

筒井  
秀先生  
講義

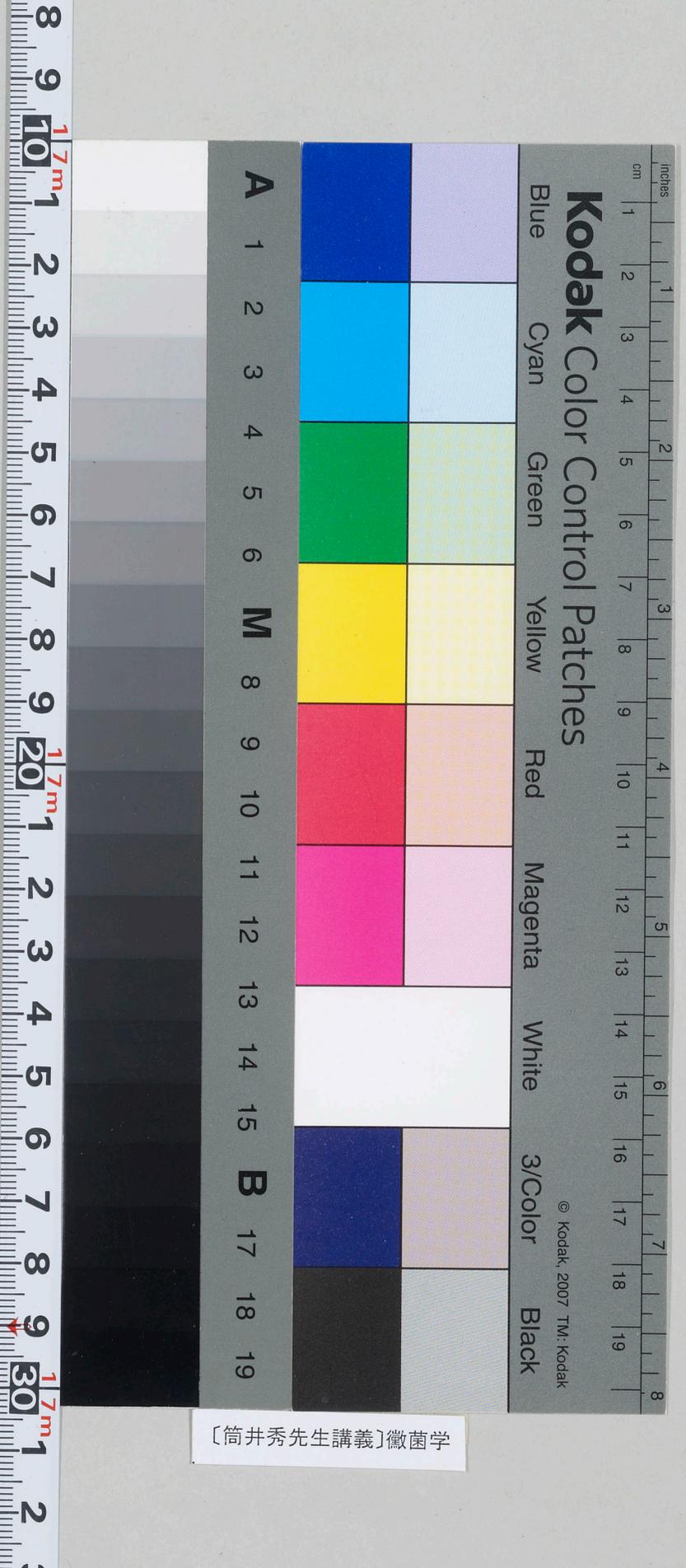
徽菌學

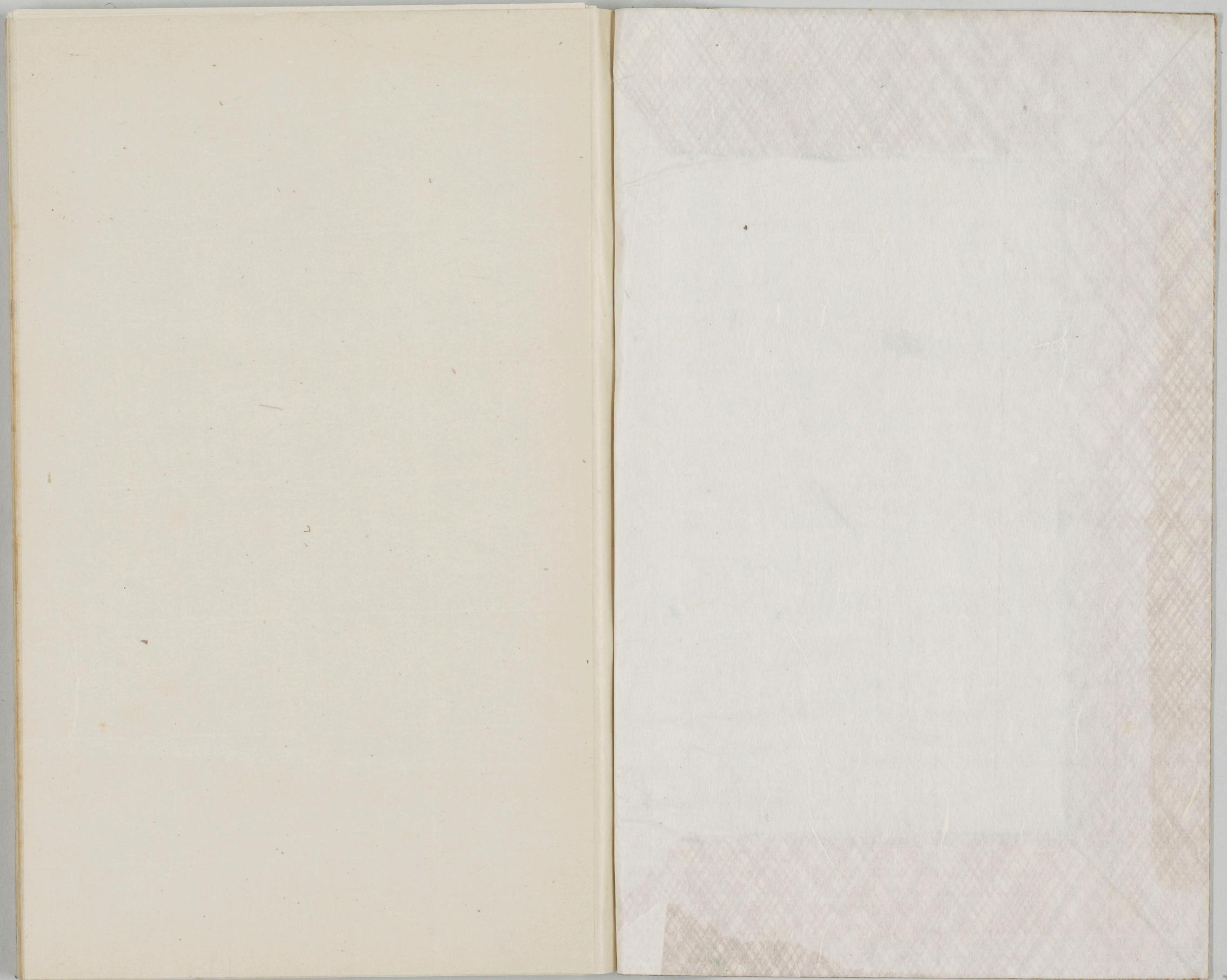
[筒井秀先生講義]徽菌學

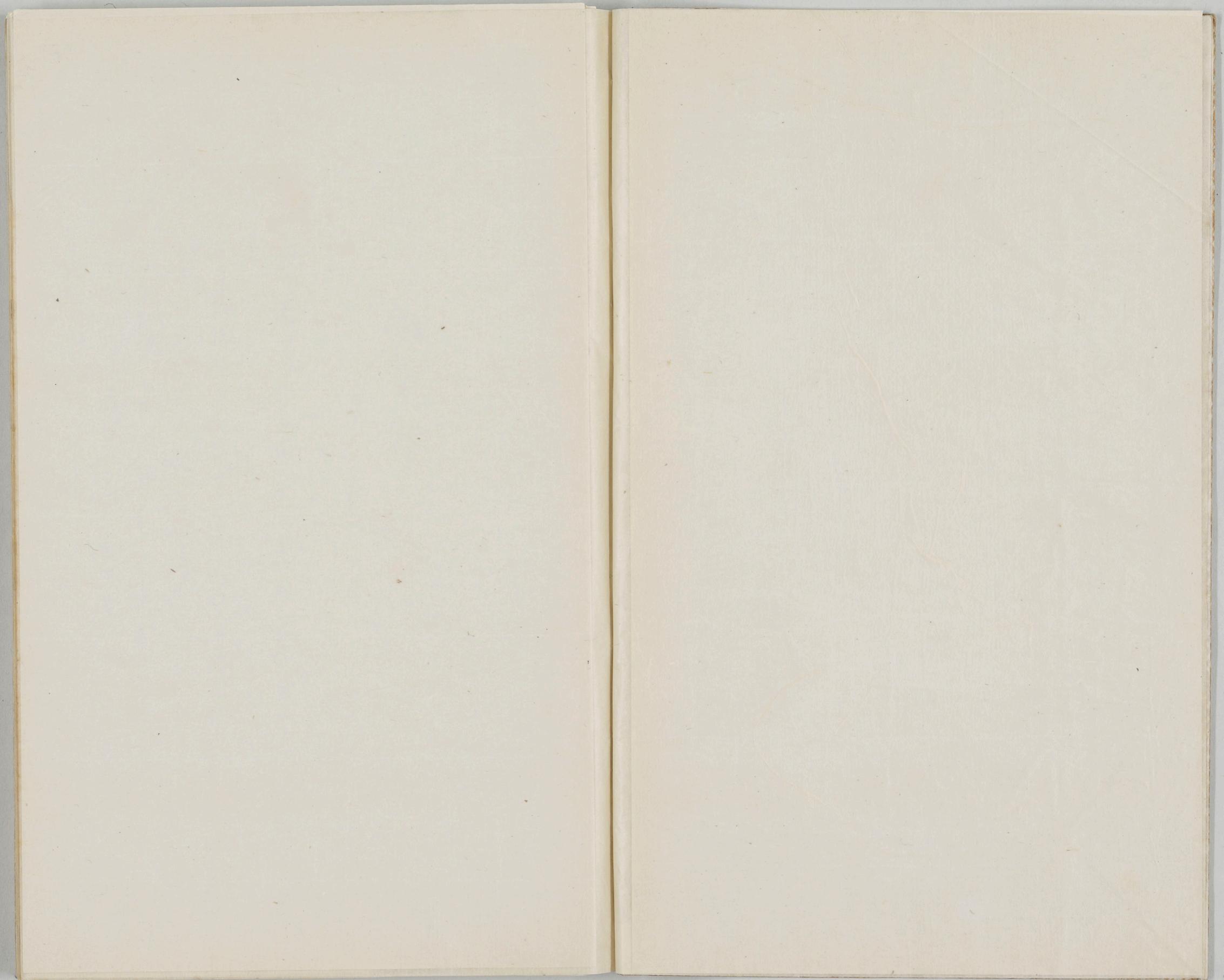
Kodak Color Control Patches

Blue Cyan Green Yellow Red Magenta White 3/Color Black

A 1 2 3 4 5 6 M 8 9 10 11 12 13 14 15 B 17 18 19







微菌學

Bacteriologia

微菌學 *Bacteriologia* 之 分類 菌 乃 *Bacteriologia* 之 新 研究 之 學 也

す

元來 顯微鏡 之 見 下 等 生物 之 活 動 之 微 生物 *Bacteriologia* 之 研究 之 學 也  
ト云 之 内 之 動物 性 之 植物 之 下 等 也

(一) 動物性 微 生物 *Bacteriologia* 之 研究 之 學 也

(二) 植物性 微 生物 *Bacteriologia* 之 研究 之 學 也

之 植物 性 微 生物 之 内 之 研究 之 學 也

(一) 分類 菌 *Bacteriologia*









竹葉青丸

竹葉青丸  
此丸專治一切瘧疾，無論新久，服之立效。其法：每日服三次，每次服一丸，開水送下。如病重者，可隨時服之。此丸之功效，誠不可思議也。

梅角茶

梅角茶  
此茶專治一切瘧疾，無論新久，服之立效。其法：每日服三次，每次服一茶匙，開水送下。如病重者，可隨時服之。此茶之功效，誠不可思議也。

男婦

男婦  
此丸專治一切瘧疾，無論新久，服之立效。其法：每日服三次，每次服一丸，開水送下。如病重者，可隨時服之。此丸之功效，誠不可思議也。

U

梅角茶

竹葉青丸

手及云

梅角茶

竹葉青丸

手及云

梅角茶

竹葉青丸

竹葉青丸  
此丸專治一切瘧疾，無論新久，服之立效。其法：每日服三次，每次服一丸，開水送下。如病重者，可隨時服之。此丸之功效，誠不可思議也。

Handwritten text at the top of the page, likely a title or header.

Handwritten text in the upper section of the page, possibly a list or detailed notes.

Handwritten text in the middle section of the page, continuing the list or notes.

Handwritten text in the lower section of the page, possibly a summary or conclusion.

温

Temperamentum

Handwritten text at the bottom of the page, possibly a final note or signature.





Handwritten text in Arabic script, likely a list or index, with some words underlined in red ink.

Handwritten marginal note in red ink.

Handwritten text in Arabic script, with several lines underlined in red ink.

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Handwritten text in Arabic script, likely a list or index of items, with some words underlined in red ink. The text is arranged in several vertical columns.

清單  
功用

毒藥 Spolium Arabian

Handwritten text in Arabic script, continuing the list or index from the previous page. It includes several lines of text with red underlines, possibly indicating specific details or uses of the substances mentioned.

Handwritten text in Arabic script, starting with 'بسم الله الرحمن الرحيم'.

Handwritten text in red ink.

Handwritten text in Arabic script, including 'الحمد لله رب العالمين'.

Handwritten text in red ink.

Handwritten text in Arabic script, including 'والصلاة والسلام على من لا نبي بعده'.

Handwritten text in Arabic script, including 'والله اعلم بالصواب'.

Handwritten text in red ink.

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Handwritten text in red ink.

Handwritten text in Arabic script, including 'والله اعلم بالصواب'.



Handwritten text in a cursive script, possibly a list or account entry, starting with a small mark resembling a comma or a flourish.

Handwritten red characters, likely a date or a specific label, positioned vertically.

Handwritten text in a cursive script, continuing the list or account entry.

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Handwritten text in a cursive script, continuing the list or account entry.

1.  $\frac{1}{2} \frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \frac{1}{2} m v \frac{dv}{dt}$   
 2.  $\frac{1}{2} m v^2 = \int m v \frac{dv}{dt} dt = \int m v dv$   
 3.  $\frac{1}{2} m v^2 = \frac{1}{2} m v^2 + C$   
 4.  $\frac{1}{2} m v^2 = \frac{1}{2} m v^2 + C$   
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 10.  $\frac{1}{2} m v^2 = \frac{1}{2} m v^2 + C$

Handwritten text in vertical columns, likely a manuscript or ledger. The text is dense and covers most of the page.

Handwritten text in vertical columns, continuing the manuscript or ledger. The text is dense and covers most of the page.

徵角換直法

Handwritten text below the section header, possibly a note or continuation of the text.

Handwritten text in Arabic script, likely a list or index, with some words underlined.

Handwritten text in Arabic script, continuing the list or index.

Handwritten text in Arabic script, including some underlined words.

Handwritten title or section header in Arabic script, possibly 'الكتاب'.

Handwritten text in Arabic script, beginning with a decorative flourish.

Handwritten text in Arabic script, continuing the main text.

Handwritten text in Arabic script, starting with 'بسم الله الرحمن الرحيم'.



Handwritten text in Arabic script, possibly a title or a specific section header.

Main body of handwritten text in Arabic script, consisting of several lines of prose.

Main body of handwritten text in Arabic script on the right page, including a musical staff with notes and a large decorative flourish at the end.



Handwritten text in Arabic script, likely a list or index of items.

Handwritten text in Arabic script, possibly a title or subtitle.

Handwritten text

Handwritten text in Arabic script, located at the top of the page.

Main body of handwritten text in Arabic script on the right page.







1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1.  $\frac{1}{x} = x^{-1}$   
 $\frac{d}{dx} x^{-1} = -1 \cdot x^{-2} = -x^{-2} = -\frac{1}{x^2}$   
 $\frac{d}{dx} \frac{1}{x} = -\frac{1}{x^2}$   
 2.  $\frac{1}{x^2} = x^{-2}$   
 $\frac{d}{dx} x^{-2} = -2 \cdot x^{-3} = -2x^{-3} = -\frac{2}{x^3}$   
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$   
 3.  $\frac{1}{x^3} = x^{-3}$   
 $\frac{d}{dx} x^{-3} = -3 \cdot x^{-4} = -3x^{-4} = -\frac{3}{x^4}$   
 $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$   
 4.  $\frac{1}{x^4} = x^{-4}$   
 $\frac{d}{dx} x^{-4} = -4 \cdot x^{-5} = -4x^{-5} = -\frac{4}{x^5}$   
 $\frac{d}{dx} \frac{1}{x^4} = -\frac{4}{x^5}$   
 5.  $\frac{1}{x^5} = x^{-5}$   
 $\frac{d}{dx} x^{-5} = -5 \cdot x^{-6} = -5x^{-6} = -\frac{5}{x^6}$   
 $\frac{d}{dx} \frac{1}{x^5} = -\frac{5}{x^6}$

هذه  
 هي  
 القواعد  
 لاشتقاق  
 القوى  
 السالبة

6.  $\frac{1}{x^6} = x^{-6}$   
 $\frac{d}{dx} x^{-6} = -6 \cdot x^{-7} = -6x^{-7} = -\frac{6}{x^7}$   
 $\frac{d}{dx} \frac{1}{x^6} = -\frac{6}{x^7}$   
 7.  $\frac{1}{x^7} = x^{-7}$   
 $\frac{d}{dx} x^{-7} = -7 \cdot x^{-8} = -7x^{-8} = -\frac{7}{x^8}$   
 $\frac{d}{dx} \frac{1}{x^7} = -\frac{7}{x^8}$   
 8.  $\frac{1}{x^8} = x^{-8}$   
 $\frac{d}{dx} x^{-8} = -8 \cdot x^{-9} = -8x^{-9} = -\frac{8}{x^9}$   
 $\frac{d}{dx} \frac{1}{x^8} = -\frac{8}{x^9}$   
 9.  $\frac{1}{x^9} = x^{-9}$   
 $\frac{d}{dx} x^{-9} = -9 \cdot x^{-10} = -9x^{-10} = -\frac{9}{x^{10}}$   
 $\frac{d}{dx} \frac{1}{x^9} = -\frac{9}{x^{10}}$   
 10.  $\frac{1}{x^{10}} = x^{-10}$   
 $\frac{d}{dx} x^{-10} = -10 \cdot x^{-11} = -10x^{-11} = -\frac{10}{x^{11}}$   
 $\frac{d}{dx} \frac{1}{x^{10}} = -\frac{10}{x^{11}}$

هذه  
 هي  
 القواعد  
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 السالبة

11.  $\frac{1}{x^{11}} = x^{-11}$   
 $\frac{d}{dx} x^{-11} = -11 \cdot x^{-12} = -11x^{-12} = -\frac{11}{x^{12}}$   
 $\frac{d}{dx} \frac{1}{x^{11}} = -\frac{11}{x^{12}}$   
 12.  $\frac{1}{x^{12}} = x^{-12}$   
 $\frac{d}{dx} x^{-12} = -12 \cdot x^{-13} = -12x^{-13} = -\frac{12}{x^{13}}$   
 $\frac{d}{dx} \frac{1}{x^{12}} = -\frac{12}{x^{13}}$   
 13.  $\frac{1}{x^{13}} = x^{-13}$   
 $\frac{d}{dx} x^{-13} = -13 \cdot x^{-14} = -13x^{-14} = -\frac{13}{x^{14}}$   
 $\frac{d}{dx} \frac{1}{x^{13}} = -\frac{13}{x^{14}}$   
 14.  $\frac{1}{x^{14}} = x^{-14}$   
 $\frac{d}{dx} x^{-14} = -14 \cdot x^{-15} = -14x^{-15} = -\frac{14}{x^{15}}$   
 $\frac{d}{dx} \frac{1}{x^{14}} = -\frac{14}{x^{15}}$   
 15.  $\frac{1}{x^{15}} = x^{-15}$   
 $\frac{d}{dx} x^{-15} = -15 \cdot x^{-16} = -15x^{-16} = -\frac{15}{x^{16}}$   
 $\frac{d}{dx} \frac{1}{x^{15}} = -\frac{15}{x^{16}}$

هذه  
 هي  
 القواعد  
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هذه  
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16.  $\frac{1}{x^{16}} = x^{-16}$   
 $\frac{d}{dx} x^{-16} = -16 \cdot x^{-17} = -16x^{-17} = -\frac{16}{x^{17}}$   
 $\frac{d}{dx} \frac{1}{x^{16}} = -\frac{16}{x^{17}}$   
 17.  $\frac{1}{x^{17}} = x^{-17}$   
 $\frac{d}{dx} x^{-17} = -17 \cdot x^{-18} = -17x^{-18} = -\frac{17}{x^{18}}$   
 $\frac{d}{dx} \frac{1}{x^{17}} = -\frac{17}{x^{18}}$   
 18.  $\frac{1}{x^{18}} = x^{-18}$   
 $\frac{d}{dx} x^{-18} = -18 \cdot x^{-19} = -18x^{-19} = -\frac{18}{x^{19}}$   
 $\frac{d}{dx} \frac{1}{x^{18}} = -\frac{18}{x^{19}}$   
 19.  $\frac{1}{x^{19}} = x^{-19}$   
 $\frac{d}{dx} x^{-19} = -19 \cdot x^{-20} = -19x^{-20} = -\frac{19}{x^{20}}$   
 $\frac{d}{dx} \frac{1}{x^{19}} = -\frac{19}{x^{20}}$   
 20.  $\frac{1}{x^{20}} = x^{-20}$   
 $\frac{d}{dx} x^{-20} = -20 \cdot x^{-21} = -20x^{-21} = -\frac{20}{x^{21}}$   
 $\frac{d}{dx} \frac{1}{x^{20}} = -\frac{20}{x^{21}}$



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الجمهورية الجزائرية الديمقراطية الشعبية

Handwritten text in Arabic script, likely a manuscript or a list of items. The text is written in a cursive style and includes several lines of text. Some words are underlined or written in red ink, such as "التي" and "التي".

Handwritten text in Arabic script, continuing the manuscript or list. It includes several lines of text, with some words underlined or written in red ink, such as "التي" and "التي".

Handwritten title or section header in Arabic script.

Handwritten text in Arabic script, likely a continuation of the manuscript or list. It includes several lines of text, with some words underlined or written in red ink, such as "التي" and "التي".

Handwritten text in Arabic script, located at the top of the page. It appears to be a note or a reference, possibly mentioning a date or a specific event.

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 2. 将 100 克 硝酸钾 溶于 1000 毫升 水中  
 3. 将 100 克 硝酸钾 溶于 1000 毫升 水中  
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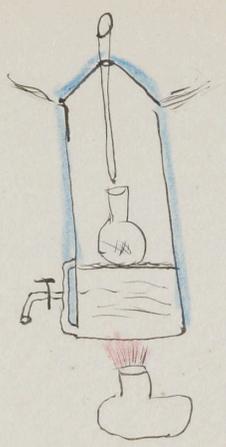
(A) 硝酸钾 的 溶解度

1. 将 100 克 硝酸钾 溶于 1000 毫升 水中  
 2. 将 100 克 硝酸钾 溶于 1000 毫升 水中

培养基

1. 将 100 克 硝酸钾 溶于 1000 毫升 水中  
 2. 将 100 克 硝酸钾 溶于 1000 毫升 水中  
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1. 将 100 克 硝酸钾 溶于 1000 毫升 水中  
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Handwritten text in Arabic script, likely a list or account. The text is written in a cursive style and occupies most of the page.

Handwritten notes or signatures at the bottom of the page, including a date and a signature.

Handwritten text in Arabic script, continuing from the previous page. It includes several lines of text and a prominent heading.

Handwritten notes or signatures at the bottom of the page, including a date and a signature.

Handwritten heading or title in Arabic script.

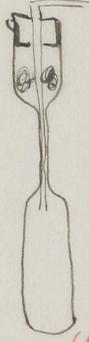






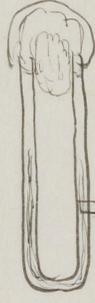
Handwritten text in Arabic script, likely a title or introductory note.

Handwritten text in Arabic script, first paragraph.



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Handwritten text in Arabic script, third paragraph.



Handwritten text in Arabic script, first paragraph on the right page.

Handwritten text in Arabic script, second paragraph on the right page.

Handwritten text in Arabic script, third paragraph on the right page.

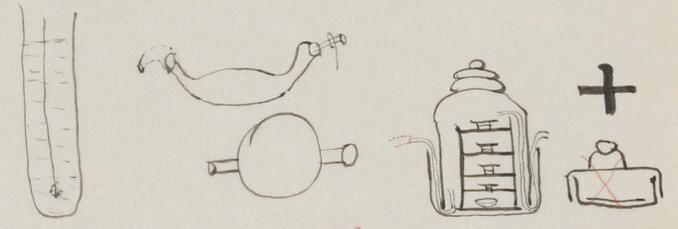
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Handwritten text in Arabic script, fifth paragraph on the right page.

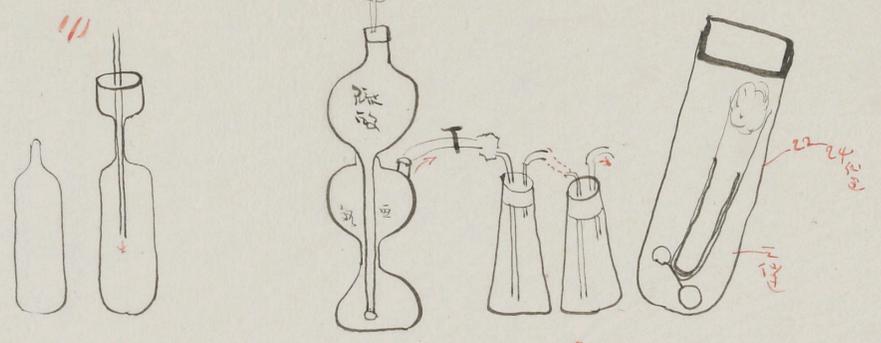


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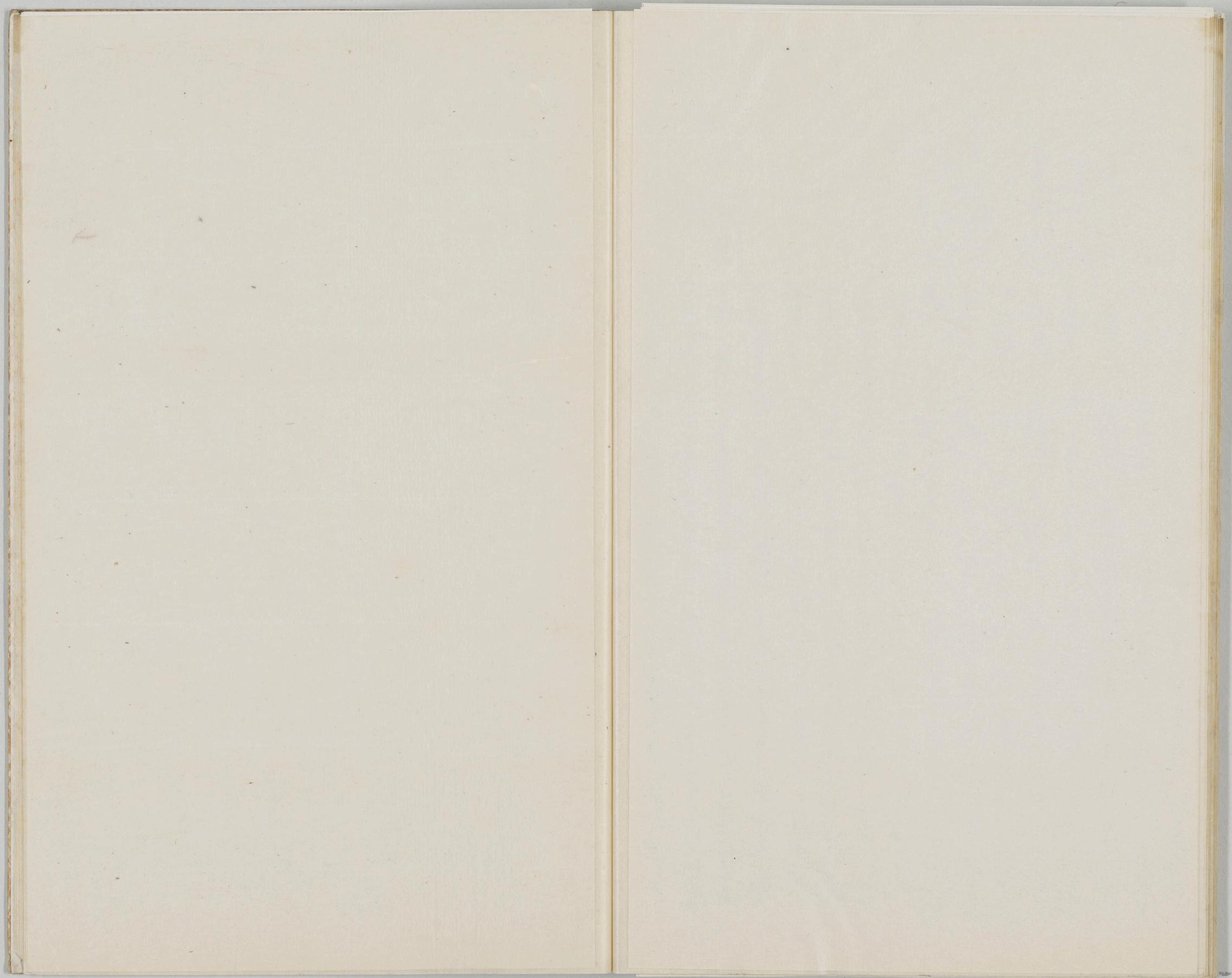
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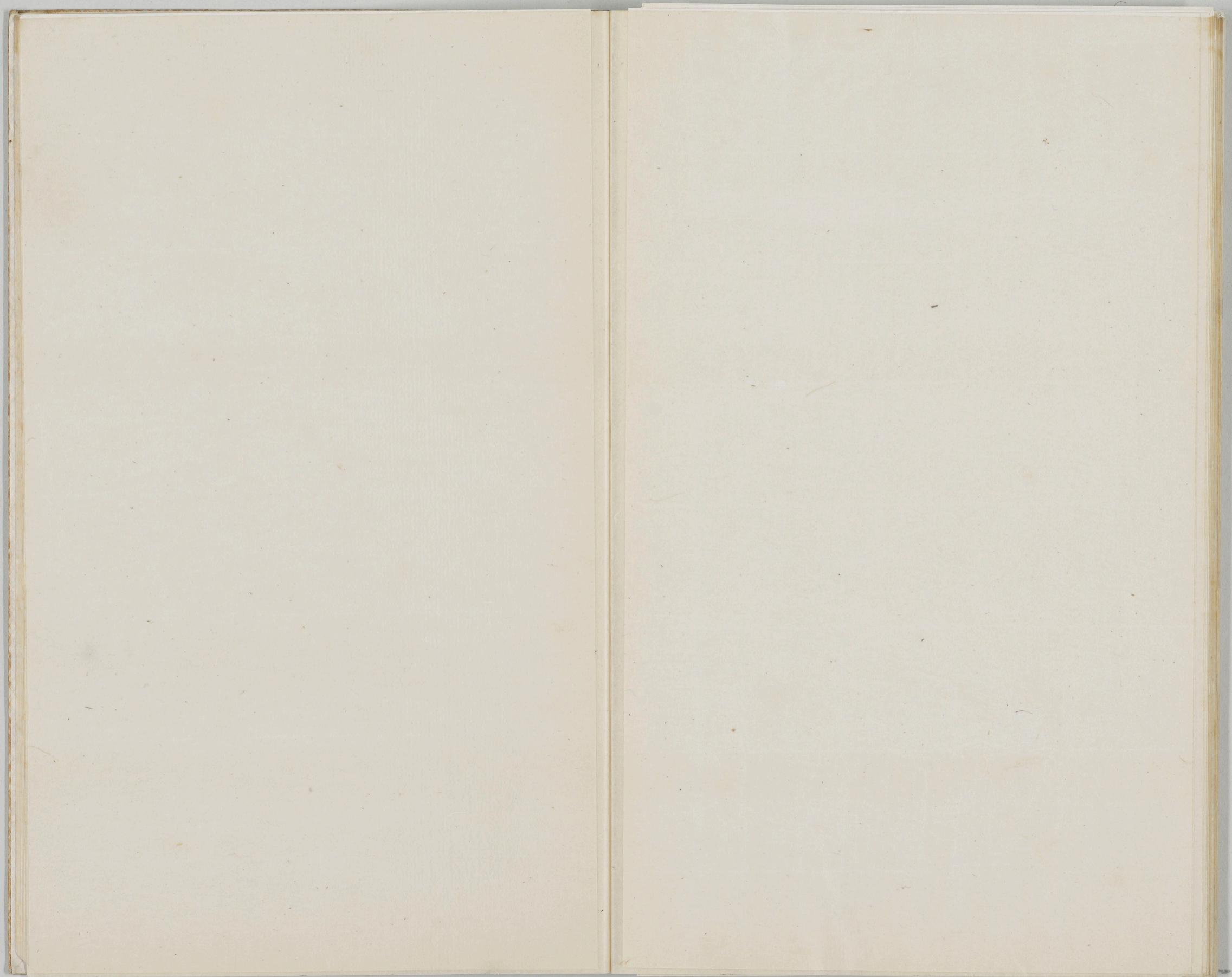


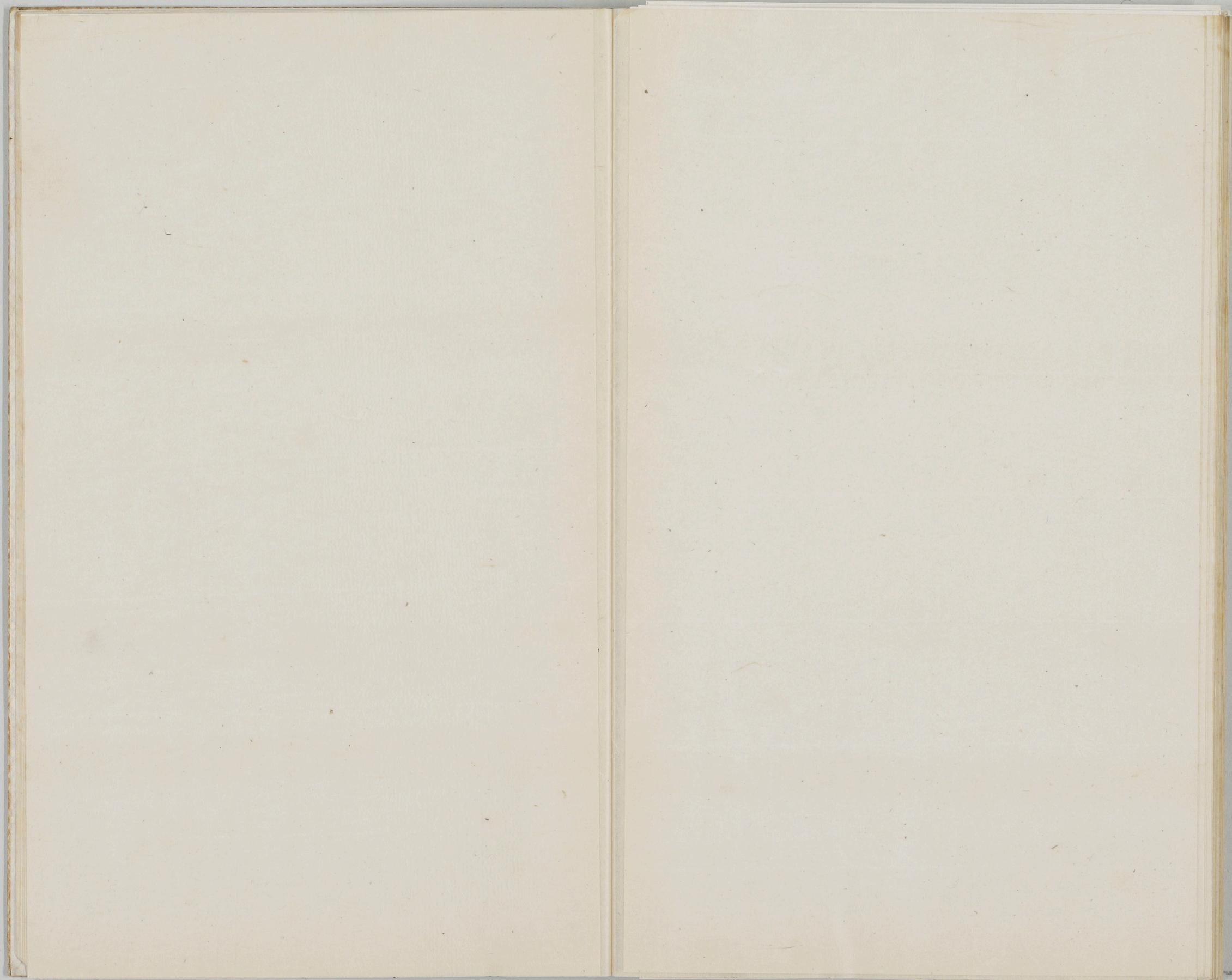
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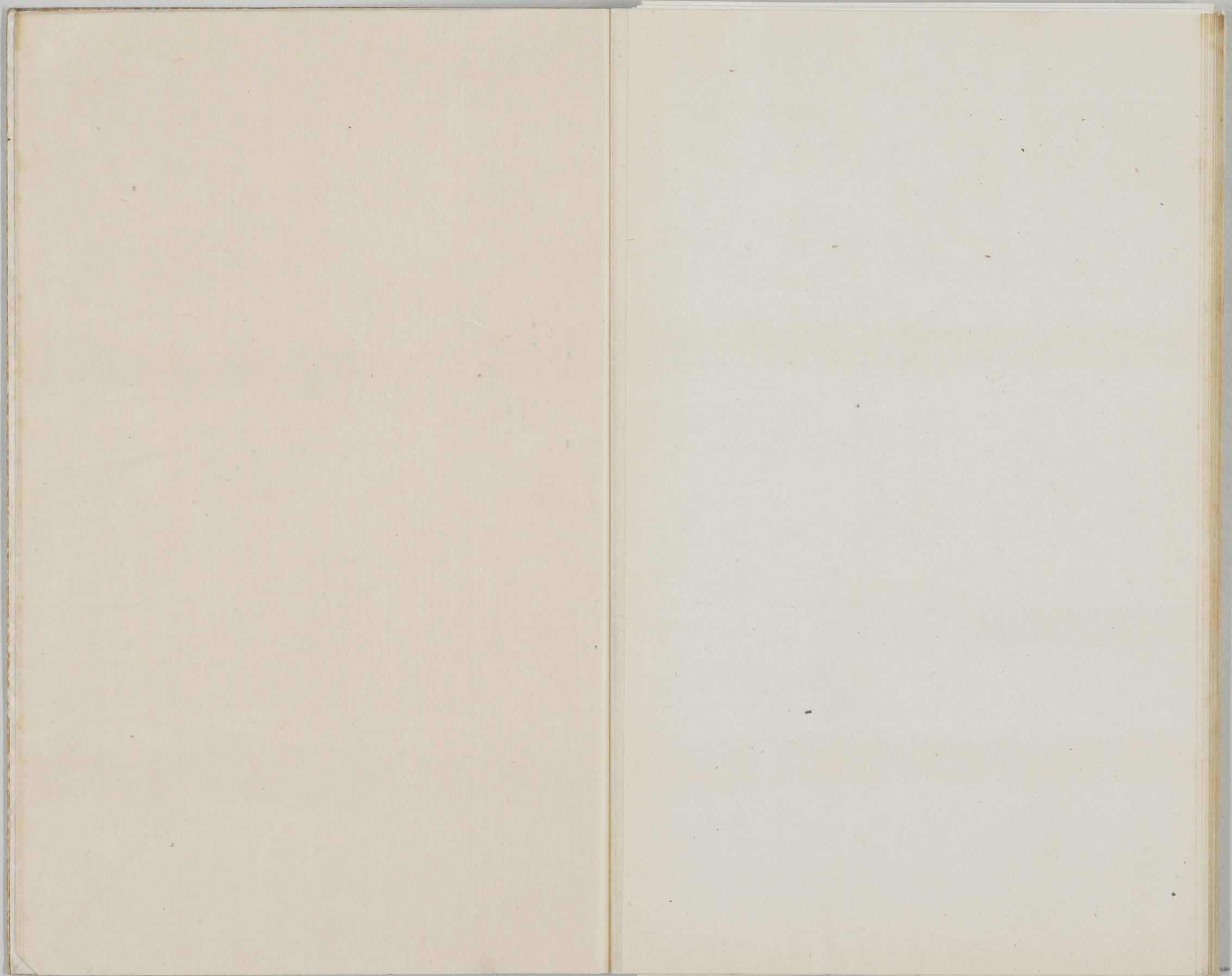


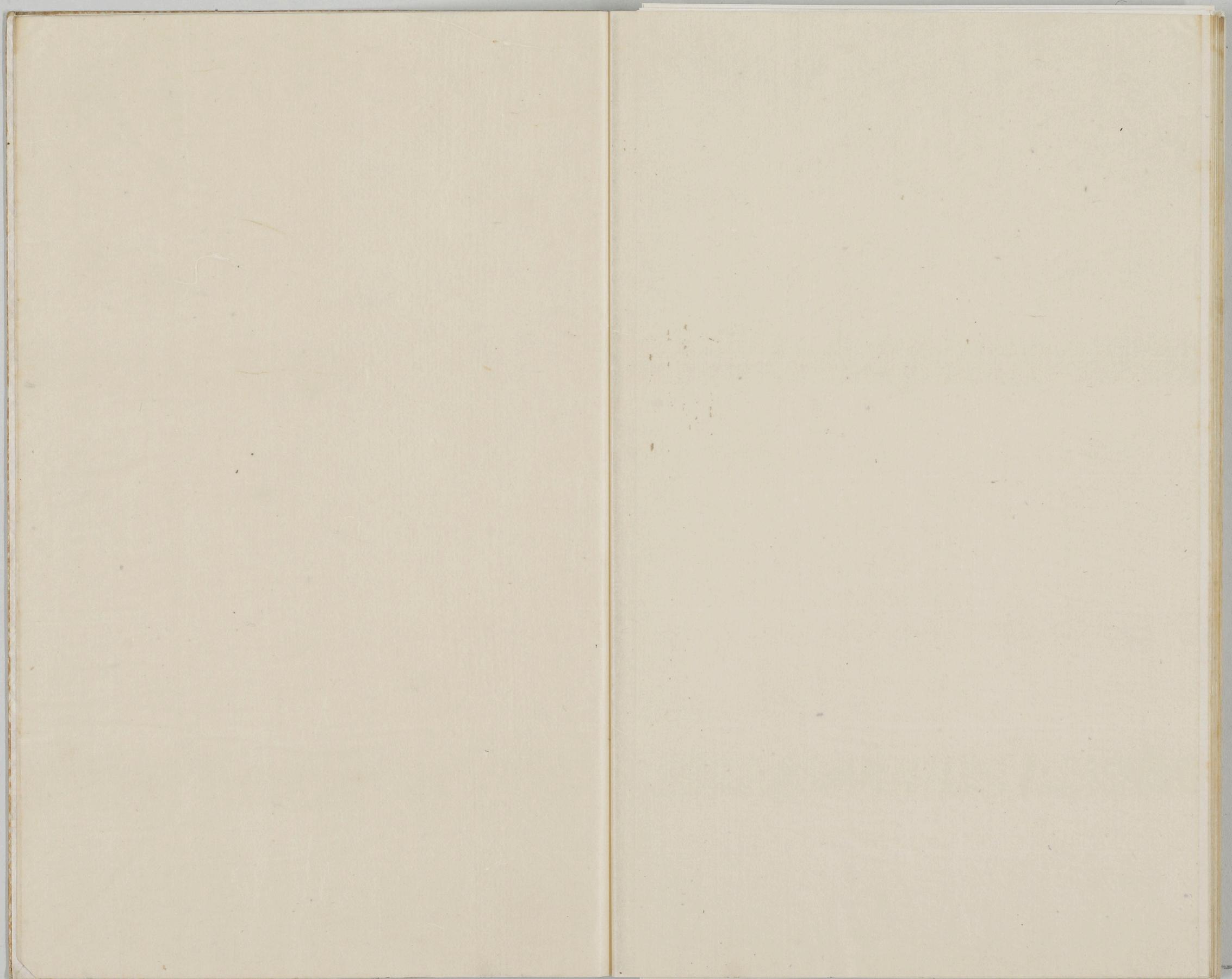


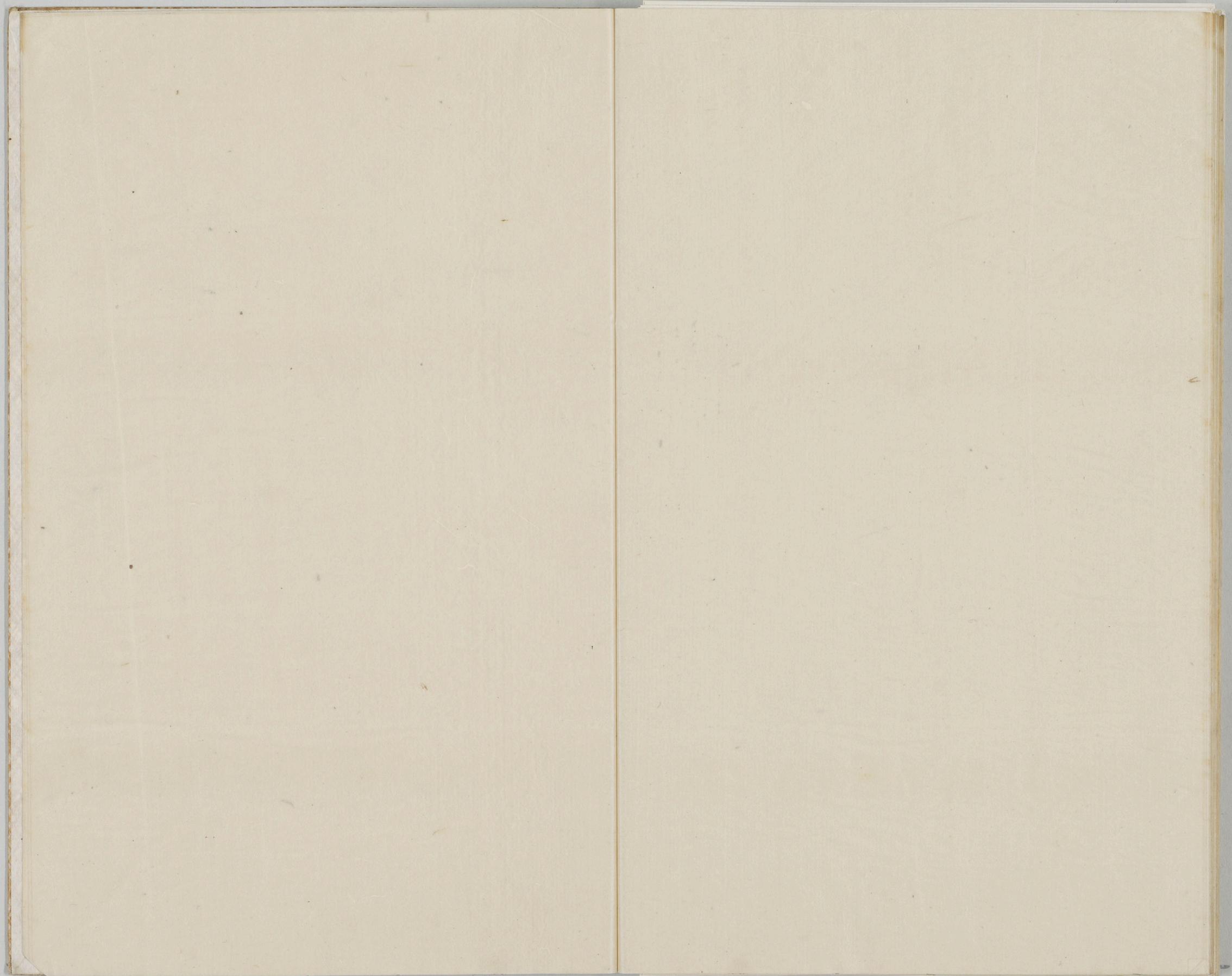


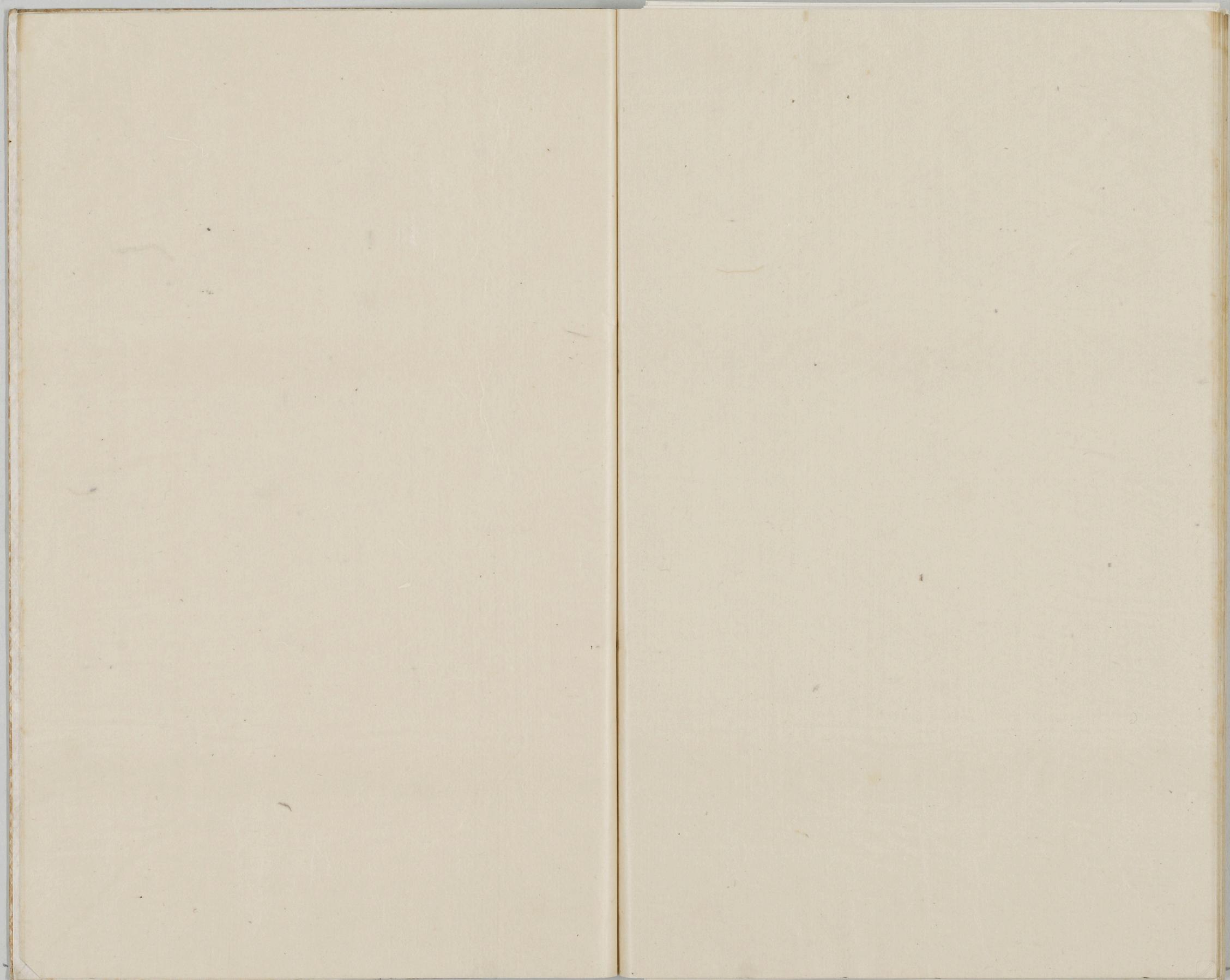


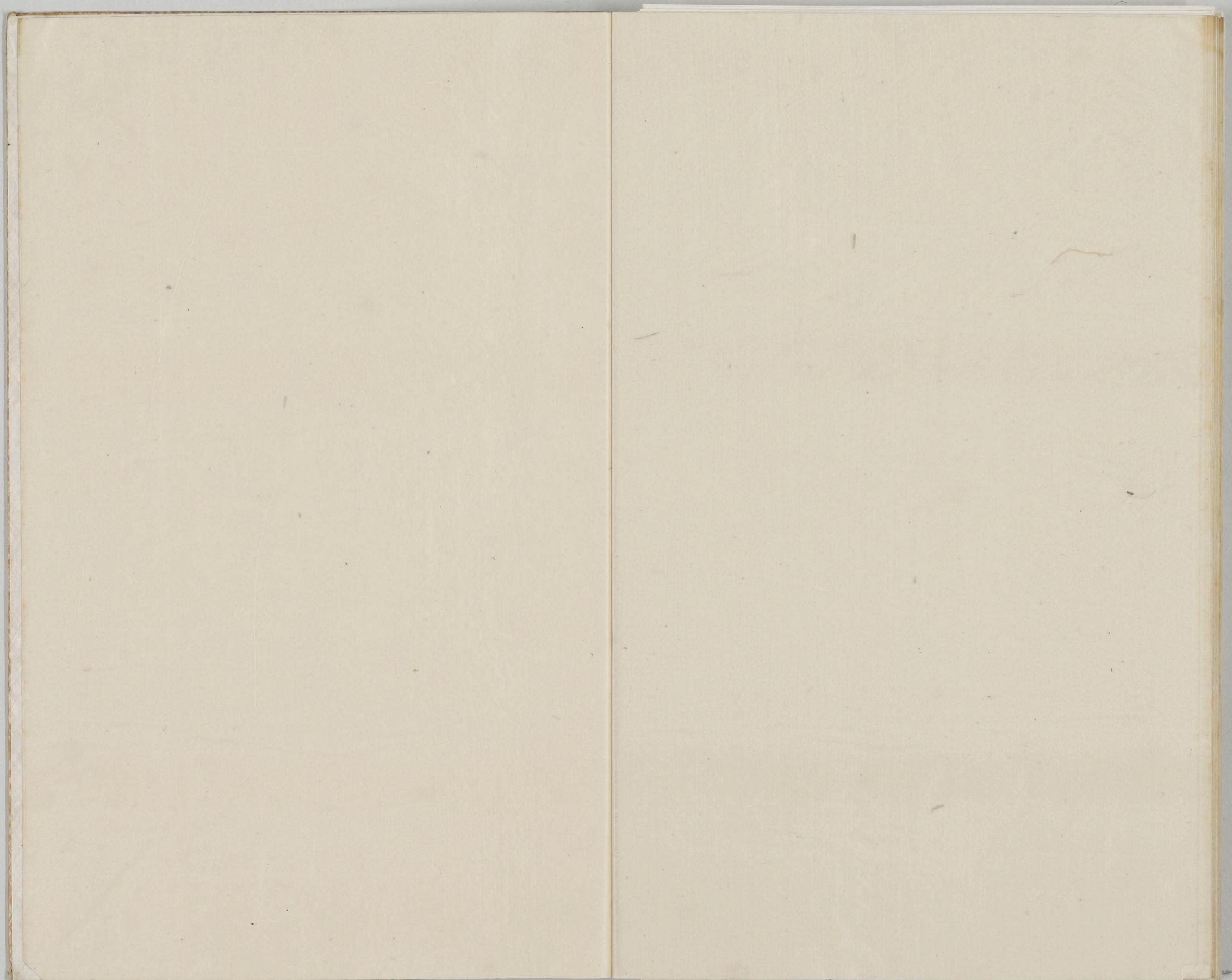


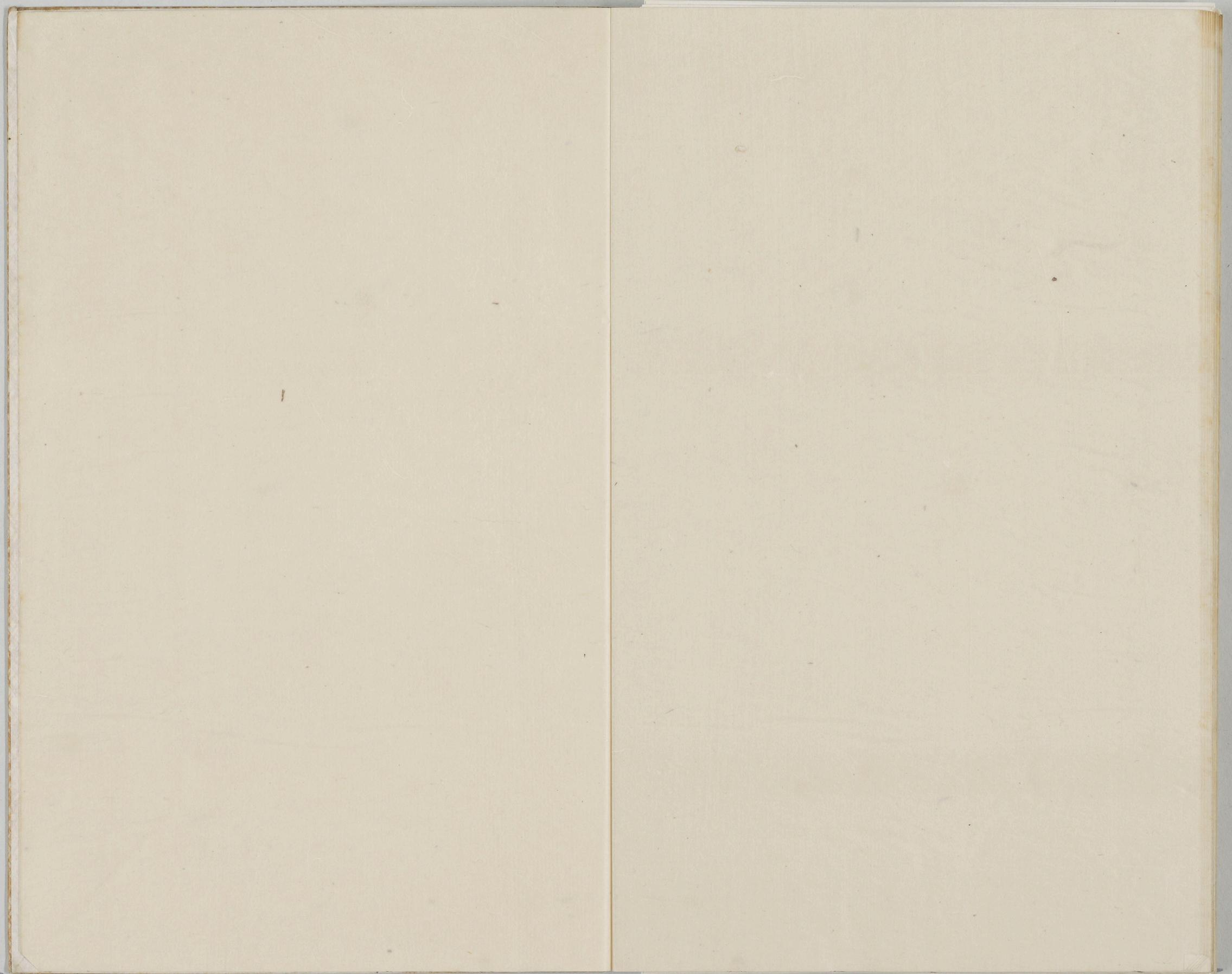


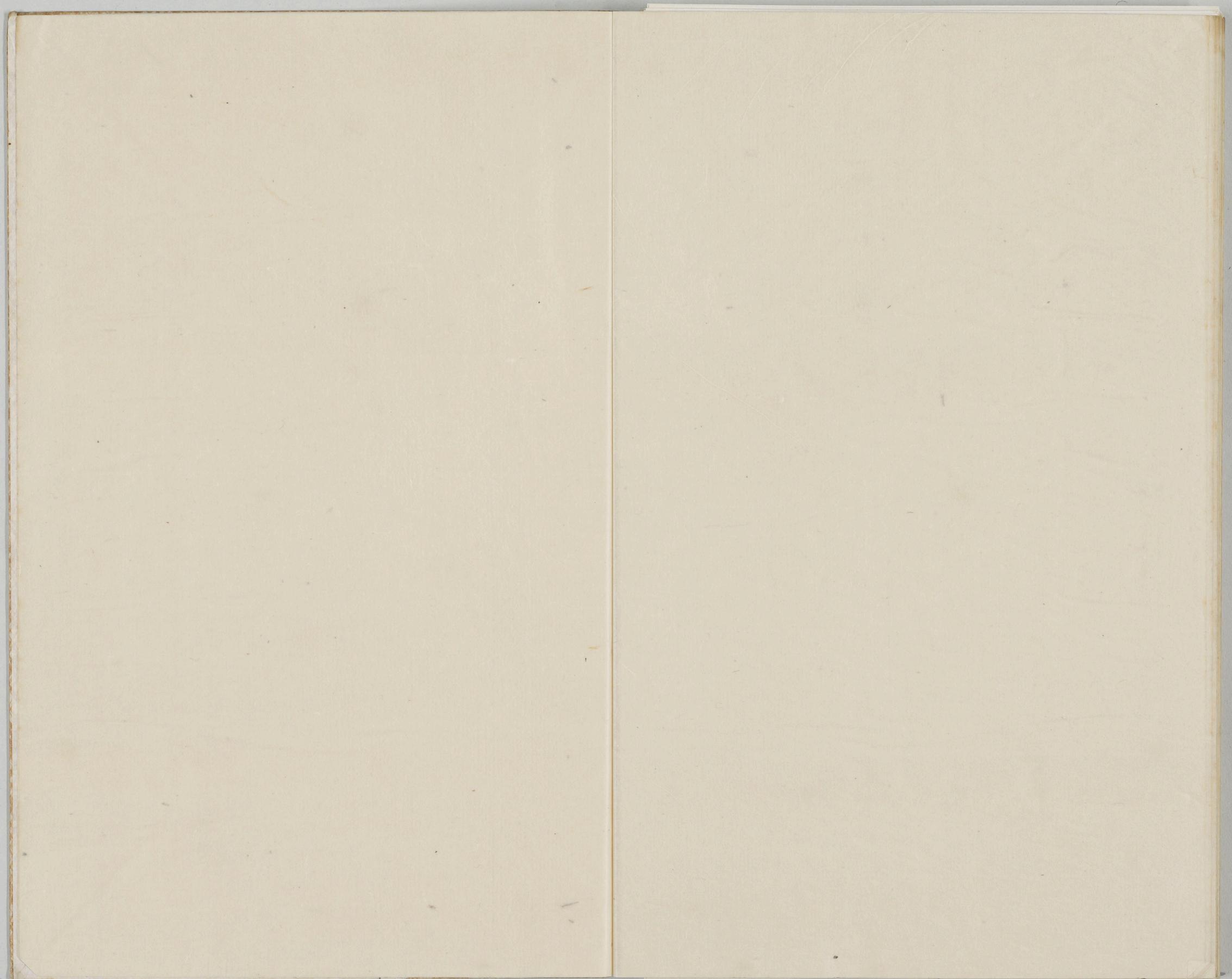


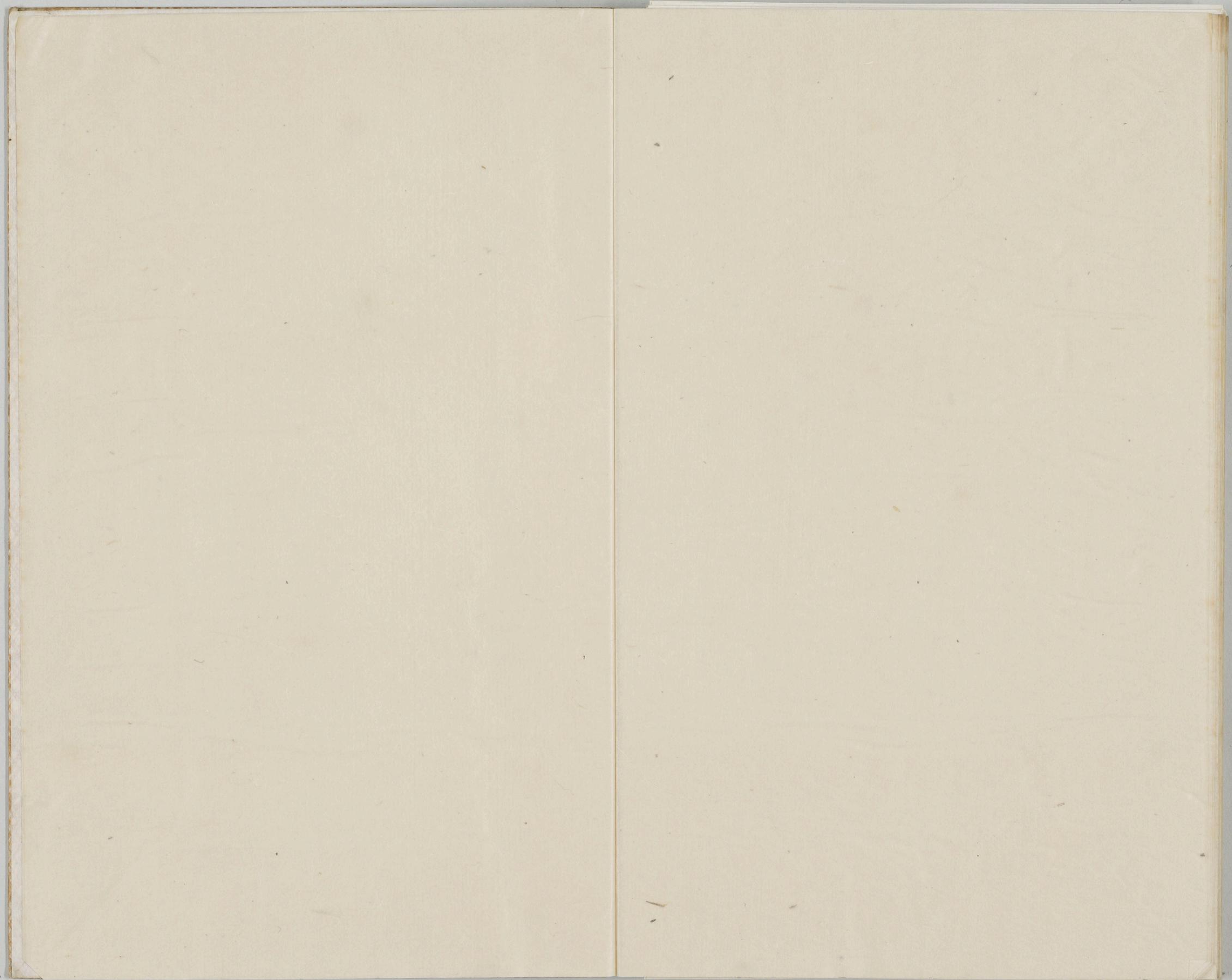


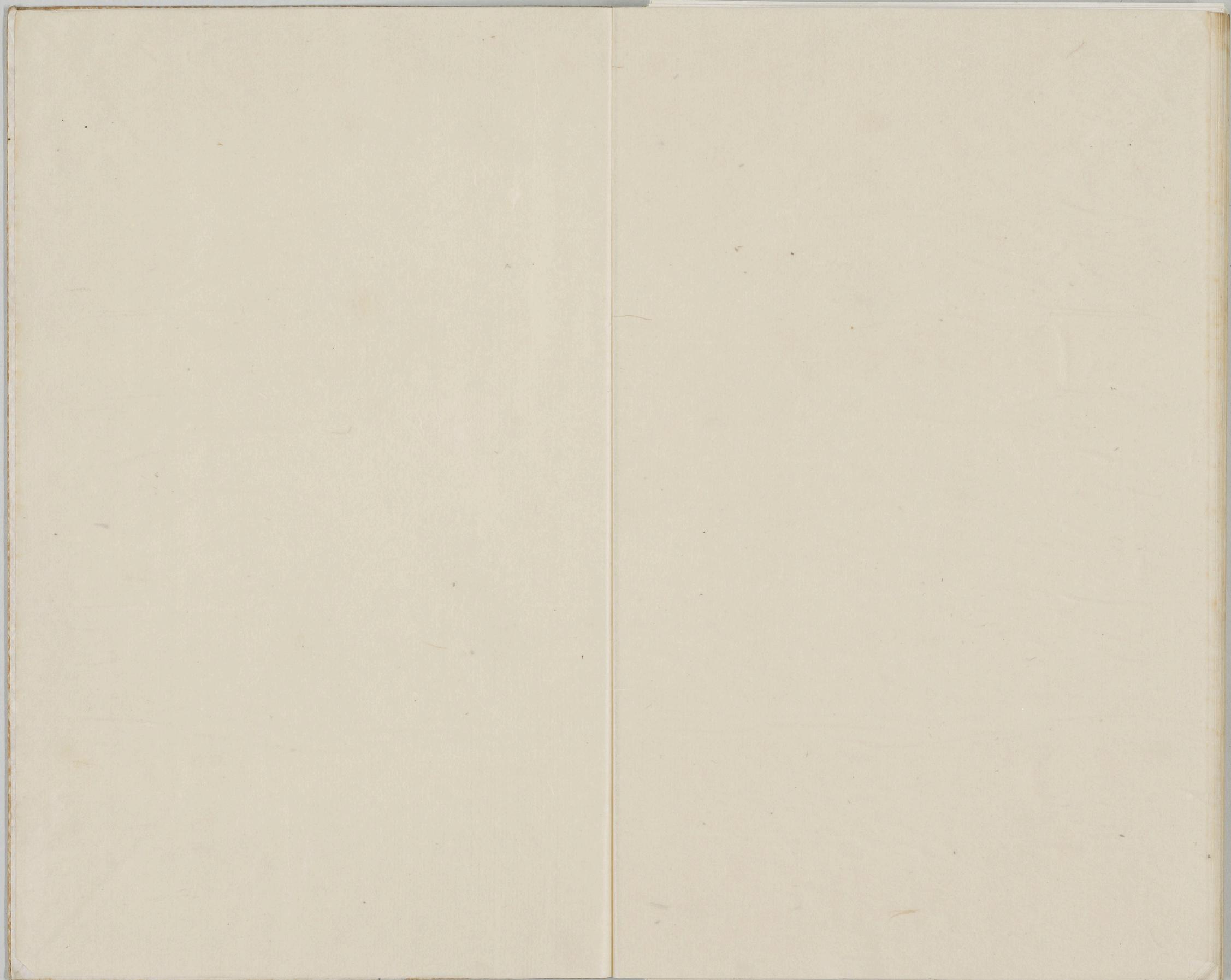


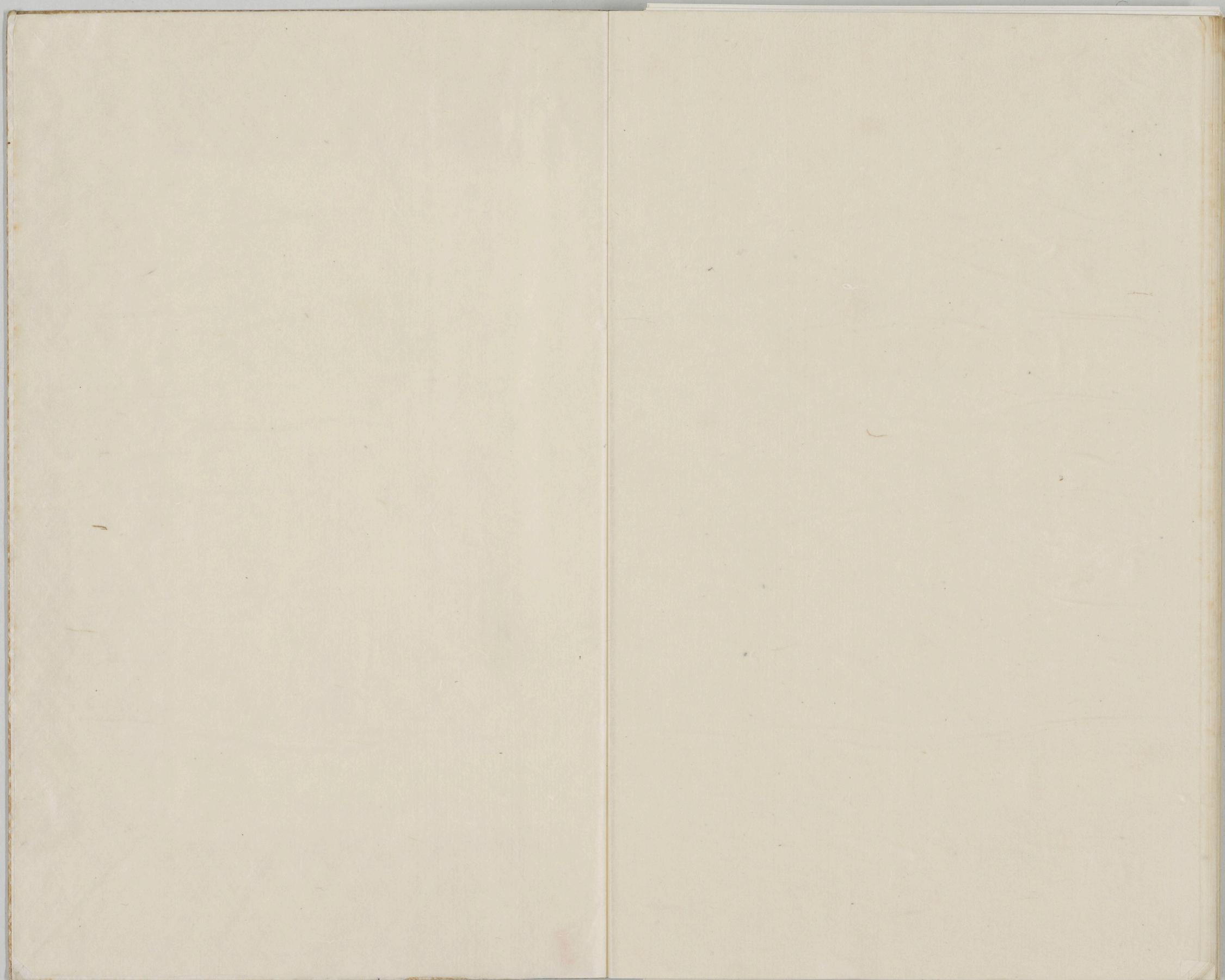


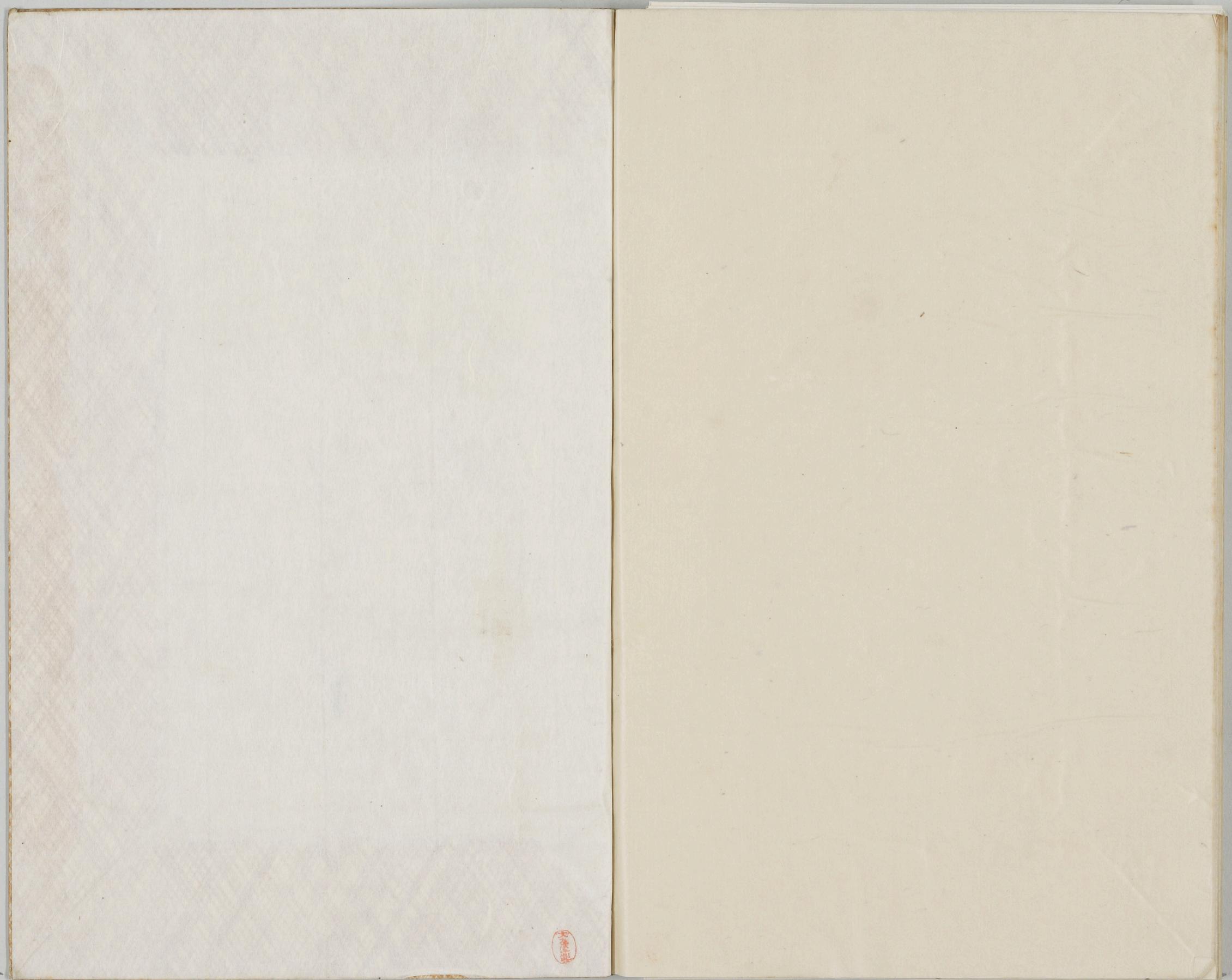












Red circular stamp with illegible characters.

