

# HathiTrust and SFX

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# Recherches sur les anciennes corporations ouvrières et marchandes de la ville de Rennes;

Author: Armand Rebillon  
Publisher: Paris, A. Picard et fils; Rennes, Philon et Hommay, 1902.  
Edition/Format: Book : French View all editions and formats  
Rating: ☆☆☆☆☆ (not yet rated) 0 with reviews - Be the first.

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**RECHERCHES**  
**SUR LES**  
**ANCIENNES**  
**CORPORATIONS**  
**Ouvrières et Marchandes**

**DE LA VILLE DE RENNES**

PAR

# Outline

- HathiTrust background
- HathiTrust APIs
- SFX development
- Future development
- Rollout plans

# HathiTrust

- collaboration of the several universities to establish a repository to archive and share their digitized collections.

# HathiTrust Members

- Indiana University
- Michigan State University
- Northwestern University
- The Ohio State University
- Penn State University
- Purdue University
- The University of Chicago
- University of Illinois
- University of Illinois at Chicago
- The University of Iowa
- University of Michigan
- University of Minnesota
- University of Wisconsin-Madison
- University of Virginia
- California Digital Library
- University of California Berkeley
- University of California Davis
- University of California Irvine
- University of California Los Angeles
- University of California Merced
- University of California Riverside
- University of California San Diego
- University of California San Francisco
- University of California Santa Barbara
- University of California Santa Cruz



# Goals

- To build a reliable and increasingly comprehensive digital archive of library materials
- To dramatically improve access to these materials
- To preserve the materials with electronic representations.

# Goals (continued)

- To stimulate efforts to coordinate shared storage strategies among libraries
- To create a technical framework that is both centralized and open



# HathiTrust numbers

- 5,742,251 volumes
- 926,233 public domain volumes  
(approximately 16% of total content)
- 2,009,787,850 pages
- 214 terabytes
- 68 miles
- 4,666 tons

# HathiTrust APIs

- Rights API
  - deprecated in favor of the Bibliographic API
- Bibliographic API
  - query with a variety of standard identifiers (e.g., ISBN, LCCN, OCLC, etc)
  - returns bibliographic, copyright, and volume information (including permanent URLs)

# HathiTrust Rights API

- Query using ISBN, ISSN, LCCN and/or oclcnum
- Returns
  - Biburl
  - Rights
- Information for only one item returned
- No longer supported

# HathiTrust Bibliographic API

- Returns bibliographic, rights and volume information associated with one or more standard identifier
- Record – description of bibliographic entity
- Item - physical volume that has been scanned

# id types supported

- ISBN
- ISSN
- LCCN
- oclcnum
- htid – the HathiTrust volume identifier
- recordnumber – 9 digit HathiTrust record number

# API response

- Response
  - records
    - can contain multiple record since duplicates are always possible
    - Can include marc-xml record if requested in query
  - items
    - Can be multiple

# records section

- 9 digit record number
- Titles from 245 and 880 fields
- ISSNs
- ISBNs
- LCCNs
- oclcnums
- marc-xml

# items section

- orig
  - Originating institution
- fromRecord
  - 9 digit HathiTrust record number
- htid
  - Volume identifier



# items section (continued)

- itemUrl
  - url in pageturner interface
- rightsCode
  - Copyright status of the item
- lastUpdate

# items section(continued)

- emuncron
- usRightsString
  - Textual description of rights for US-based users

# rightsCode

- pd
  - Public domain
- pdus
  - Public domain is the US
- world
  - World viewable with print restrictions

# Additional rightsCodes

- ic
  - In copyright
- opb
  - Out of print brittle
- orph
  - Copyright-orphaned
- und
  - undetermined

# SFX development

- New target in the Admin Interface
- New TargetParser
- New PlugIn
- New configuration file
- Additional values in attrib\_local.config file

# PlugIn

- Calls the HathiTrust Bibliographic API
- Passes all identifiers available
- Parses JSON response

# API call

- <http://catalog.hathitrust.org/api/volumes/brief/json/id:target;oclc:5638231>

# JSON response - records

```
{"records":{"006737478":  
  {"recordURL":"http://catalog.hathitrust.org/Record/006737478","titles":["Southern  
wealth and northern profits, as exhibited in  
statistical facts and official figures: showing  
the necessity of union to the future  
prosperity and welfare of the  
Republic."],"isbnns":[],"issns":[],"oclcns":  
["5638231"],"lccns":["06043712"]}}
```



# records (unpacked)

- 006737478
- recordURL:  
<http://catalog.hathitrust.org/Record/006737478>
- titles:[Southern wealth and northern profits, as exhibited in statistical facts and official figures ...]

# records (unpacked)

- isbn:[]
- issn:[]
- oclc:[5638231]
- lccn:[06043712]

# JSON response - items

```
"items":[{"orig":"University of  
California","fromRecord":"006737478","hti  
d":"uc1.b3862954","itemURL":"http://hdl.  
handle.net/2027/uc1.b3862954","rightsCo  
de":"pd","lastUpdate":"20090811","enumcr  
on":false,"usRightsString":"Full view"}]
```

# items (unpacked)

- orig:University of California
- fromRecord:006737478
- htid:uc1.b3862954
- itemURL:<http://hdl.handle.net/2027/uc1.b3862954>

# items (unpacked)

- rightsCode:pd
- lastUpdate:20090811
- enumcron:false
- usRightsString:Full view

# SFX Plugin

- Saves in attrib\_local.config:
  - rightsCode
  - orgin
  - htid
  - URL
- Returns '1' if
  - rightsCode is pd, pdus or world

# hathi\_trust config file

- Contains a timeout value
- Controls how long the PlugIn will wait for API response

# HathiTrust target

- Threshold
  - genre = book
  - PlugIn = yes
- URL
  - Constructed from
    - url in the parse param
    - htid saved by PlugIn





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Author: [Armand Rebillon](#)  
Publisher: Paris, A. Picard et fils; Rennes, Philon et Hommay, 1902.  
Edition/Format: Book : French [View all editions and formats](#)  
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;genre=book  
;title=Recherches%20sur%20les%20anciennes%20corporations  
%20ouvriere%CC%80res%20et%20marchandes%20de%20la  
%20ville%20de%20Rennes  
;date=1902  
;aulast=Rebillon  
;aufirst=Armand  
;id=doi%3A  
;pid=%3Caccession%20number%3E4212246%3C%2Faccession  
%20number%3E%3Cfssessid%3E0%3C%2Ffssessid%3E&

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**Source:** (1902)

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## A fearful responsibility : and other stories

Author: [William Dean Howells](#)  
Publisher: Boston : Ticknor, 1886, ©1881.  
Edition/Format: Book : Fiction : English [View all editions and formats](#)  
Rating: ☆☆☆☆☆ (not yet rated) [0 with reviews - Be the first.](#)

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;genre=book  
;title=A%20fearful%20responsibility%20%3A%20and%20other  
%20stories  
;date=1886  
;aulast=Howells  
;aufirst=William  
;auinitm=Dean  
;id=doi%3A  
;pid=%3Caccession%20number%3E**11892764**%3C%2Faccession  
%20number%3E%3Cfssessid%3E0%3C%2Ffssessid%3E

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Source: (1886)

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# A FEARFUL RESPONSIBILITY

## AND OTHER STORIES

BY

WILLIAM D. HOWELLS

AUTHOR OF "THE LADY OF THE AROOSTOOK," "THE UNDISCOVERED COUNTRY," ETC.





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## Parnassus;

Author: [Ralph Waldo Emerson](#)  
Publisher: Boston, Houghton, Mifflin and Co., 1881.  
Edition/Format: Book : English [View all editions and formats](#)  
Rating: ☆☆☆☆☆ (not yet rated) [0 with reviews - Be the first.](#)

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;title=Parnassus  
;date=1881  
;aulast=Emerson  
;aufirst=Ralph  
;auinitm=Waldo  
;id=doi%3A  
;pid=%3Caccession%20number%3E3620078%3C%2Faccession  
%20number%3E%3Cfssessid%3E0%3C%2Ffssessid%3E](http://ucelinks.cdlib.org:8888/sfx_local?sid=FirstSearch%3AWorldCat;genre=book;title=Parnassus;date=1881;aulast=Emerson;aufirst=Ralph;auinitm=Waldo;id=doi%3A;pid=%3Caccession%20number%3E3620078%3C%2Faccession%20number%3E%3Cfssessid%3E0%3C%2Ffssessid%3E)

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# PARNASSUS

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# Southern wealth and northern profits, as exhibited in statistical facts and official figures : showing the necessity of union to the future prosperity and welfare of the Republic

Author: [Thomas Prentice Kettell](#)  
Publisher: New York : G.W. & J.A. Wood, 1860  
Edition/Format: Book : eBook : English [View all editions and formats](#)  
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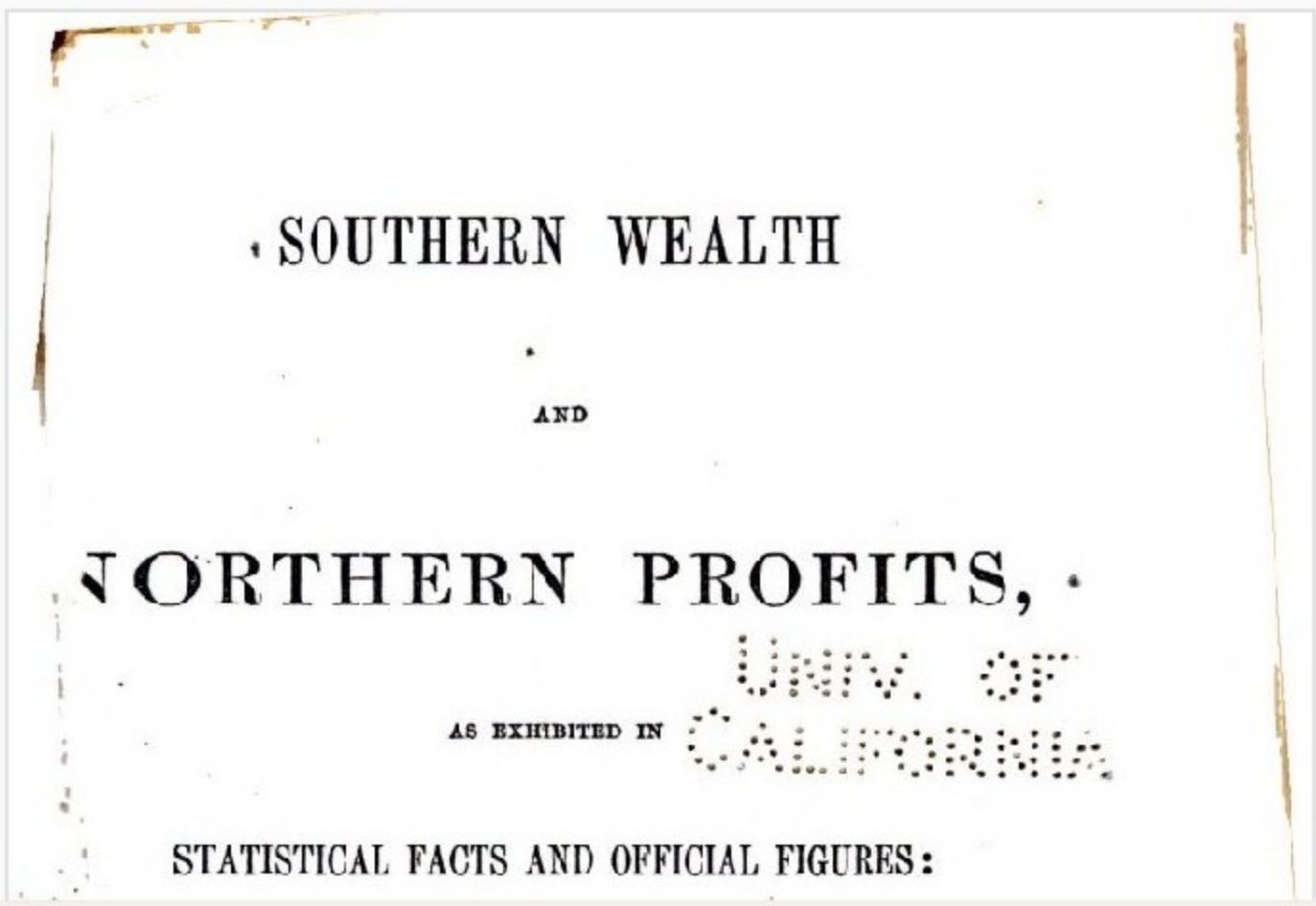
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SOUTHERN WEALTH

AND

NORTHERN PROFITS,

AS EXHIBITED IN

Univ. of California

STATISTICAL FACTS AND OFFICIAL FIGURES:



# Sources for testing new target

- Worldcat
  - Public (.org)
  - FirstSearch

# HathiTrust statistics

- Production release April 21, 2010
- 119 clickthroughs 4/18-4/24
  - ‘afterglow’ from public announcement to UC
- 7 clickthroughs 4/25-5/1
- 13 clickthroughs 5/2-5/8

# GoogleBooks statistics

- 40 clickthroughs in 2009
- 3 clickthroughs 4/18-4/24
- 1 clickthrough 4/25-5/1
- 4 clickthroughs 5/2-5/8

# Near future plans

- Enhance Aleph Source parser to capture oclcnum and lccn
- Thanks to UC Davis and Karl Kocher!

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<b>Author</b>	● <a href="#">Cromer, Evelyn Baring, 1841-1917.</a>
<b>Title</b>	● <a href="#">Abbas II / by the Earl of Cromer.</a>
<b>Published</b>	London : Macmillan and Co., 1915.
<b>Description</b>	xxviii, 84 p. ; 23 cm.
<b>Record format</b>	BK Book
<b>Check Availability</b>	<a href="#">All items</a>
<b>Call no.</b>	<a href="#">Shields Library DT107.6 .C8 Regular Loan</a>
<b>Bibliography</b>	Includes bibliographical references.
<b>Per. Sub.</b>	● <a href="#">'Abbās II, Khedive of Egypt, 1874-1944.</a>



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Source: Abbas II / Cromer yr:1915



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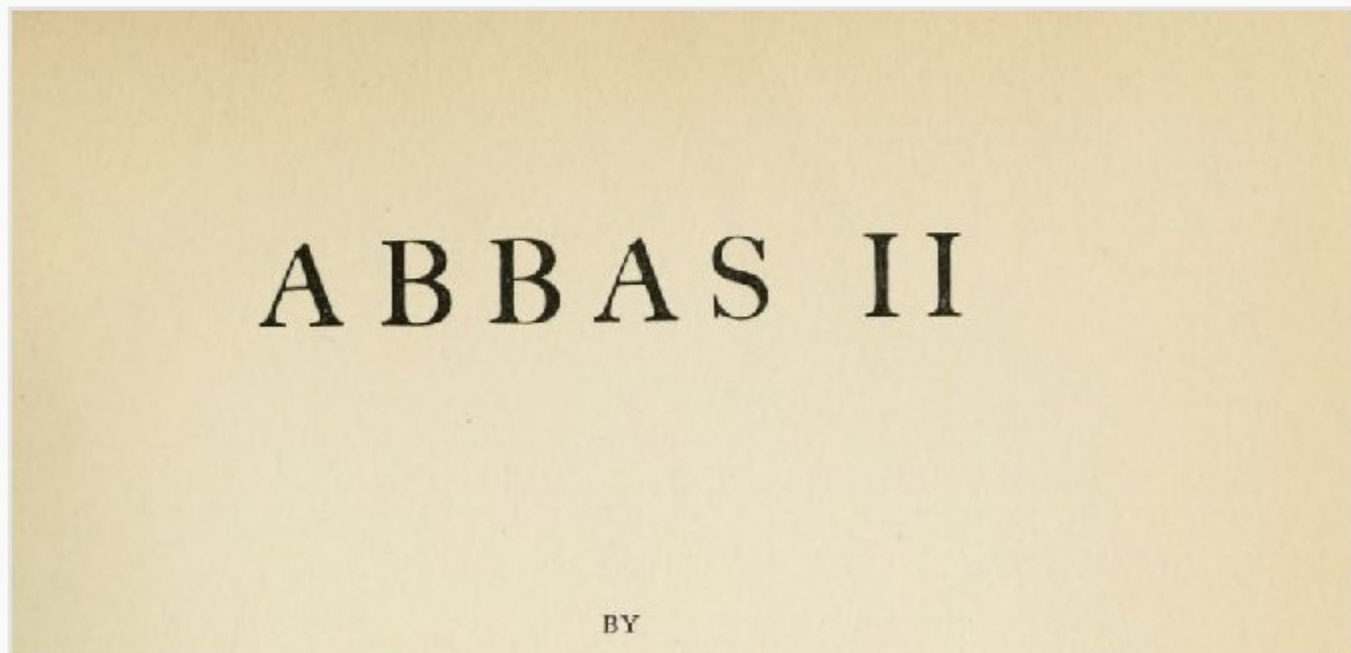
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<b>Author</b>	● <a href="#">Vasey, George.</a>
<b>Title</b>	● <a href="#">The agricultural grasses and forage plants of the United States; and such foreign kinds as have been introduced. By Dr. Geo. Vasey; with an appendix on the chemical composition of grasses, by Clifford Richardson.</a>
<b>Edition</b>	A new, rev. and enl. ed.
<b>Published</b>	Washington, Govt. print. off., 1889.
<b>Description</b>	148 p. incl. tables. 114 pl.
<b>Record format</b>	BK Book
	BI Books with illustrations
	GV Govt Publication
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U. S. DEPARTMENT OF AGRICULTURE.  
BOTANICAL DIVISION.  
SPECIAL BULLETIN.

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THE



# Next Steps

- Multiple records/items in JSON record
- Serials/multi-volume monographs
- Support for other OPACs
  - Voyager
  - III

# WorldCatLocal

- HathiTrust e-books
  - oclcnum have not been indexed in Hathi
- SFX target will work for print editions

# CDL and Hathi rollout plans

- CDL in production
  - Tracking usage
  - Load on HathiTrust API
- Hathi consortia member
- eLCommons for other SFX customers



# Contact information

Margery.Tibbetts@ucop.edu

