

AccessionIndex: TCD-SCSS-V.20200520.001

Accession Date: 20-May-2020

Accession By: Eric Hutton

Object name: Digitized Archives of The English Mechanic and World of Science

Vintage: 2020

Synopsis: The full archive set in which was first discovered a diagram of Percy Ludgate's Analytical Machine.

**Description:**

Just before Christmas 2019, Ralf Beulow of Heinz Nixdorf MuseumsForum [3] with Eric Hutton [1] discovered a pair of articles about Ludgate's machine in the popular science magazine "*The English Mechanic and World of Science*". One was a very brief summary [4] of Percy Ludgate's 1909 paper (see [2]), with no new information.

The other article [5] did indeed promise new information, if validated, and included the first known diagram of Ludgate's machine. This article was attributed to "*Engineering*". A search by Jade Ward of University of Leeds Library discovered the article was in fact an abbreviated extract of an article [6] published a month earlier in "*Engineering*" (a London-based monthly magazine founded in 1865).

Many thanks to Eric Hutton for generously donating a complete set of the digitized archives of "*The English Mechanic and World of Science*".

The homepage for this catalog is at: <https://www.scss.tcd.ie/SCSSTreasuresCatalog/>  
Click 'Accession Index' (1st column listed) for related folder, or 'About' for further guidance. Some of the items below may be more properly part of other categories of this catalog, but are listed here for convenience.

| Accession Index                         | Object with Identification   |
|---|--|
| <a href="#">TCD-SCSS-V.20200520.001</a> | Eric Hutton, Digitized Archives of The English Mechanic and World of Science. The full archive set in which was first discovered a diagram of Percy Ludgate's Analytical Machine.. Official electronic image files on USB stick. |
| <a href="#">TCD-SCSS-X.20121208.002</a> | Percy E. Ludgate Prize in Computer Science. Prize in memory of Percy Ludgate's novel 1909 design for an Analytical Engine, the next after Babbage's, c.1909.   |

### References:

1. Eric Hutton, *The English Mechanic and World of Science*, see:  
<http://www.englishmechanic.com>  
Last viewed 20-May-2020.
2. Trinity College Dublin, *Percy E. Ludgate folder*, see:  
<https://www.scss.tcd.ie/SCSSTreasuresCatalog/miscellany/TCD-SCSS-X.20121208.002/>  
Also *Percy E. Ludgate Prize in Computer Science*. Available at:  
<https://www.scss.tcd.ie/SCSSTreasuresCatalog/miscellany/TCD-SCSS-X.20121208.002/TCD-SCSS-X.20121208.002.pdf>  
Last viewed 20-May-2020.
3. Ralf Buelow, *Percy Ludgate, der unbekannte Computerpionier* [Percy Ludgate, the Unknown Computer Pioneer], Heinz Nixdorf MuseumsForum, 17-Jan-2020.  
Available in German at: <https://blog.hnf.de/percy-ludgate-der-unbekannte-computerpionier/>  
Also Google translation to English, courtesy Brian Randell. Available at [2] in file: "RalfBuelow-HNF-Blog20200117-translation-BRandell-v2-20200117-0756.docx".  
Last viewed 20-May-2020.
4. Scientific News, *No. 9 of the Scientific Proceedings of the Royal Dublin Society*, English Mechanic and World of Science, No. 2302, p. 322, 7-May-1909, discovered by Ralf Buelow, image provided by Eric Hutton, 19-Dec-2019.
5. Engineering (attribution), *A Proposed Analytical Machine*, English Mechanic and World of Science, No. 2319, p. 111, Vol. 90 (1909/10), 3-Sep-1909, discovered by Ralf Buelow, image provided by Eric Hutton, 19-Dec-2019.
6. Engineering, *A Proposed Analytical Machine*, pp.256-257, 20-Aug-1909, discovered by Jade Ward, Univ.Leeds Library, 14-Jan-2020.

<< **PHOTO TBD** >>

*Figure 1: Full set of The English Mechanic and World of Science archived issues  
Official computer USB stick, front view  
Donated by Eric Hutton*

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*Figure 2 ENGLISH MECHANIC AND WORLD OF SCIENCE, NO. 2302, MAY 7, 1909, PAGES 322  
Image reproduced courtesy Ralf Buelow of Heinz Nixdorf MuseumsForum, and Eric Hutton  
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*Figure 3 ENGLISH MECHANIC AND WORLD OF SCIENCE, NO. 2319, SEPT 3, 1909, PAGE 111  
Image reproduced courtesy Ralf Buelow of Heinz Nixdorf MuseumsForum, and Eric Hutton  
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