, Col. Cicorge $1.44^{8}$
tort Menton. Montana. 66 Fout Aenton. Montana, 66. 23 on Berthold, D. T. 60
on Roise Fiatios 68
Fan Bringer, 66, 148
Fent Garen Mraitola
Fot Peck, Montana, 186
Fort Phil Kearney, Wroming, 69
Fort Stevensor, B. T. ${ }^{60}$
Fort Union, I. I, $60,68,-76$
roatiers, In col, G. V quoted. wa
Eranco-Prosian Wirr 3its 8
Frecman. LE D. M. preekncation in. 24
fench, Gen, samker C., CSA. quorel
Fienct
Feund Goverument, parchaus, ks
Chesenne, dealer in Winclessters and
Fred
Chevenne, deal
Shay ps, 95 , 96
Sthatiss, 98, 96
rulton. G. W precrntation - 10 - is
Gall, Sioni chicf. if
Gardiner, DI W. W, of Badurath. Is Garibaldians, use Winctester. 8 ;
Gatron. Nelson B B first pres, of Vot

Gilletu, Jamer B., of Teras Rangers, 19
quored, ${ }^{120}$
Gordon's Stondade Parry, 79
Golcher, William, of Sc. Pain Winchester
deale, 94
Gore Chates $\&$ Co of Denser. Win
cheter dealer, 94,188
Gramt, Gen. UTvoe' S, 28, st, 34
Girener shotgun. 75
Grubbe $1.0 \% 80$, of Phila., dealer in
Henri 15. Winchater, of
Groirki, Col. presentation 10 . 122
Gtorisi, Col, presentatien to, 1zz
Halit Pacha, Grand Mastes of drtiller 87.160.163. 169

Hardic, Inspectior Gern S. 31
Hardic. Inspector Gen. quored, 68
Harria. Edvin S. of N. Y, Wincheat
agent 42
Hawkins ritle, 63, os
Henry, B. Tylet, sup't of New. Haven
Arms
Arms Co, 8, 50. 56, 6i, 89 patenit, 8:
experiments with cartidees. 9. 172:
experiments with cartridges, 9.
Henry Repeating Rifie Po
Henry Repeating Rifle Co. 50
Henry rifie, patented, \& criticijad, a.
barrel marking. to is: trials, 10, 31 . 38 .
88: advertived, 12:4. 23, 30, 36, 47:

403




 tier to . 66 , 7 , 75 , 35 maititionc $k$. \& Hicte. willam C, supt of Volomik, s
 Hiks, Whing tmis co- 48, 43 High Bickel Whil, Cheremir (60.190
 Holititar. Ben. 31 in $^{6}$
Hooker. Gen. Josph
Hoovers' Gap, गpencer in hatle ef, of Howard, Chario insention is
Howard Gen othen Howard Gen, Olives 0 - 2y thinier ond Trupper, ciech, is Hisiling set Bear Buifalo

frudians ere fsimitoine. Alackfoot.


fackon, William Hears: pharourtaphs: 13. 82, क\%, 68
 Juave, Proilleul of Mesiom, i9
Kell. Vellonione quoted, 66. 68 Kentuck, State of, is se is
Kern \& Ca. London Agens for Winche
 King. Nelsan sup' of Winsheter's so. Kin. 55.178 quoted, 52 - 18

 kingsley. ©s of of thano Guty, Wincheaier



Laramic Mountains 66
Laramic. Wyoming-95
Lee rifle, 69.93

Lee Enfieid riffe 130, 135 Ter Metornt rife, 18
Eeve, finger, s9, it, 1,4, 18
Lidde $k$ Kueding of san Francicos.
Henn dealet it os
 deler is


Loumpilin Jounhel, ated. is
Bow, James, \& Co, of Lurisilice. Hent
dealet is, is

deatcr, of
 Maniesed Pathiai 24
Meturtond Bros. ot Omatia winchester
dealer, if9. 98: at Deadirood and Miles

Mcrougall. Rer Jotin, ofs
Merwine Sumpkine, of $\mathrm{N} . \mathrm{Y}$, Winchever Mester 9

Mifles Citr, Mooramp,
Milth Cant Anow is

 Midat Buila 8 ?





 sanatione fiob, Ms adiecisised $17 \%$
 pruel ist mpiect is


 shole wa
solet ing we illismated, is
Hotern cationc claci, 35
hoorr. Joten $P$ ic sams, of N, X, Win cheter icilet, is
index
Morgan, Gen. Jotio H, Csis is Moris, Hon. Edward foy, 9
Morre Armi M/g. Co, V. Witichrster, 136 Morar Arme M/g. Co, v. Matichester, 136 ,
Y09. 40 Thorse Georse
 Nosity, Cel fabis S ESA. quoted, 20 Muskici, experimental, 8y, 109: imuro duced of 118

New Haven Arms Ca, 1, 6, 12; 21:36,41 8, sales, 7.17 atalogs, 28,82
New. Haven. Cornis New
Nea Perce Indians. 45. 68
9mid Hinois Iofantir, oser Speneer, 26
Norith hiotbers it8 Nonth hoibers. 148 Norticern Pacific R.R. $14 \% .148$
 Northwat Reticlion, 130 Northwestern Transpoitation Co.
Nueta Nuevo Leon, Mexico, State of, 84

One of One Hundred, 125: illutrated.
One of One Thousand, 125; illustrated,
140
Ordmance Chief of, quoted. 9. 50 Ordnance Depariment, 9. 31, 33. 42 $^{2}$ Oregon R R. II
Oreson Trill

Paine, Capt Jamer M. $76,7^{8}$ Palmer, Cortiandt. 5i 138 paris aycnof \&i
Parliamentary S
Paients. British
Pitents, Britith
May is
S6
May 15, 1863 (Clati), 8
Jan. 6. 187 . Hughee), 108, 183
Patenis. Unit
Ane, 2118 trates








June 2y , Khe (BaIl), $7^{6,} 176$ Scpi 20. MM (Howar), 5s

INDEX

Patents. Einied Sutes (Conit)




 DcG is, thes (Wheclock), 11s-1II Dect 1, Men (Hzees)- . Jon 31. 1s71 (Whedoct) on los Oct. ro, ispic (Wincheter), ith, s? Paviee Socriss, we spericer. 146 (eabod) Martini nile 88, 182 Petmedky. J C. of Austion, argent for Starpe 150
Peni. get Gill
Philadelphia Centenniai, 221,151
Prah, the Chiel 67?
Plains Indiams, b9. is
Maing. ive. 106 ,
Platie Bridqe. 66
Plate, Departineut of 61
Platte, Departureut of of $_{1}$
Plena, sortie fram. 8 B
Pond. Charles H . of New Yoik, Win
clicter agent, 156. 182
Portand, Oregon, 30 . 94
Poundmaker. Cree ctict. 145
Poundmaker. Crec
Ponder River, 60
Powell, Maj John Weilev, 75
toncll Watier Clemeot, quoted, is9
Prentice, George D. of Loumsille Henor
dealer, 13. 15.17

Proal, C, of St. Paul. Heary dealer is
Ramsay, Gen. George D., Chied of Ond nance, quoted, 30 it
Ray, Benamin, stock maker, 41,
Kead. Wotian. \& Sonc of Boiton, dieter in Hent 15, Winctiestes. 91 Receiver; 39.99 100, 115. 169
Red River Rebellion. 73


Renwiok v. Cooper. 1ge
Renwion v. Coaper. 136
Renuick v. Pond is
Reninick v. Hiadiater) Repeationg Amix
Ca, 139142
Reningron. Fredenc. 134, 190

 Rice, WMilian $\mathrm{K}-\mathrm{ACO}$
 Rolleris Thromen
Radmand Eiftume isc if tent Cion Wrutheren ilaler, Ravan Nome, Cheremene it
Rood wi

 Hion 1o ya
Ronetuid baide Roveturi partle, 14
Riom rife Roy cifte, itse 131
 Roal hivaxan Arumin of
 mianion, 29
poryl Corge
Royal Corge hatic, $19 z$
Amacli, Chariet it
Rusu-Tintide War. os
vill lake Giv, 99


surct fultom in



 Selyyn, Autm Japper H. R.N. quoted




$7^{\text {h }}$ Hetispici Intamink wee Hemiv, 21
 Shays ofte ys. if:50
Shappe Rifle Go if it
Cheritur: Geen. Philip HL prevenation




Sircepians 99: 100, wo. veriats on, tom

sioux Cit, torn. 7
Siom Indians, 66
suting Full. 186
sixieg thomeret, 35. 35, 69: 75
Beth lifinais lafantry, Use Hent
Slinge and svivets, 40, 05, 99. Hustrated
ze yo
snith, James D. inventor, 30.55 .66 .41
minith Horace
mith Horace, 5. 135
smath N Weson, 42 , 135 M0, 14e: tetel
nf 145
Suiter $n$
ruiter rifte s5, ke. 125. Illustrated, 13\% Spumern Pacific R R I4 4 , N6: muxich ns
Spencer rifle, criticind, 9, ins: in Civil



 Spie Kimam
peact 9


Springs main and magarinc,
Stace: B I or landoni Ai
Staikev. Gen David S. 14

tion ov. At, quered. is $2 \pi$, presenta
severson, Kobiet louik, quoted, 154 .
th9

Stode is of is, 123 is, 132
153 . Gen willami E prevestation ty,
Suphen I D, \& D C. of Duishas, Win diener derifor, 91
wiat trial ai Aazal
[atent, Anmie $\mathrm{B}_{7}$ ypoted 79
fous Rangers, 199,170


 $6,8+, B_{7}$
Tabket Soltan of i. i,

Furkith woitrates, 36, 89, text. 135-959: regotiations, $60-169$ 12ith Kearucky Cavalry, user Henry, 17 19
$\times 30$


Enion Pacific R,R, 66, $7^{6}, 99,147, ~ 48$
United Stater Cavaln Urited Stater Cavalir, 7\%, 1150148 Tic Indianis 32. 67, 68

Veader, Daniel H, т60-262, 177 Yenard, Sieplicn, presentation to, 34. 85

Vicelly, Edward H. quoted, go
Volanit Arms, illusirated, 4. 6\% ate
coribed t. narcity, ${ }^{38}$
Volcanic Repeating Arms Co, 4. 5. 50,
133. 185

Wade \& Bucher. barrel hitanks "
 Ward, II. A. precotation in, 1 War Deparument, 8, 9, \&8, 19. 34, 41 Wathburn \& Moen, of Worcester, 41
Watwon, Perer H. Assi Sect of War. quoted is
Welle, Giulom, Sety of Navy, presen tation to, 8, 10 Wells Eargo \& Co. presentation by. S4. Welk, Kellogg \& Co, of Evansville Henry dealet,
Wownv, Daniel B. 5, 133: quoted, i35 Weson Frank, rifle, 17. 69, 77. 93 theatley. James s., of Blue Springe

Wherter \& Wilwor, of Aridgeport ; Wheclock, tuke imkentor, 50 , 108 , It Whermore, Le. William B, 6ith Cav, presentation to, $44^{6}$

Wilder, Gem. John I, of Lightuing Brigate, quoted on Spencer, 28 Wilhams, Judge R. K, of Paducah, is
Willimuson derinec Willamson deringer. 54
2h
Wibon. Gape Jumes Wf, of reth Ky. Gav
W7:19
Withon, Priflip. 8 © Co, of Phille, Win diokkr dealer. of

INDEX
Wiloin Raid, 173
Wincheser, Oliver F., frontippieres early history. 3. character, 3. 84. oin, 193


 presentation by, 47
Wincticiet quarantine, 150
Winchister Kepeating Arux Co., 57. 565
chartered. is: catalogs, 45. 39. क2. 91.

 contracts, $88,155-459$

Wincheser nille withet 207
 Winclieser, Willtam whit ot in it. Winhicen
 TVoolvich, Enxlanal ural at wo



Toung, Briphiane, jr
Yuion territory ito




For Dad, Mom, and Linda and for B7, Chris, Bryan, and Matthew
sanitary company inspected 34,828 premises and investigated 7,737 com plaints. Its inspections resulted in the issuance of 6,810 work orders, most of which were complied with by the owners who received them. The company also compelled the cleaning of 6,092 privies and arranged for th removal of 1,332 dead animals and 32,850 loads of "night soil." The sani tary company was dissolved as a separate unit in July, 1870, but its men were individually detailed to serve the inspectors of the newly created Board of Health and continued to operate in that capacity. ${ }^{9}$
The efficacy of the Metropolitan Police was also enhanced by new technology. Responding to innovations in weaponry and escalating violence against the Republican government, the Metropolitans adopted new weapons. Police commanders (issued) Winchester repeating rifles to their men on several occasions when they anticipated riot or battle, and in some instances the Metropolitans employed cannon and Gatling guns. Such arf mament did not guarantee success, but it did give the Metropolitans a rough technological parity with their opponents. ${ }^{10}$

The Metropolitan Police also increased their tactical mobility. For the first time since 1805-1806, a portion of the men were put on mounted service. The expense of horses had become a serious objection to the mounted Gendarmerie early in the century, but the relatively large budget of the Metropolitan Police permitted some thirty-six men (about 5 percent of the force) to be deployed on horseback during 1870, primarily in the suburban periphery of the city. In 1873, the number of mounted men increased to about seventy, and when the size of the total force was reduced, the horse patrol represented more than 10 percent of the police. In addition to horses, the police made use of boats to patrol the river, including a steam launch, and rented steamboats to carry expeditionary forces into the

9. Acts of Louisiana, 1868, pp. 91-92; Anmual Report, 1868/69, pp. 38-39, 1869/70, pp. One of the sanitary co. $54,1871 / 72$, pp. 39-40, 1872/73, pp. 49-50, 1873/74, pp. 57-58 which interpreted the priviny's cases resulted in a U.S. Supreme Court decision in 1873 , Crescent City Livestock Landing and Slanities clause of the Fourteenth Amendment. The in the meat market and obring and Slaughterhouse Company enjoyed a licensed monopoly Slaughterhouse in June, 1870 . The an injunction barring the sale of meat by the Cavaroc Slaughterhouse in June, 1870 . The Supreme Court declined to intercede in what it construed
aste commerce and left the as intrastate commerce and left the monopoly intact.
10. Daily Picayune, Dece
The Battle of Liberty Place: The Overthrow of Cpublican, March 6, 1873, Stuart Omer Landry, 1874 (New Orleans, 1955), 123, 129.

Crisis of Legitimacy / 13
countryside. Horses and boats served the broadened scope of the police in the Metropolitan District and the state at large. ${ }^{11}$
During the first four years of the Metropolitan administration, the police were stronger numerically than they had been since the KnowNothings had decreased the size of the force from about 450 to 265 men (as a ratio of policemen per 10,000 of population, from approximately 31 to 19). From 1860 through 1867 , the force had remained roughly stable at about 500 or slightly less, and the police/population ratio declined slightly in that time from 30 to 28 per 10,000. The Metropolitans enjoyed a substantial increase in personnel in their early years. The police force reached its greatest size of the nineteenth century in 1870 , when its ranks included 679 active duty officers and 55 support personnel (almost 36 active duty policemen per 10,000 of population). ${ }^{12}$
policemen per 1,000 of population).
The numerical strength of the Metropolitan Police allowed the force to patrol in pairs in the most densely populated parts of the city. One-man foot patrols had been the previous rule, except for detectives and day policemen on special assignment. In the face of a more frequently hostile public, the two-man teams made considerable sense. After 1870, however, a policy of fiscal retrenchment in state government compelled the Board of Police to scale down the force, and the police/population ratio dropped considerably. By 1874 the entire organization counted only 455 men (about 24 police per 10,000 of population). Not surprisingly, the number of annual arrests peaked in 1870, falling each year thereafter. ${ }^{13}$
Police commanders sought to improve the job performance of their men by providing more on-the-job training and drill. Under the command of Superintendent George L. Cain and later A. S. Badger, the Metropolitans drilled regularly in military style to instill discipline. The men also received more instruction in techniques of policing than had been the practice before, and their appearance was inspected frequently and rigorously. The Civil War experiences of the superintendents and some of their men evidently provided the impetus for this approach. ${ }^{14}$
11. Acts of Louisiana, 1868, p. 96; Annual Report, 1869/70, p. 7, 1870/71, p. 55, 1871/72, Pp. 10, 40, 1872/73, pp. 10, 30-31.
12. Annual Report, $1868 / 69$, pp. $6,20-21,1869 / 70$, pp. $9,36-37,1870 / 71$, pp. $5,18-$ 19, $1871 / 72$, pp. $5,10-11,1872 / 73$, pp. 20-21, 1873/74, pp. $7,17-18$.
13. Annual Report, 1868/69, pp. 6, 20-21, 1869/70, pp. 9, 36-37, 1870/71, pp. 5, $18-$ 19, 1871/72, pp. 5, 10-11, 1872/73, pp. 20-21, 1873/74, pp. 7, 17-18; Daily Picayume, August 25, 1869; see also note 20 .
14. Annual Report, 1870/71, pp. 31-32.


The Metropolitans arrived too late to stop the violence, but they did arrest several whites. ${ }^{59}$
Almost immediately the police were pressed into service again in their capacity as the Metropolitan brigade of militia. An expedition to keep th peace in a tense racial confrontation in the town of Amite proved un eventful, perhaps because the appearance of the police was sufficient to prevent any outbreak of violence. Two weeks later, in May, 1873, some 125 Metropolitans encountered more formidable opposition in the town of $\mathrm{S}_{\mathrm{t}}$ Martinville, which also lay outside the Metropolitan District. There the police faced an organization of whites who were resisting the authority of the state government to collect taxes. For several days the Metropolitan detachment was besieged in the courthouse by the tax resisters, who num bered somewhere between four hundred and six hundred men. The skir mishing resulted in few lives lost, and the arrival of police reinforcement brought the violence to an end about a week after it had begun. Back in New Orleans, the remaining elements of the police were alerted and stationed to guard the legislature against a rumored coup. The Orleans Parish grand jury protested the use of the Metropolitan Police outside the city, asking the district court judge to have the governor and Superintendent Badger indicted for usurpation of powers not properly belonging to their offices. No indictment was forthcoming, but the police were not obliged to do service outside the district again. ${ }^{60}$
The uneasy truce between the police and their conservative antagonists endured for a little more than a year. It ended on September 14, 1874, in the bloodiest struggle of the Metropolitan administration, the battle of Liberty Place. Beginning at Opelousas in April, 1874, Democrats throughout the state formed local groups called White Leagues to assert white supremacy and destroy the Republican government of William Kellogg. In New Orleans an organization that had been known as the Crescent City Democratic Club in the 1868 and 1872 elections served as the nucleus in
59. Times, April 7, 13, 16, 1873; Republican, April 22, 1873; Taylor, Louisiana Reconstructed, opposed being, But There Was No Peace, 126-29. The Times alleged that several policemen (Times, April 23, 27, 30, as militia, but the Republican denounced that claim as a "fabrication"
60. Times, May 6-11, May 1, 1873; Republican, April 26, 1873).
contended that the deployment eppublican, April 22, 1873. The Board of Metropolitan Polic policing the Metropolitan District the police as a militia unit was detrimental to their role in gade law (Annual Report, 1873/74, and asked the legislature to repeal the Metropolitan Bri
forming the city's White League. John McEnery, regarded by Democrat ss the legitimate winner of the 1872 gubernatorial race, became the state wide leader of the loosely affiliated White Leagues. The White League in New Orleans prepared for possible military action against the Kellogg administration by drilling secretly and ordering arms from outside the state. The Metropolitan Police became aware of the arms shipments and began eizing guns, some already in the city and others as they arrived by steamer, on September 8, 9, and $10 .{ }^{61}$
McEnery left the city, probably to protect himself against criminal charges in the likely event of a White League coup against the Kellogg regime, and his lieutenant governor, D. B. Penn, and militia commander Frederick N. Ogden and John B. Angell prepared to seize the statehous (the former St. Louis Hotel) and to use force if necessary to ensure that guns aboard a recently arrived steamer were unloaded and used to arm members of the White League. On September 13, the White League called for a mass rally at the Henry Clay statue on Canal Street for the following day. As a crowd of perhaps five thousand whites gathered on Canal Street on September 14, White League military units set up barricades along Poydras Street (roughly parallel to and four blocks upriver from Canal) all the way from Carondelet Street to the river (a distance of about twelve blocks). ${ }^{62}$
Most of the federal troops stationed in New Orleans had been sent out of the city to avoid the seasonal risk of yellow fever (an epidemic of the disease had ravaged New Orleans the previous year). To deal with the White League insurgency, the Kellogg administration could call on a force of black militiamen under the command of General James Longstreet, adjutant general of the state militia, and between five hundred and six hundred Metropolitan policemen under Superintendent Badger. With two Gatling guns and a battery of artillery, Longstreet and Badger led the Metropolitans from the Cabildo station on Jackson Square and the militia from the statehouse to Canal Street, establishing a line along Canal running about four blocks from the Custom House (at Canal and Decatur) to the levee. From the levee end of the line Badger led about half of the policemen toward the White League position, but detachments of White Leaguers

[^0]







Compendium_Vorenberg


Compendium_Vorenberg




## from appomattox to the reconstruction acts

 Like Palmer and Terry, most generals preferred not to think of hemselves as military governors, though there were some exceptions, General Robert. M. Mey, who had had difficulty as a field commander far a fo to Alama. His fint choice was really to go to the Mexica go 10 and the French, but if not be granted, the Alabama governorship would satisfy his desire for not be granied, the Alabaina governorship would satisfy his desire for some active duty berore Please try me." ${ }^{10}$Making his suggestions on the installment plan, Chief Justice Chase described Southern conditions in a series of letters from various points along the Atlantic seaboard. In a letter from Hilton Head, South Carolina, written about midway through his tour, he presented a more systematic plan for restoring civil govermment than most of Johnson's belief that military hat the mechary hat the mechanism of this supervision should resemble the regular state government as nearly as possible. Each state ought to be made into a separate miltary department with a commanding general or military govemor. The commander should order a registration of loyal citiare
 in each county. Delegates would then be elected for a conve citizens write a new constitution or amend the old one. If the constitution to rained by the peopie, a governor and other state officers sion were ecte. When these officers assumed their functions, the pors should be of the military commander would cease and his would be the suppression of disorder ine, and his only remaining task In choosing the commanders, Chase continued, state authorities.
to select men completely loyal who were rontinued, care should be taken the welfare of Negroes as well as white ready to maintain and promote favorite concerns. He thought that C . trusted with North Carolina. He General John M. Schofield could be because of Gillmore's concern for the Negrore very highly, probably for Georgia. Rufus Saxton and for the Negro, and recommended him excellent command choices for South Hatch, he suggested, would be tively, ${ }^{20}$. Schofield himself had also been formulating a been in co
${ }^{19}$ Milroy y ${ }^{20}$ Chase to to Johnson, May 22, 1865, in Johnson Chase to Jobnson, May 17, 1865, in Johnson Papers, LC (Reel

The First Confused Weeks
After receiving a letter from the Chief Justice, Schofield wrote to the determined that Negroes should vote offering his own views. Chase was Carolina, he had favored basin vote, and to facilitate this goal in North Carolina, he had favored basing suffrage on the state's constitution North had stood in 1835. But Schofield demurred. Like numerous other as it cers, he believed the Negro population as a whole was no other offisuffrage, and he gave legal reasons for using the state was not ready for was in effect immediately before the ordinance of secescion The remaining details of Schofield's ple of secession.
He wanted all troops in the state put under the similar to Chase's. governor who would declare still in force such command of a military constitution and laws as did wartime proclamations. The not confict with federal law or Lincoln's and other local officials a election for delegates to A registration of voters would precede an would be required by state lequred to take an amnesty oath and be otherwise qualified by state law-a reflection of Schofield's view that the federal ent could not constututionally prescribe state election qualification igind legislators and for the ratification of its own acts. He expernor and procedure to result in abolition of slavery, repudiation expected this and restoration of normal federal-state relations. If it secession, ever, Schofield would feel that the people had wif should fail, how would consequently impose complete military gover their oaths and should come to their senses." ${ }^{21}$ In reply Grant 2 verment until the views but added that all the Army repld Grant agreed with Schofield's a uniform policy was adopted. A lold do was to keep the peace until dicated that Stanton too had. A from Grant's secretary intents. Johnson may Head message from Chase reached of Schofield's letter, but the Hilton Andrew Johnson Chase reached the President on May 22. 22
a policy for the defeated South. Six weeks in office trying to determine a policy for the defeated South. He had been a stern military governor of Tennessee during the war, and he maintained this attitude for a short time after succeeding Lincoln in the executive chair. He soon realized, however, that he could not impose total military rule on the South without abrogating Lincoln's spirit of clemency and generosity. Nor could he withdraw all military supervision without risking the return to power
${ }^{21}$ Chase to Schofield, May 7, 1865, in Official Records, Ser. I, Vol. XLVII, Pt. 3, p. 427; Schofield to Grant, May 10, 1865, ibid., 461.
May 25, 1865 , ibidi., 571 .










34 from appomattox to the reconstruction he has taken it allegiance there must be good reason to suthorize the withholding raudulently, or is not within its provisons cryptic, to say the least, and of his property." This last statement was crypared to the general disjudgments of confused provost courts only added
satisfaction with the whole provost court system. ${ }^{20}$, A safer and clearer policy concerning properering to a specific claim, was that of General Canby in Louisiana. Rereritomatically passed from he held that the tite to abandoned property automatically passed from the owner by the act of abandonment and that the claimant could only the owner by
be reinstated by "executive remission" or through the United States Court of Claims. Canby thought the authority had not been delegated to suborof Claims. Canby thought
dinate officers of the War or Treasury departments and that his only dinate officers of the War the property did not pass from the control of function was to see that the puthority had released it. ${ }^{21}$
In Temnessee, even though General Thomas returned property to the owner as soon as the Army had finished using it for military purposes, he still found himself engulfed by petitions not only for restoration but also for the payment of rent for the government's use of the property. The most troublesome individuals were disloyal owners who abandoned their property to serve in the Confederate forces or otherwise aid in the rebeliion. When these persons could not get their way with in the rebelition. When these persons could Thometimes appealed to President Johnson himself. ${ }^{22}$
Vexatious situations sometimes arose from actions of the Confederate govemment or from wartime transactions based on Confederate curgovermment or from wartime transactions based on Confederate cur-
rency. Shortly after the war ended General Halleck set up a special court rency. Shortly after the war ended General Halleck set up a special court
of arbitration in Richmond to decide cases of property rights and debts where the contract involved Confederate money. This court was not where the contract involved Confederate money. This court was not
to decide on property titles, but simply on rights of possession-providto decide on property titles, but simply on rights of possession-provid-
ed the court's personnel could distinguish between the two-and its ruled the court's personnel could distinguish between the two-and its rul-
ings were no bar to future legal action in civil courts. Perhaps forings were no bar to future legal action in civil courts. Perhaps for-
tunately, this court had a short life, for the civil tribunals tunately, this court had a short life, for the civil tribunals soon
reopened. But Virginia courts were notoriously slow in reopened. But Virginia courts were notoriously slow in rendering ver-dicts-eighteen months in some instances-and General Terry disliked the injustice of these delays. He therefore extended over the whole state the jurisdiction of the city of Richmond's Court of Conciliation, so that it could decide cases of property belonging to Union men which had been seized under the Rebel Confiscation Act and sold. Proceedings in
${ }^{20}$ Gillmore to Gen. J. P. Hatch, CO Charleston, July 3, 1865 , and to Capt.
Lewis Reed, Provest Judge, July 29, Dept. South, 15, RG98, NA
${ }^{21}$ Canhy ${ }^{21}$ Canby to Gov, of La, Alug 5, 1865, Dept. Gulf, 79 , RG98, NA. ${ }^{2}{ }^{2}$ Thomas to Jobison, Aug. 26, 1865, Div. Tenn, 33, RG98, NA.

Working With (and Against) the Provisional Governors this court were summary and inexpensive compared to those in the regular state courts. ${ }^{23}$
The President finally took a hand in the matter of property rights, and in September, 1865, he had the War Department put a stop to most of the irregularities: "Military officers have no authority to interfere in any way in questions of sale or contracts of any kind between individuals or to decide any question of property between them without special instructions from this Department authorizing their action, and the usurpation of such power will be treated as a grave military offense." Johnson's edict seems to have been prompted by the case of an officer in Georgia trying to decide a dispute over 10,000 bales of cotton. ${ }^{24}$

The caution which General Steedman displayed in his guide concerning military arrest of civilians was typical of other commanders. Thomas had previously issued similar instructions in Tennessee, and Steedman's order was in fact closely modeled on that of Thomas. ${ }^{25}$ This caution reflected not only the Army's general desire to leave as much as possible to the civil governments, but also the practical difficulty of finding sufficient competent officers to sit on a large number of military commissions. The generals' cautiousness did not mean, however, that they would sit quietly and see crime go unpunished. After all of the organized rebel armies had surrendered, anyone still remaining in arms against the government was subject to military trial as a guerrilla. Grant issued orders to this effect to the entire Army, and local commanders enforced them. ${ }^{26}$ Military commissions also continued sentencing people to death for acts of guerrilla warfare committed before hostilities ended ${ }^{27}$

The Army was especially concerned, too, about theft property. In September, 1865, an order from General Woods threatproperty. In September, 1865 , an order from General Woods threat-
ened Alabamans who stole government livestock with military trial and ened Alabamans who stole government livestock with military trial and
punishment as great as that provided by state law. A case the following month resulted in a sentence of four years at hard labor. In a
${ }^{23}$ GLO 5, Div, the James, May 3, 1865, in Official Records, Ser. I, Vol. XLVI, Pt. 3, pp. 1074-75; GO 114, Dept. Va., Sept. 21, 1865, Orders, 983 , RG94, NA; Terry to AAG Div. Atlantic, Oct. 2, 1865, Dept. Va., 14, RG98, NA.
278, RG94, AGO, Sept. 19, 1865, RG94, NA; GO 15, Dept. Ga., Sept. 20, Orders, ${ }^{25} \mathrm{GO}$ 27, Dept. Cumberland, May 2, 1865, Orders, 955 , RG94, NA
${ }^{26} \mathrm{GO} 90$, AGO, May 11, 1865, RG94, NA; C/S to Gen. J. A. Mower, CG East. Dist. Tex., July 22,1865 , Dept. Gulf, 79, RG98, NA.
${ }_{27} 7_{\mathrm{GO}}$ 12. ${ }^{27} \mathrm{GO} 12$, Dept. Tekn., Sept. 30, 1865, and GO 22, Dec. 22, Orders, 969 , RG94,
NA. Both trials took place in July.

finally asked Attorney General James Speed for a legal opinion on the relative power of the civil and military jurisdictions. Speed narrowly construed the powers of the provisional goverive functionaries of governnow no legal and constitutional adminstray Secretary Welles noted ment in Mississippi except Jehnson and Speed when this opinion was some disagreement between Johnson and Speed indent finally told Seward undergoing discussion in Cabinet, but the President it was still inexpedient to restore the privilege of to wire Sharkey that it was still inexpedient
the writ of habeas corpus. That ended generals were not always stormy, Relations between governors and generals were Governor Perry comthough. In South Carolina General Gillmore asistance of Gillmore's supromised on the court problem with the assistance of Gilmore's suprorior, General Meade. Jointly announced in a September proclamation and general order, the new policy was that the provost courts were to have exclusive jurisdiction of all cases involving Negroes, and that state courts under state law should hear other cases. Civil magistrates
could make whatever arrests were necessary to apprehend criminals, but could make whatever arrests were necessary to military custody. ${ }^{36}$
The Army also had to work in close cooperation with federal civil officers, of whom the most important were agents of the Treasury Department and the personnel of the gradually reopening federal courts. After hostilities ended, treasury agents scoured the South collecting cotton which had been the property of the Confederate government and henoe was subject to seizure by the United States. They then shipped henoe was subject to seizure by the United States. They then shipped
this cotton to designated agents in Northern cities for disposal. In this this cotton to designated agents in Northern cities for
work they had to rely on the Army for protection.
work they had to rely on the Army for protection.
In June, 1865, General Grant wired commanders in the South that in their efforts to seize holdings of the Confederate in the South that in their efforts to seize holdings of the Confederate government they
should be careful not to endanger private property, and that they should aid the treasury agents in protecting and bringing to market cotton alquestions of all in thession. Grant's message touched the most delicate questions of all in the cotton chaos, those of titles and ownership. Did a particular lot of cotton actually belong to the Confederate govern-
ment, or was it ment, or was it really private property? Some local commanders tried to decide such matters, though higher headquarters frowned on the ${ }^{3}$ Correspondence $i 6: 1,60$. 11 . (ed.), Diarpy of Gidecon We elles, II, 366 -67.
${ }^{26}$ A myy and Nort Attorneys General 322-26; Beale

Dept Miss, July 31, 1865, Orders, 900 , RG94, NA: DAANan Papers, LC; GO 7 ,
July 8, 1865, and to Fuy 8, 1865 , and to C0 Enterprise, Miss., Sept. 1, AAAG to CO Macon, Miss., of the cotton question in Louisiana that he telegraphed Stanton recom-
mending that the government give up the whole idea and simply relinmending that the government give up the whole idea and simply relin-
quish the property to the original holders. In return for this concession quish the property to the original holders. In return for this concession he advocated a tax of $\$ 5.00$ per bale on all cotton brought to market. But the collectors stalked through the land well into $1866 . .^{38}$
Opportunities for fraud and corruption abounded. Railroad conductors deliberately tampered with manifests, and carloads of cotton got mysteriously sidetracked. Steamboat captains made unscheduled stops at private docks. Treasury agents themselves perpetrated many of these frauds, and in consequence the Army had to guard not only the hese against irate Southerners but also the government against its dishonest employees. Numerous complaints about irregularities reached Treasury Secretary Hugh McCulloch, who enlisted the Army's aid to stop the abuse. He informed General Reynolds in Arkansas that any agents who took cotton which they could not prove was Confederate property overstepped their authority, and he asked Reynolds to do what he could overstepped their authority, and he asked Reynolds to do what he could
to stop such theft. McCulloch also directed customs officers to assume to stop such theft. McCulloch also directed custo
the duties of receiving property in certain cases. ${ }^{39}$
General Woods was especially vigilant in ferreting out shady deals by Alabama cotton agents. In October, 1865, he ordered a military commission to try Thomas J. Carver for fraud. During August and September Carver, the agent for Choctaw County, had conspired with a private citizen to buy 227 bales of government cotton for himself at a price far below the market value. He was found guilty, fined $\$ 90,000$, and sentenced to hard labor for one year and until the fine was paid. Woods, convinced that Carver was "the tool of more designing parties," remitted the imprisonment in consideration of Carver's advanced age and the fact that he gave evidence implicating numerous others. Woods was sure that more than 50,000 bales of government cotton had been stolen in Alabama and shipped out of the state or moved about from place to place so that all trace of it had disappeared. The Carver case furnished his first clues. ${ }^{40}$
Perhaps the most spectacular episode in the whole cotton drama was the case of T. C. A. Dexter, which the Carver prosecution had brought to light. On November 13 Woods convened a military commission to
${ }^{38}$ Canby to Sec. War, Aug, 12, 1865, Dept. Gulf, 79, RG98, NA. Sen. Exec.
Docs., 43 rd Cong, 2nd Sess., No. 23, contains statistics on all cotton collected. Dos., 43 rd Cong., 2nd Sess., No. 23, contains statistics on all cotton collected.
${ }^{39}$ Reynolds to CO Ouachita Dist., Dec. 16, 1865, Dept. Ark, $2 ; \mathrm{C} / \mathrm{S}$ to Gen J. A. Mower, CG East. Dist. Tex., July 22, 1865, Dept. Gulf, 79, RG98, NA. L. Thomas Dept. Ala., Oct. 30, 1865, Orders, 815, RG94, NA; Woods to Gen. L. Thomas, AG USA, Nov, 9, and to McCulloch, Nov. 10, Dept. Ala., 1 ,
RG98, NA.


[^0]:    61. Daily Picayune, June 24, September 9-13, 1874, Taylor, Louisiana Reconstructed, 29092; Rable, But There Was No Peace, 137-38.
    62. Daily Picayune, September 10-13, 1874.
