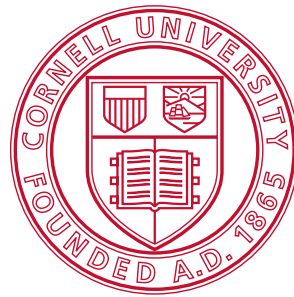


# An Overview of Resources: The Evolution of Plow Design



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**Supplemental Resources for the Lecture  
by Gerald E. Rehkugler  
on the Evolution of Plow Design**



# Overview of Supplemental Resources

As background for the lecture on the evolution of plow design the following resources have been assembled<sup>1</sup>.

1. “*The Rau Model Plow Collection at Cornell University and the Evolution of Plow Design*” manuscript (41 pages) parallels the lecture in content.
2. “*The Plow Model Collection of the Agricultural University of Hohenheim*” (102 pages) by Prof. Dr. Ludwig Rau as translated into English by Gerald E. Rehkugler.
3. A handwritten (1868) letter from Cornell’s first president, A.D. White, while traveling in Europe to university founder Ezra Cornell, a former plow salesman, describing the collection of model plows he had just acquired.
4. Earl A. White’s 1917 Cornell University Ph.D. dissertation, the first dissertation in the field (in US): *A Study of the Plow-Bottom and Its Action on the Furrow-Slice*.
5. A 1963 oral history interview with Howard Wait Riley (The 32 page transcript is *In Their Own Voices “A Conversation with Howard W. Riley: Early Agricultural Engineering at Cornell University*” by Gould Colman, the university archivist. An audio recording of the interview is also available.
6. “*Ezra’s Plows*” is an excerpt from the website of the Division of Rare and Manuscript Collections of the Cornell University Library briefly describing two plows of particular significance to Ezra Cornell – one for laying telegraph cables underground that he patented and one that he marketed as a salesman.
7. An April 2005 Special Edition of the Interlaken Historical Society: *Plowing the Soil: 1770–2005, A Day of Plows and Plowing*, describes a special event at Interlaken, NY. Gould Colman was narrator for the events and Peter McClelland provided a keynote in which he describes plowing techniques and sources of power used through the years.
8. Finally, a list of “*Selected Papers and Publications*” by Gerald E. Rehkugler lists the research interests of the lecturer.
9. Videos in the DVD-ROM: iPhone/iPod (640x480) and AppleTV (960x720) using codec H.264:  
1-Plows-Lec, 2-Plows-Q&A, 3-Gallery, 4-Min-Till, 5-Resources-Credits

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<sup>1</sup> These resources are available in the DVD-ROM and online. With a computer (but not a desktop DVD player) you may access these PDF files (after exiting the video player).

10. Videos of the lecture (“The Rau Model Plow Collection at Cornell University and the Evolution of Plow Design” are available as streaming video:

a. on **YouTube** at:

<http://www.youtube.com/watch?v=XGznAv9S94Q&feature=youtu.be>

b. on **CornellCast** at:

<http://www.cornell.edu/video/?videoid=1248>

and

c. as QuickTime videos plus the supplementary resources in **eCommons@Cornell**

<http://ecommons.library.cornell.edu/handle/1813/22847>