## Table of Contents

- **Summary Information** ........................................................................................................... 3  
- **Administrative Information** .................................................................................................. 4  
- **Related Materials** .................................................................................................................. 4  
- **Indexing Terms** ...................................................................................................................... 4  
- **Accession number** ................................................................................................................... 4
This collection contains one item, a patent for wooden pipe, granted to Charles P. Allen (1846-1916) filed on April 22, 1886 and renewed on February 10, 1887. Charles P. Allen, born in New York arrived in Denver in 1874 and oversaw the construction of municipal water supply plants in Denver, Leadville, Fort Collins, Greeley, and Pueblo. Allen worked as Chief Engineer for the Denver Union Water Company, where his first major project involved finding a replacement for Denver's cast-iron water and sewage lines which were corroding due to the alkali soil. In 1886 Allen filed a patent for his design of a 48 inch wood-stave pipeline to carry water. Shortly after Denver became the first city in the nation to use wood-staves as water mains which were cost effective and easy to construct. Allen resigned from the Denver Union Water Company in 1900. He later worked as a consulting engineer on various water projects across the county and from 1910 to 1916 served as Chairman of the first State Highway Commission.

Preferred Citation note

Cite as: Charles P. Allen Patent, Mss.02165 (2010.47), History Colorado.
Administrative Information

Conditions Governing Access note
Open to researchers without restrictions.

Immediate Source of Acquisition note
Provenance unknown.

Processing Information note
Processed by Leigh Jeremias, March 2013.

Related Materials

Related Archival Materials note
See also Denver Union Water Company Collection, Mss.00201.

Indexing Terms

Genres and Forms of Materials
- Patents.

Subjects - People
- Allen, Charles P., 1864-1916

Subjects - Topics
- Pipelines.
- Water-mains

Accession number
2010.47.10