

*A. Polyt. Schule.*

SLUB Dresden

zell

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00949

002

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m032 MA





*Baumwollen-  
manufacturwesen  
von  
Dr. A. Fre .*





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06 8 00949 002 01 0 1







Fig. 1.



Indischer Weber und sein Stuhl.

Fig. 2.



Die Leinwand der Baumwolle in Indien und China.



Fig. 3.



Lang-Seeland-Baumwolle mit schwarzen Samen.













Fig. 4.



Kurze Baumwollzweige mit grünem Samen.

Fig. 5.



*Gossypium Barbadense*.

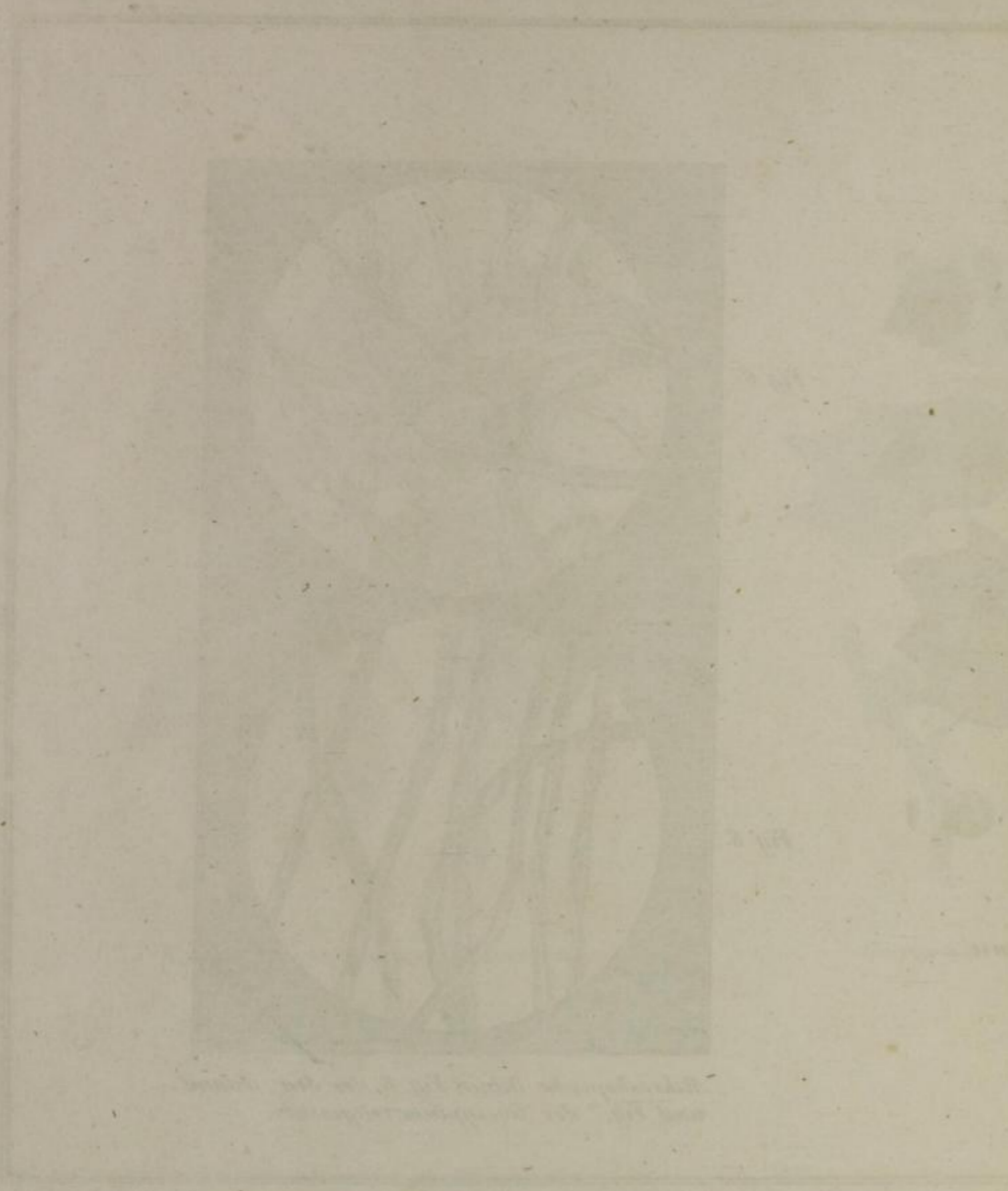
Fig. 6.



Fig. 7.

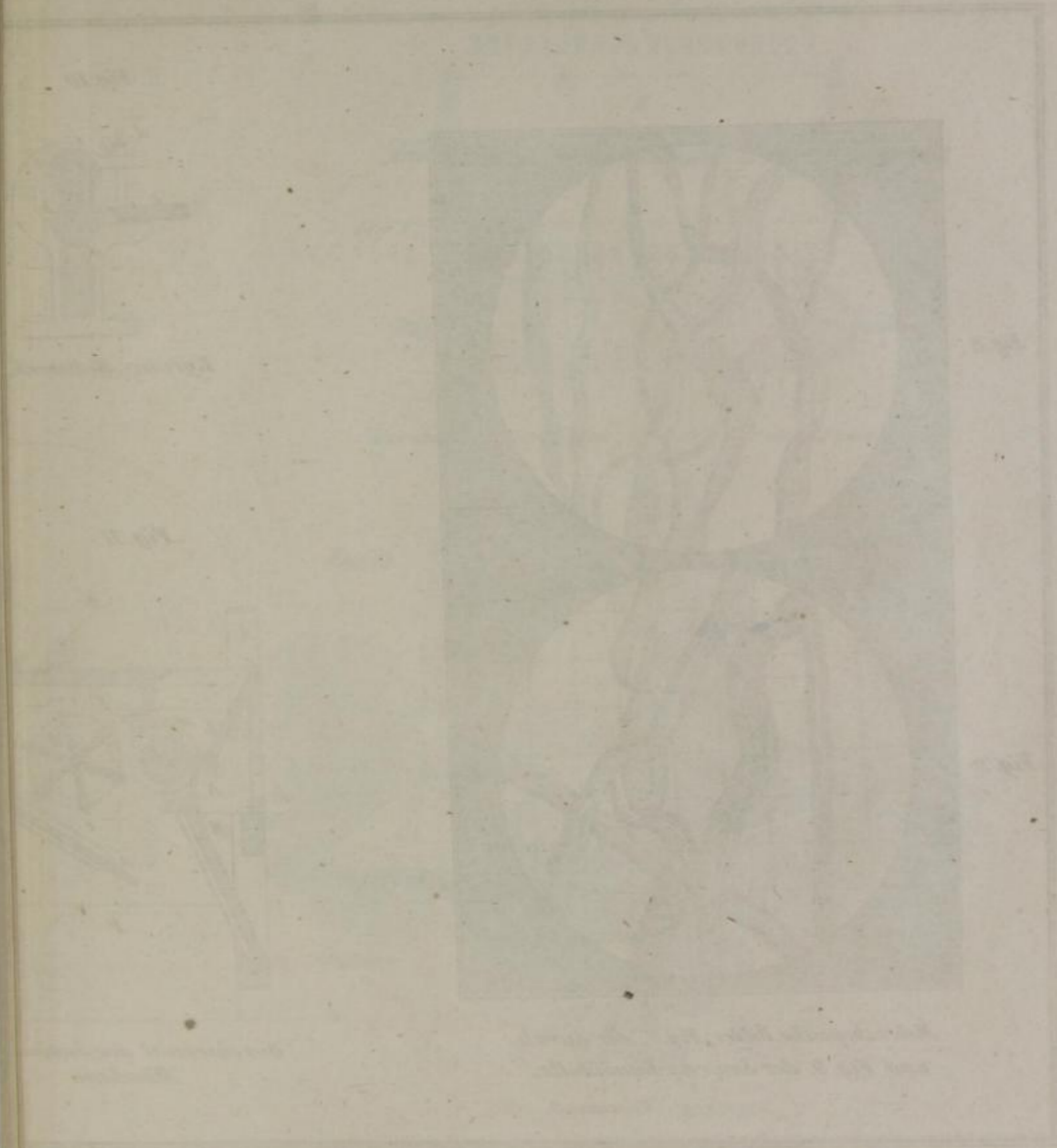
Mikroskopische Bilder, Fig. 6, der *Sea-Island*,  
und Fig. 7, der *Gossypium religiosum*.





*[Faint, illegible text, possibly a title or description of the drawing.]*





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Fig. 8.

Fig. 9.

Mikroskopische Bilder, Fig. 8, der Surak-  
und Fig. 9, der Smyrna-Baumwolle.

Fig. 10.



Egrinar-Walzwertdurchschnitt.

Fig. 11.

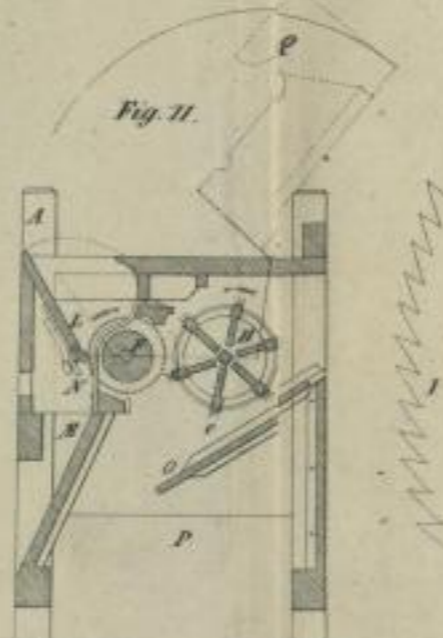
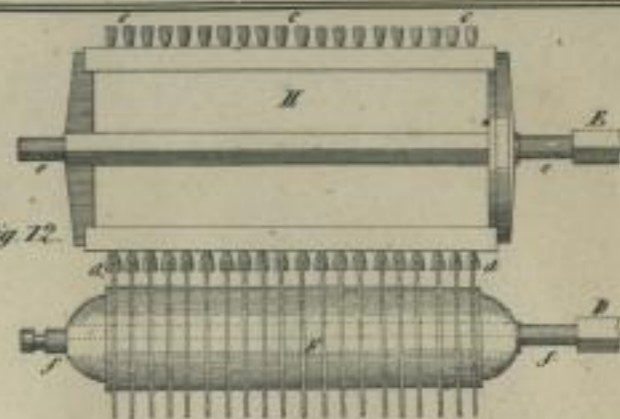
Durchschnitt der Sägegrün-  
Maschine.

Fig. 12.



Durchschnitt der Sägen- und der Bürsten-Walze n. Fig. 11.

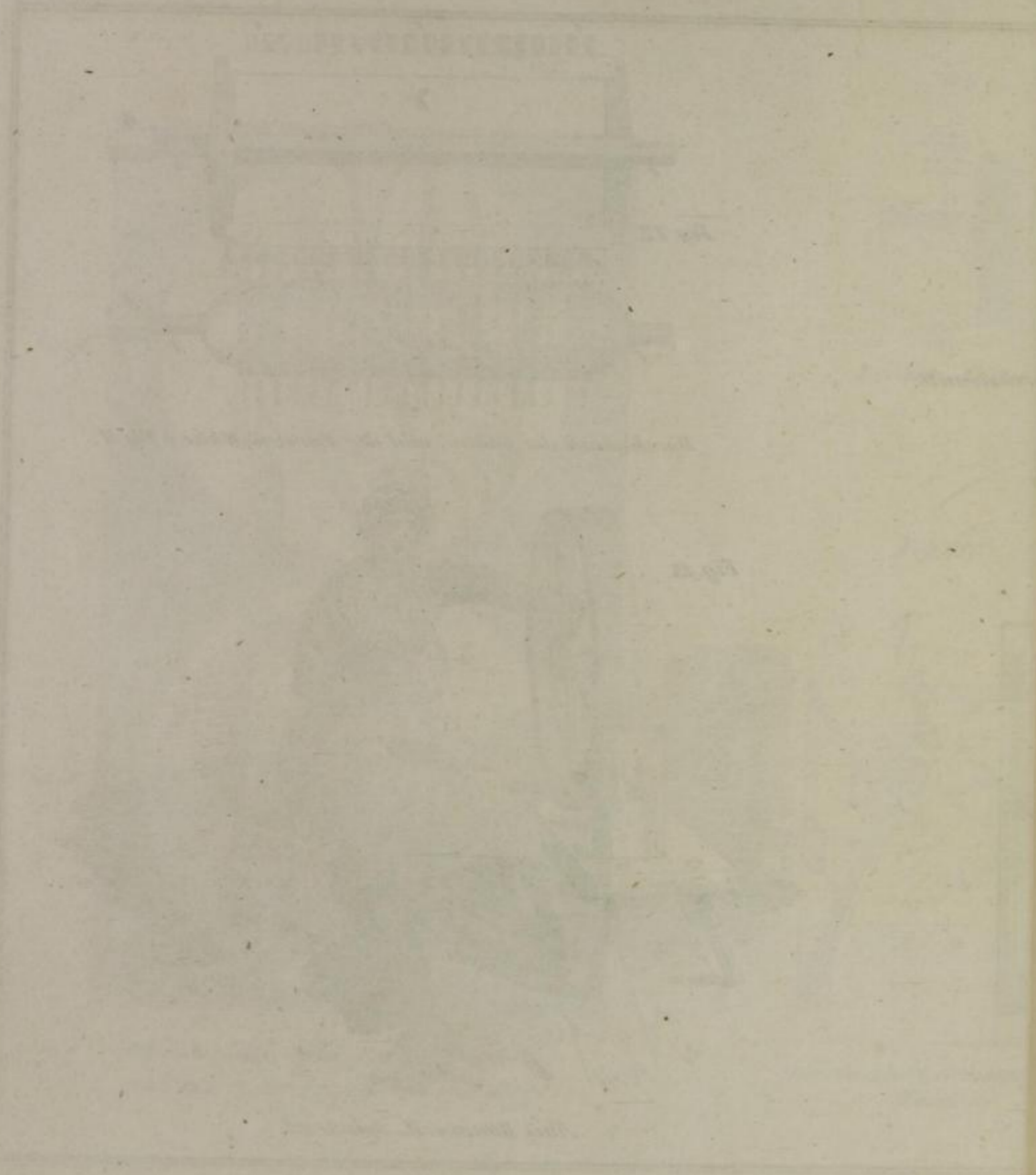
Fig. 13.



Altes Baumwoll-Spinnrad.



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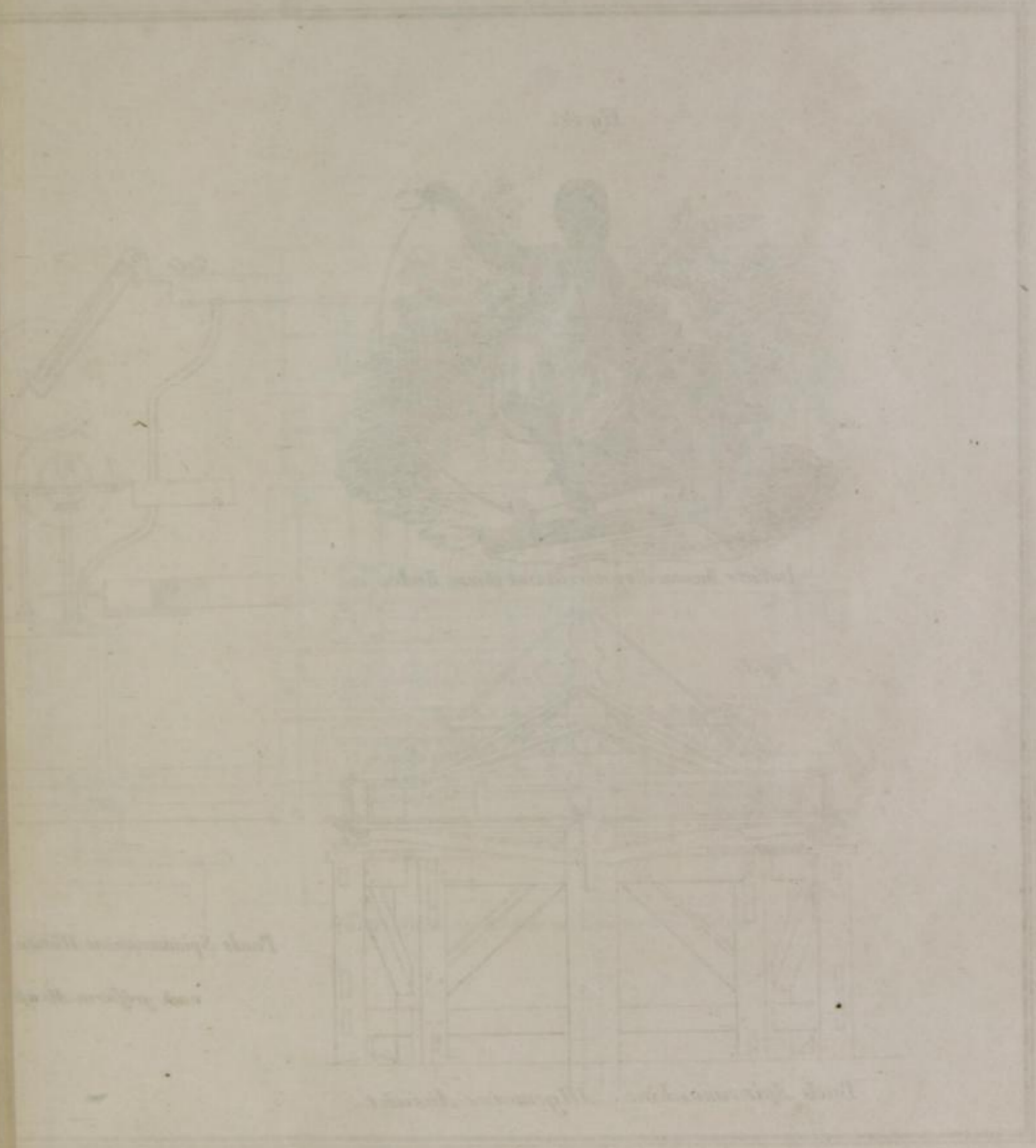


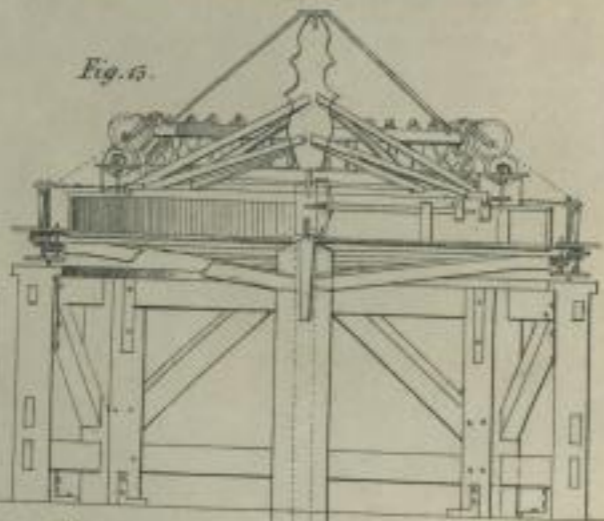


Fig. 14.



Indische Baumwollspinnerei mit ihrem Rade.

Fig. 15.



Pauls Spinnmaschine. Allgemeine Ansicht.

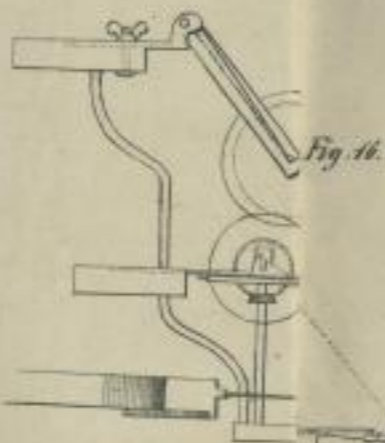
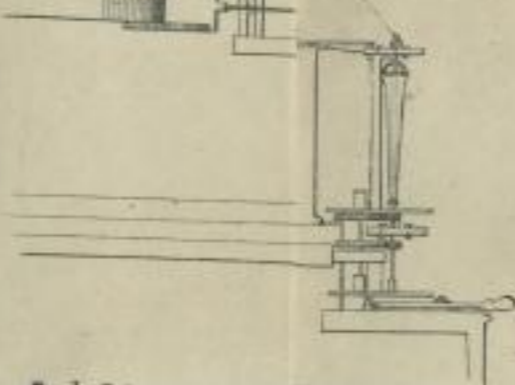


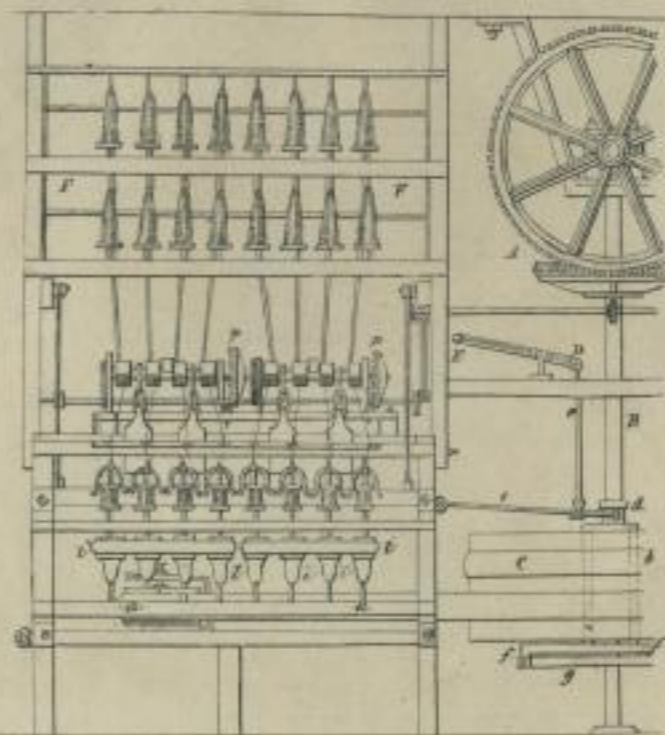
Fig. 16.



Pauls Spinnmaschine Wälwindel u. Spule.

nach größerem Maas.

Fig. 18.



Water-Spinnmaschine zu Greenford u. Belper.



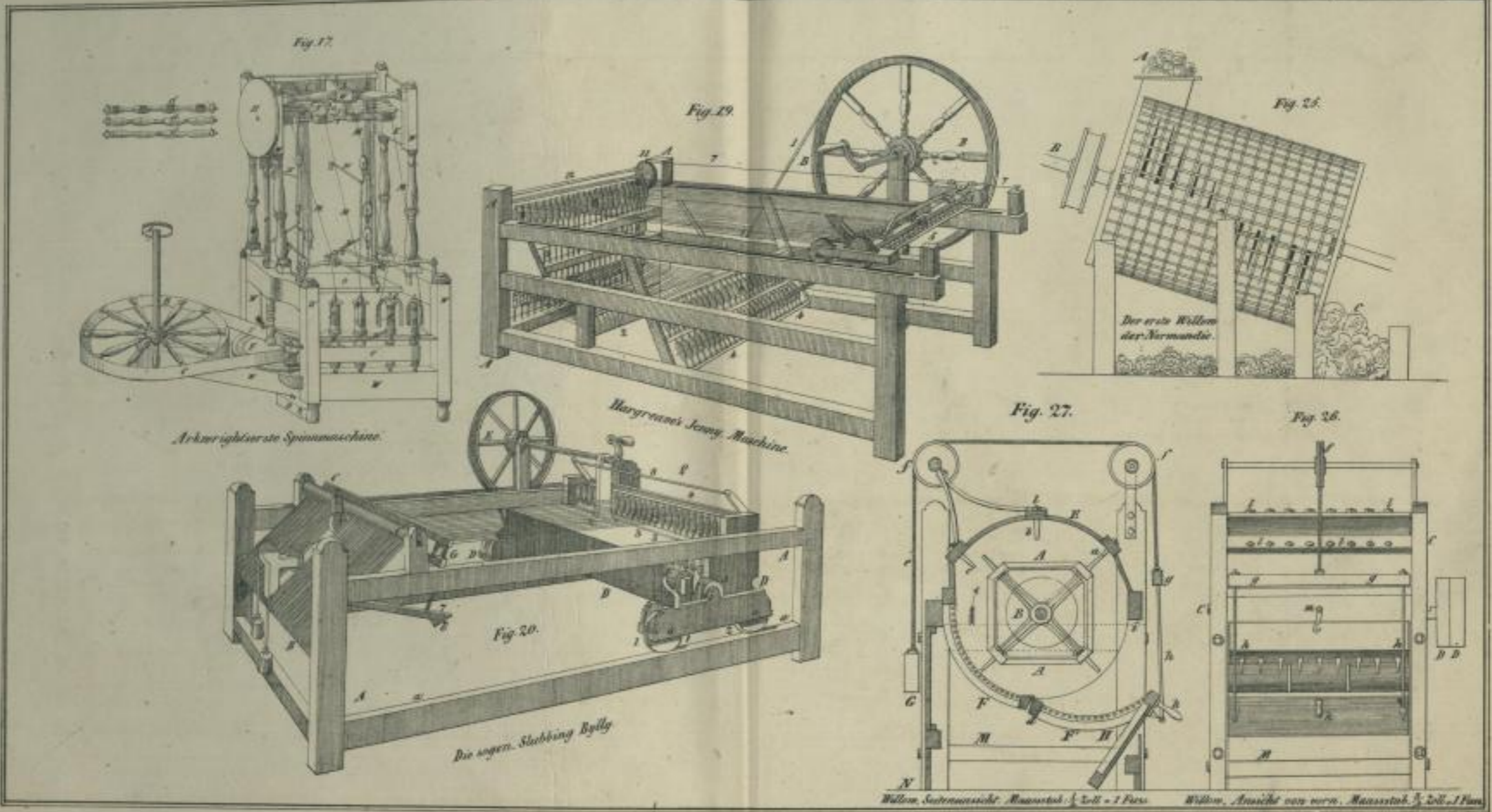
117

A very faint pencil drawing of a table with a grid structure. On the left side, there is a circular diagram or diagrammatic representation. The table has several columns and rows, with some text or numbers faintly visible within the cells. The drawing is light and appears to be a preliminary sketch or a very light reproduction.



















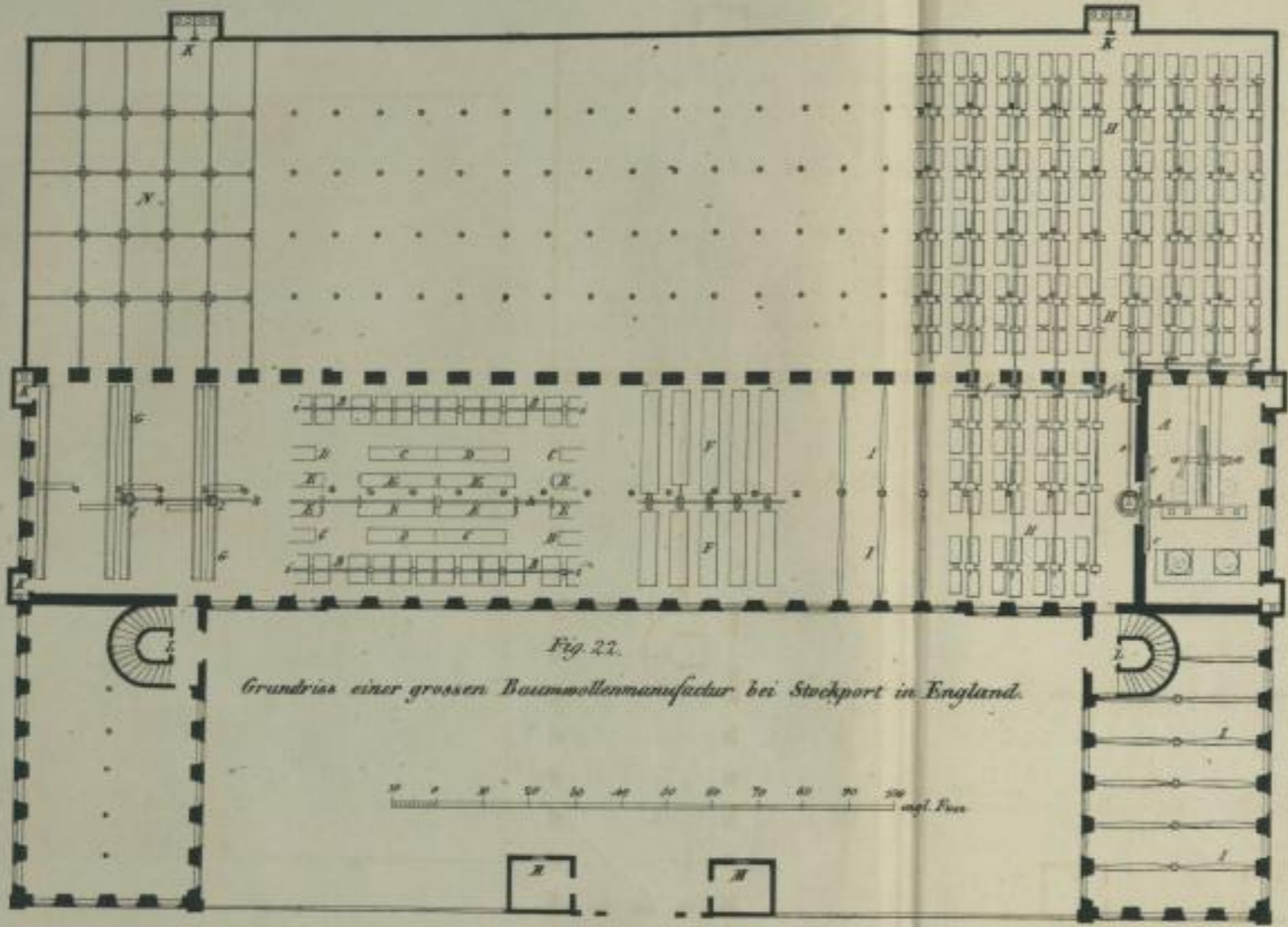


Fig. 22.  
Grundriß einer grossen Baumwollenmanufaktur bei Stockport in England.

0 10 20 30 40 50 60 70 80 90 100 Engl. Fuss



Fig. 21.

Perspectivische Ansicht einer grossen Baumwollenmanufaktur bei Stockport.



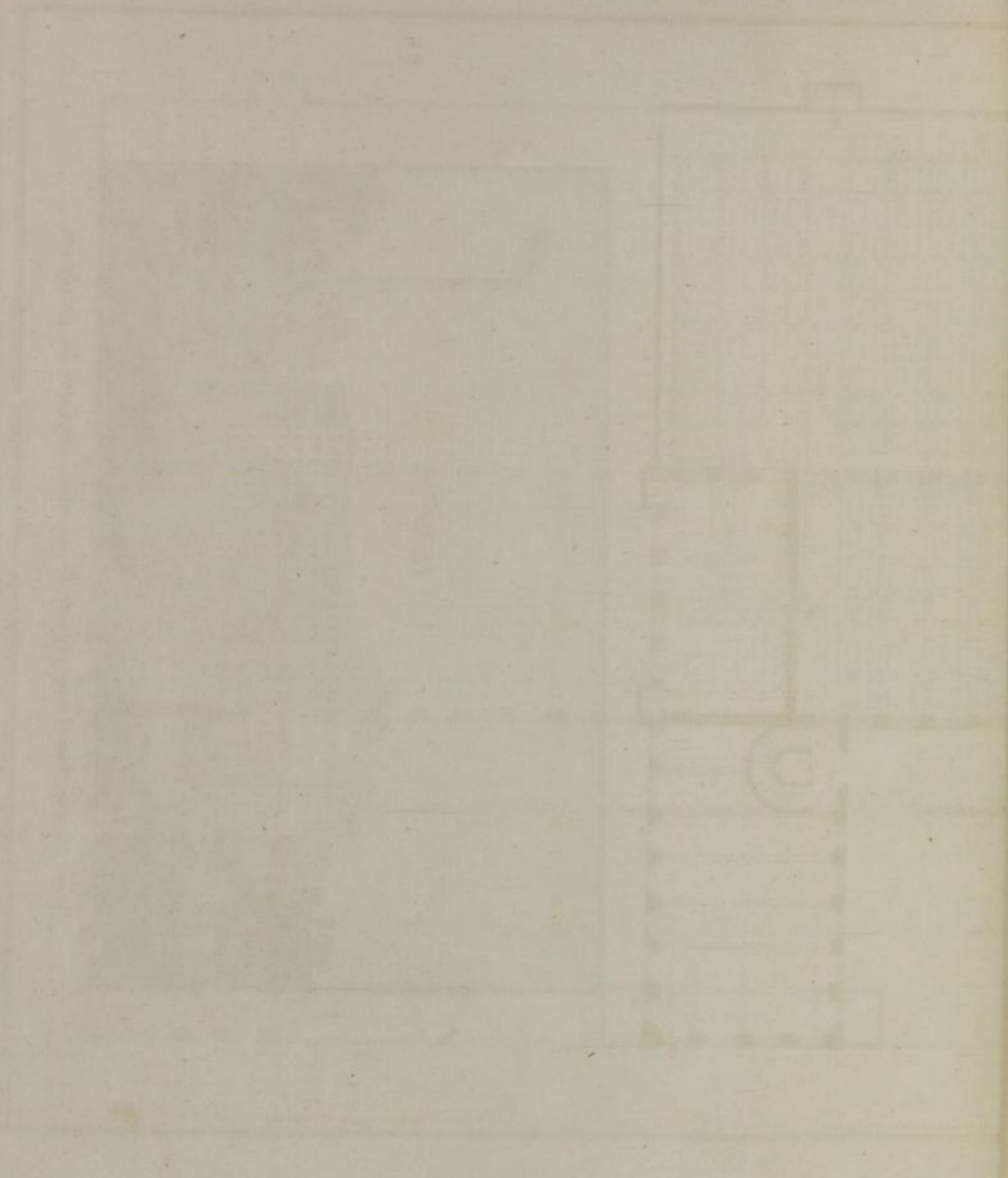






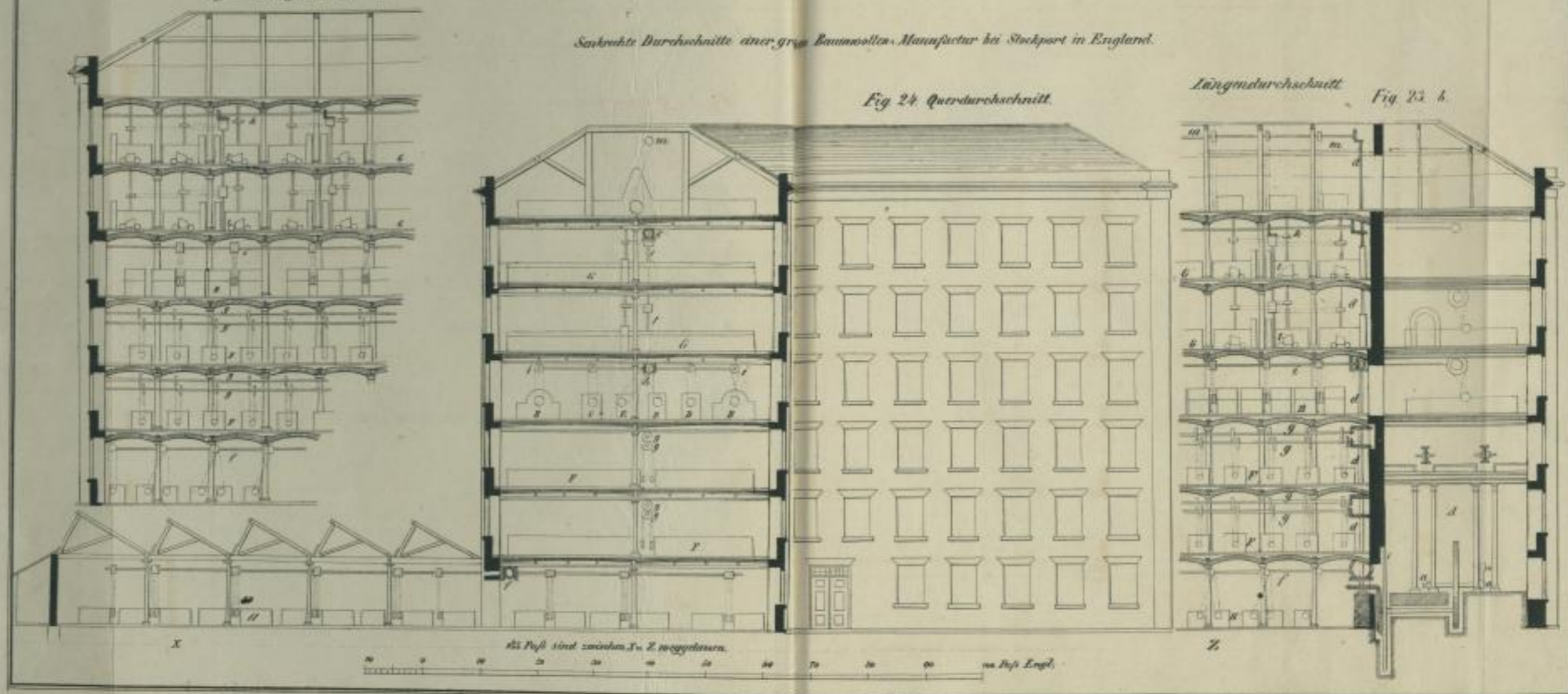


Fig 23 a Längendurchschnitt

Sachrechte Durchschnitte einer gross Baumwollens-Manufactur bei Stockport in England.

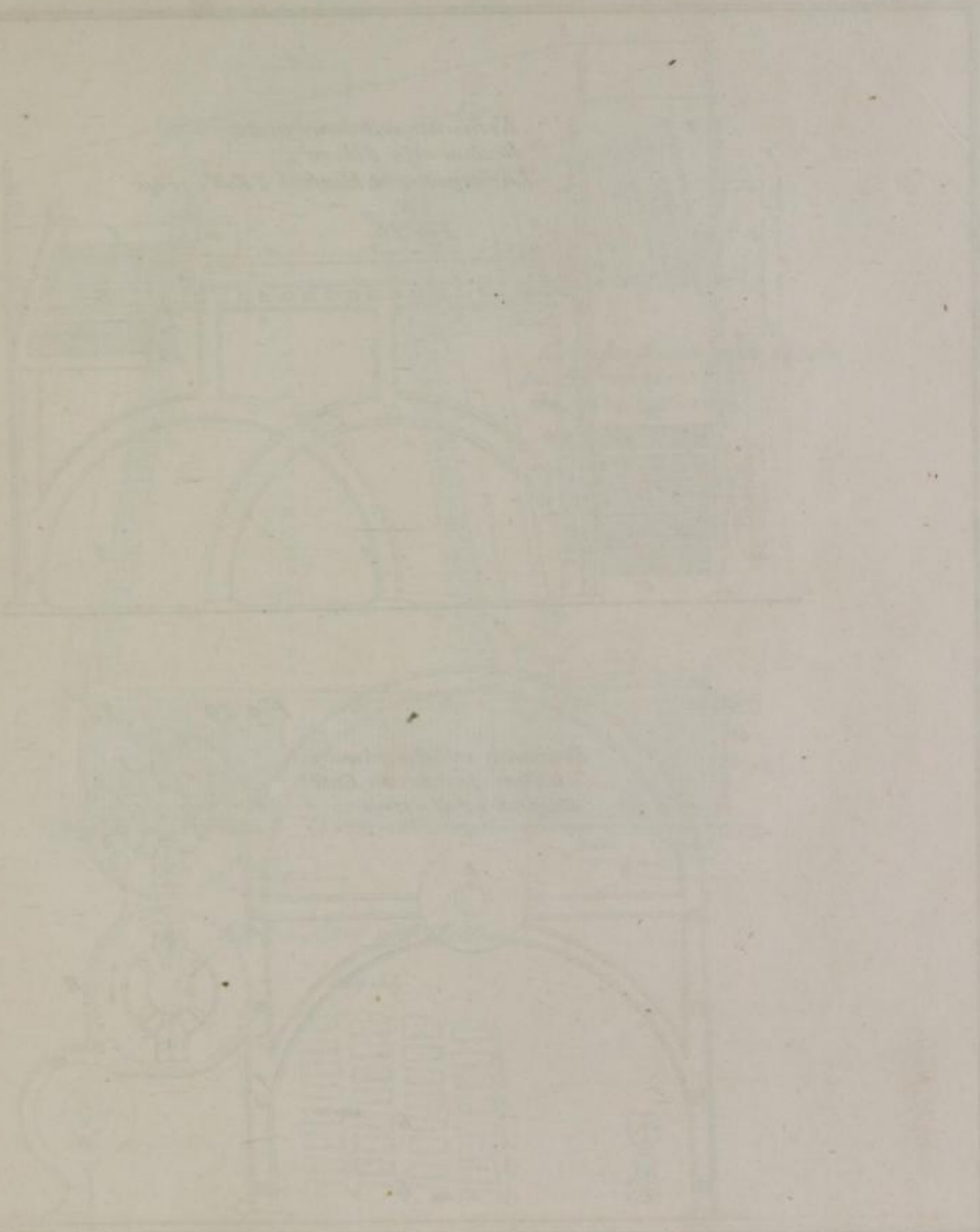
Fig 24 Querdurchschnitt

Längendurchschnitt Fig 23 b

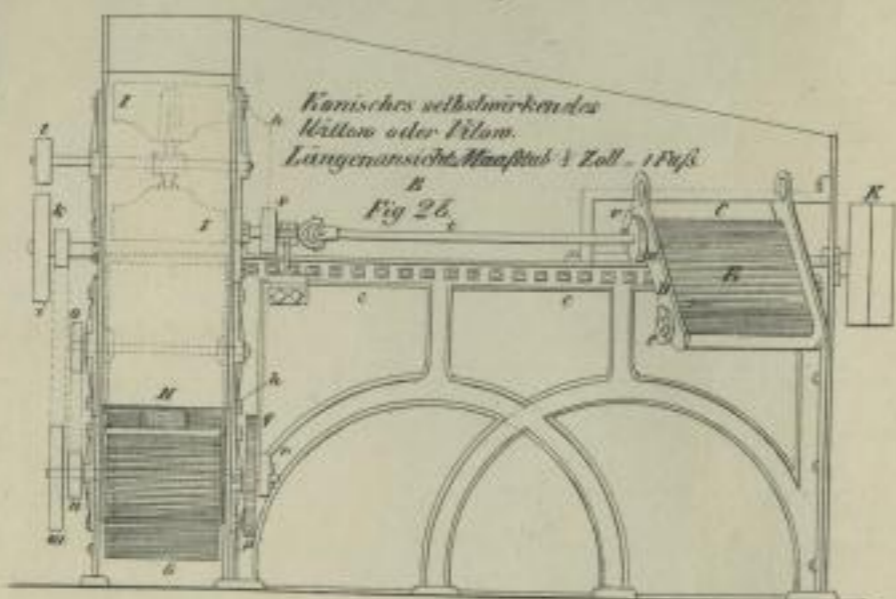






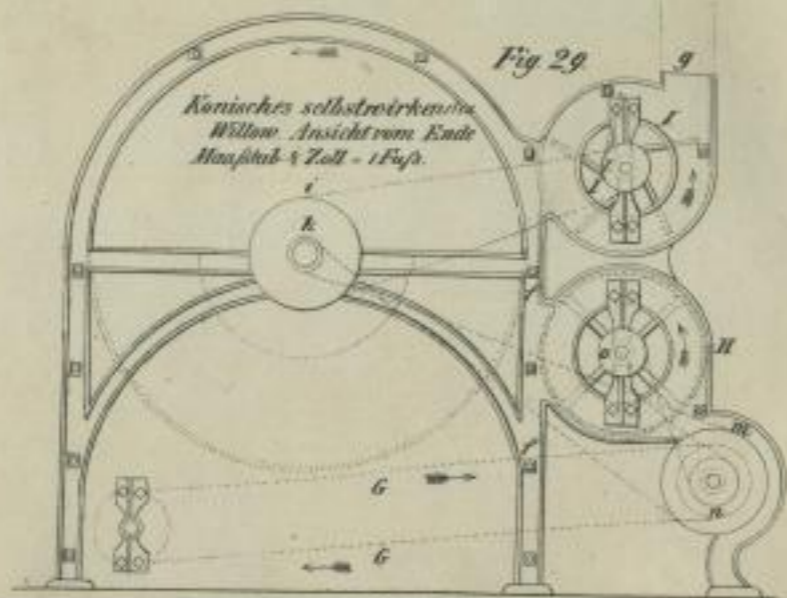






Konisches selbstwirkendes Willow oder Felon.  
Langensicht. Hauptstab 4 Zoll - 1 Fuß

Fig 26



Konisches selbstwirkendes Willow Ansicht vom Ende  
Hauptstab 4 Zoll - 1 Fuß

Fig 29

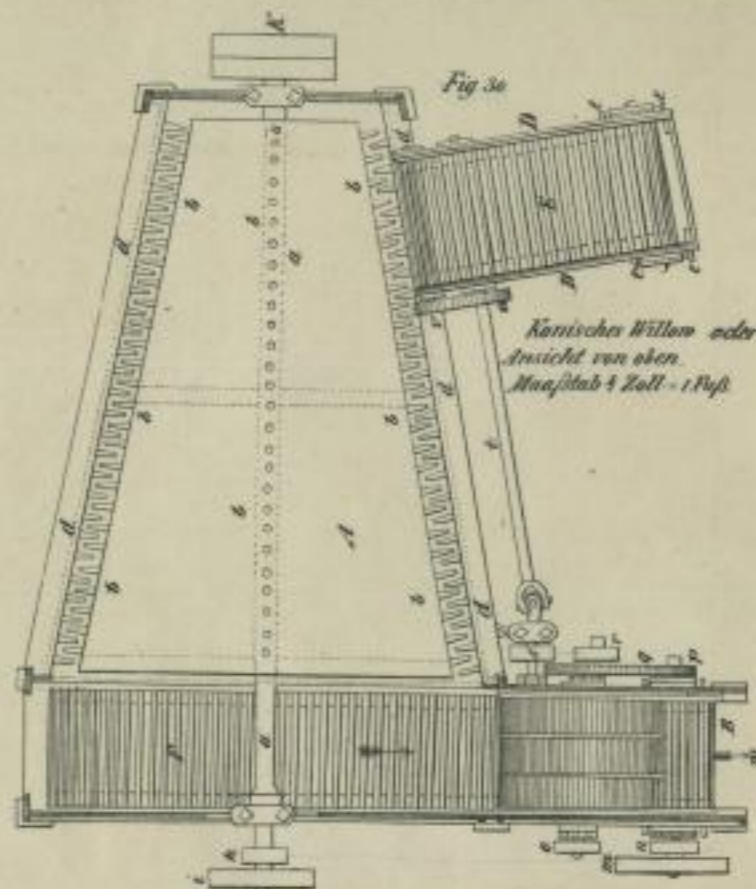
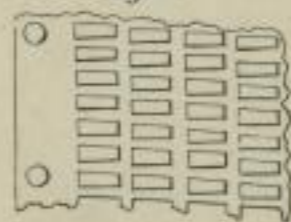


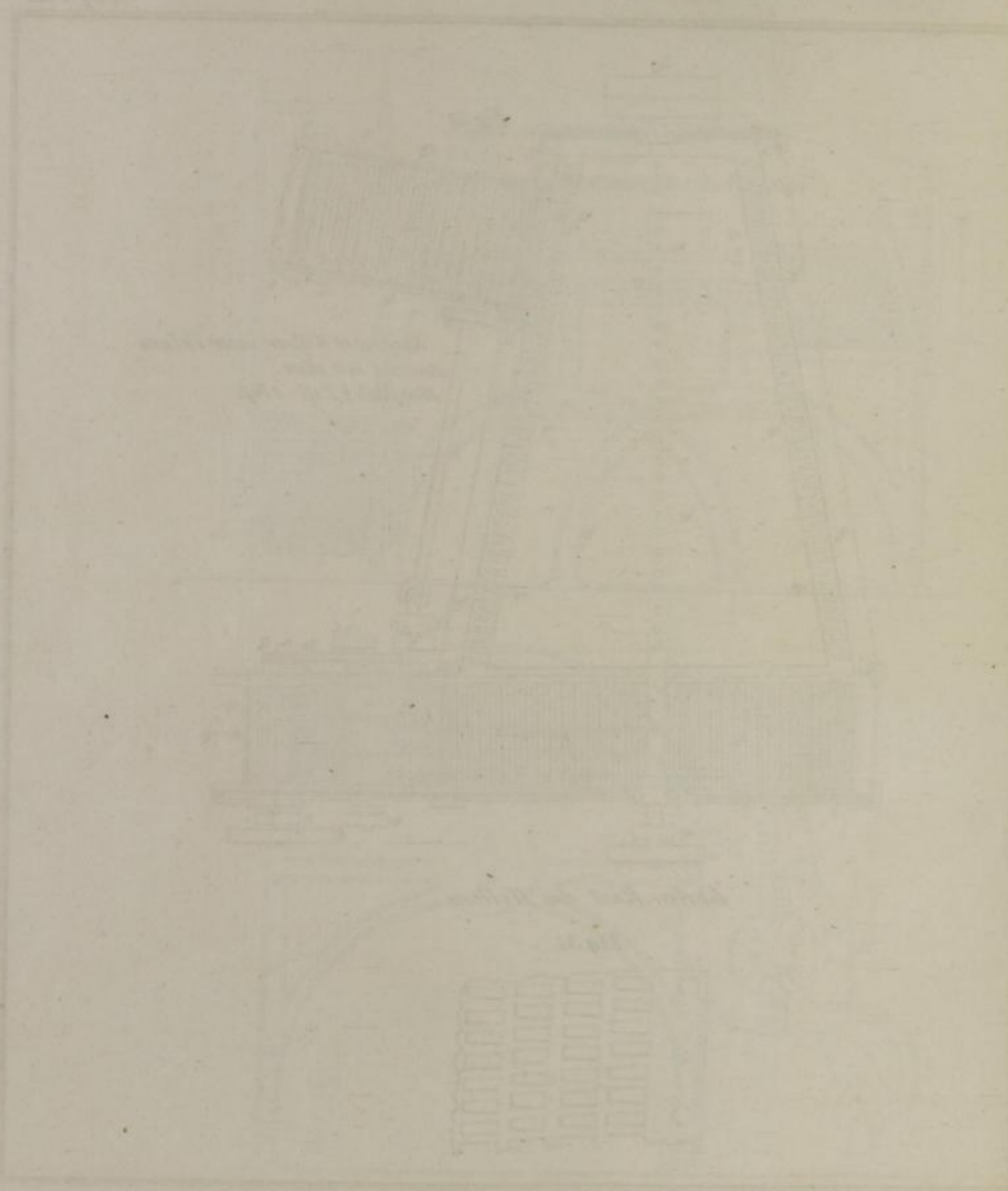
Fig 30

Konisches Willow oder Felon.  
Ansicht von oben.  
Hauptstab 4 Zoll - 1 Fuß

Boden-Rost des Willow

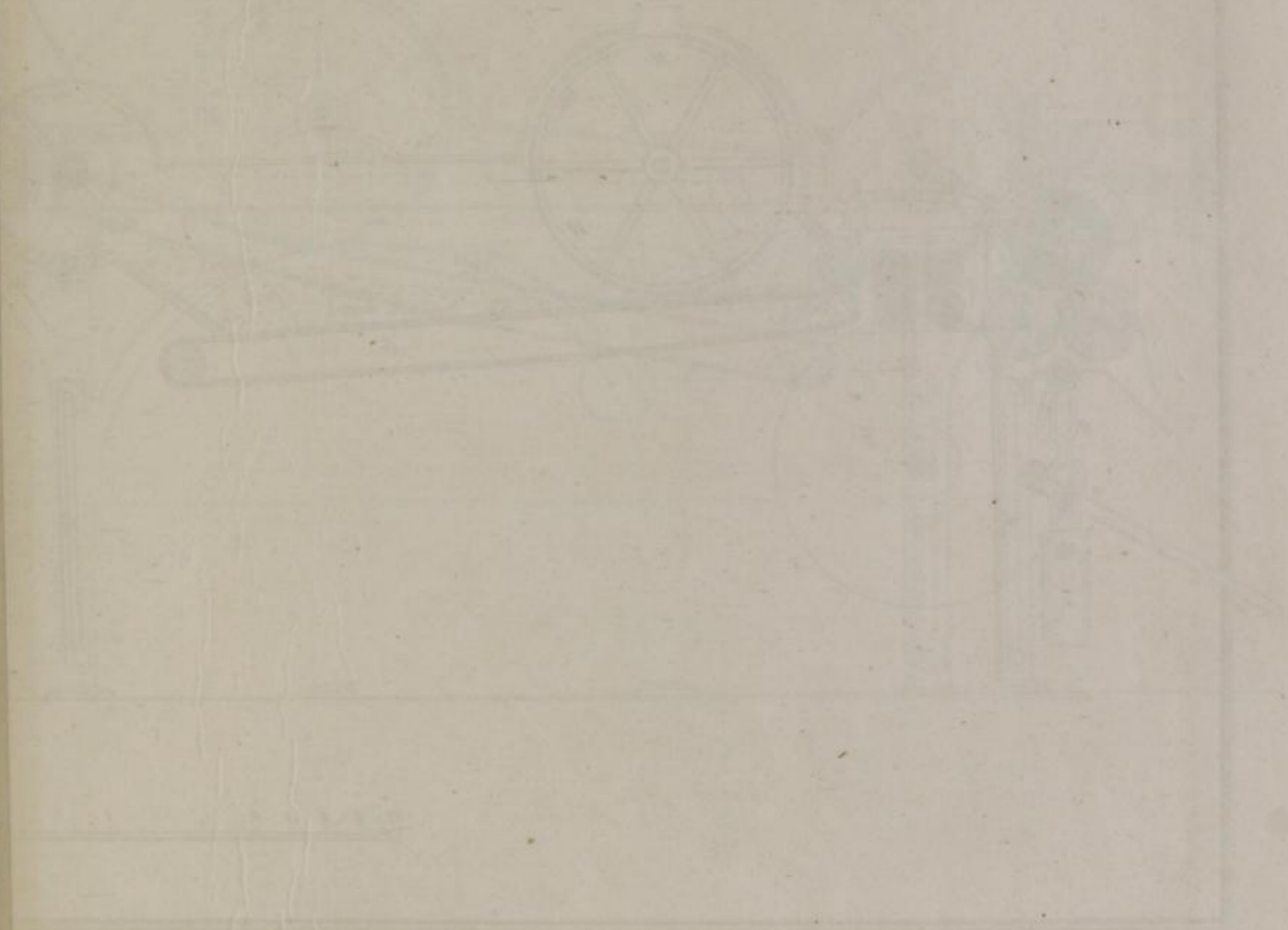
Fig 31



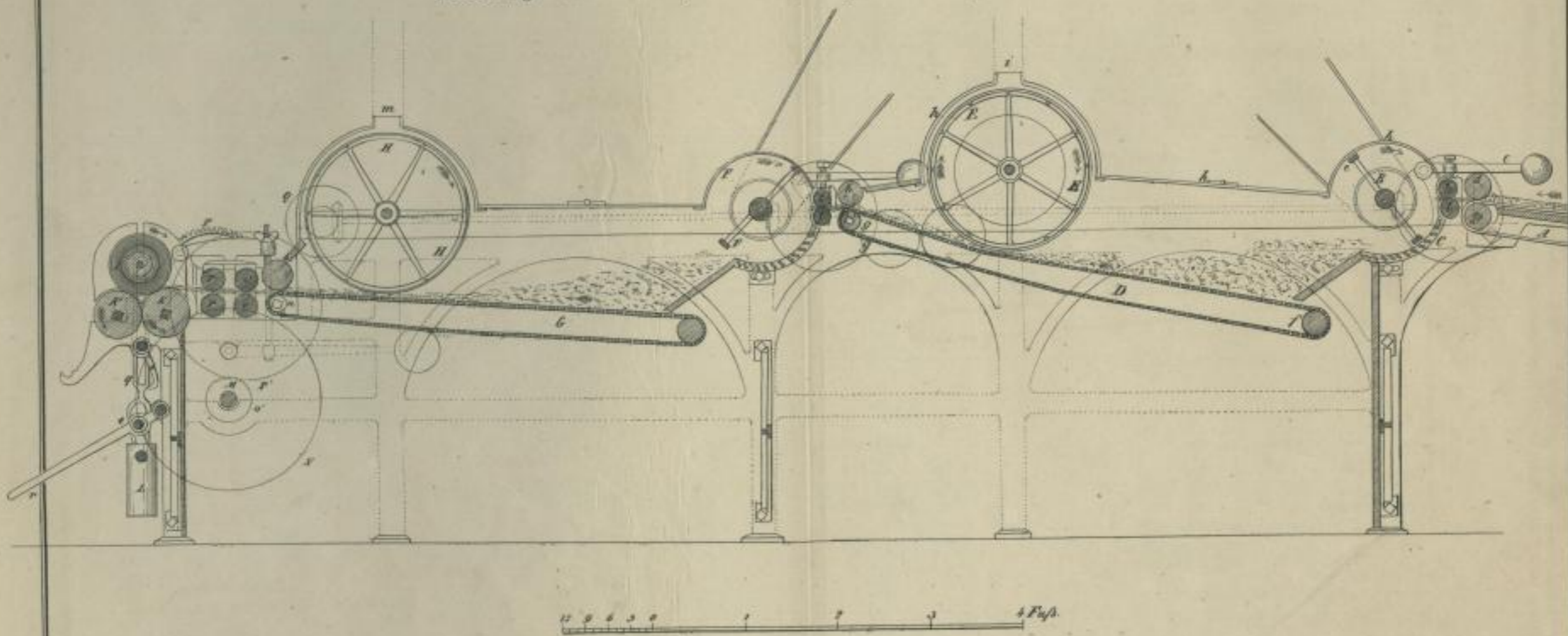




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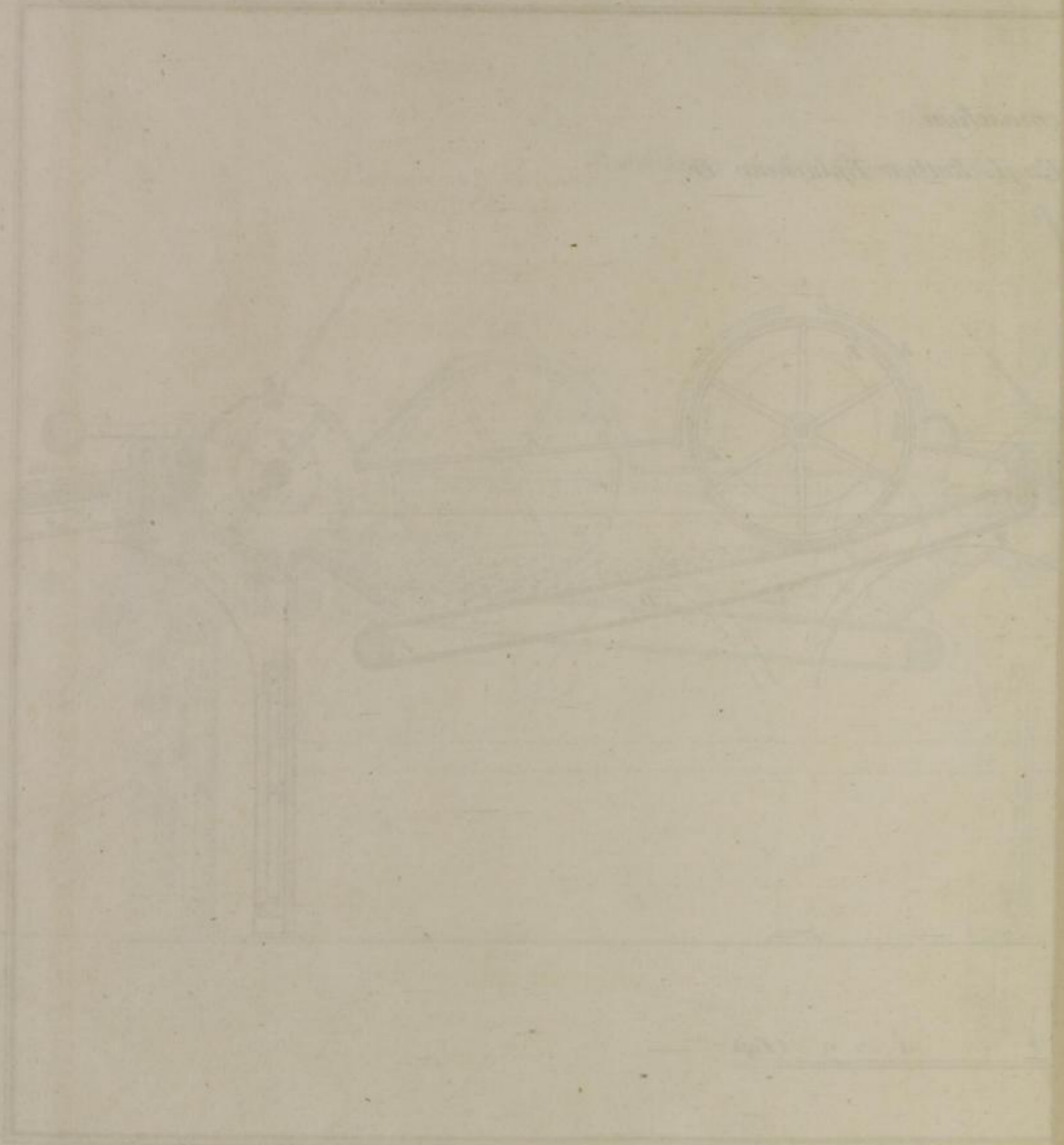


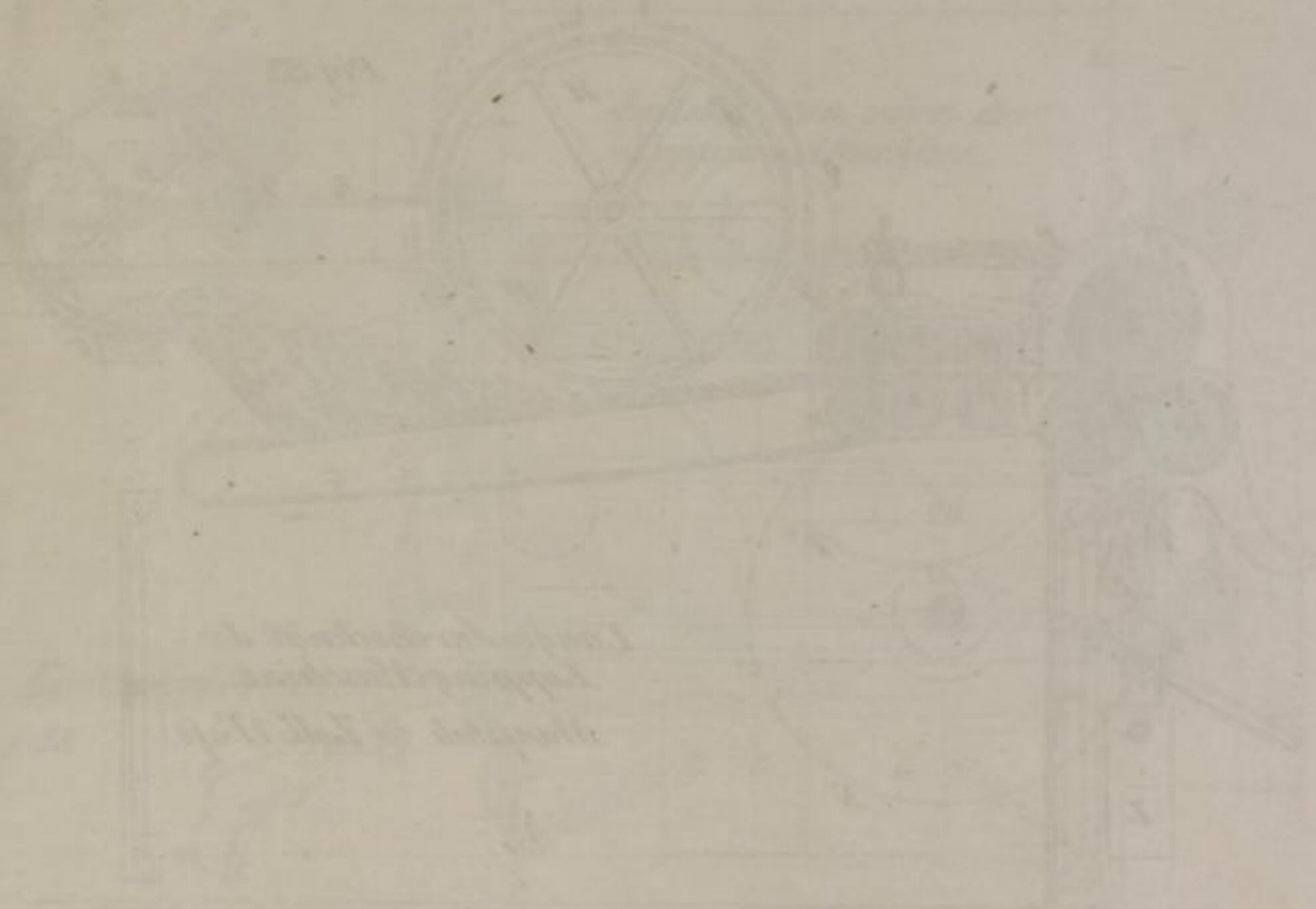
*Schlag-oder Putzmaschine*  
*Scutching oder Blowing Maschine, Engl. Buttew Eplucheur. Fr.*



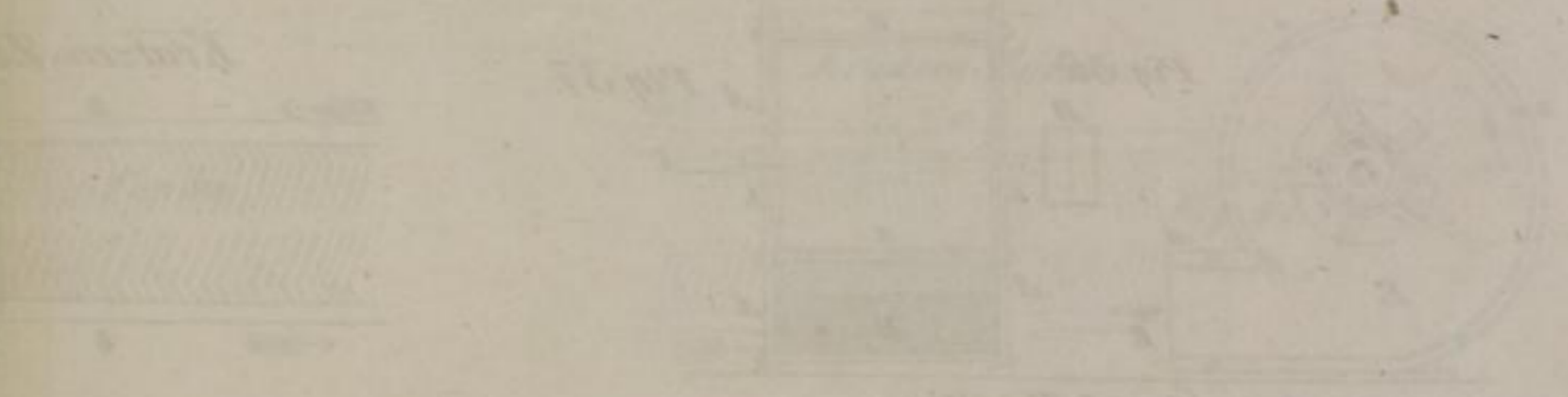


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*Faint, illegible handwritten text, possibly a title or description of the drawing above.*



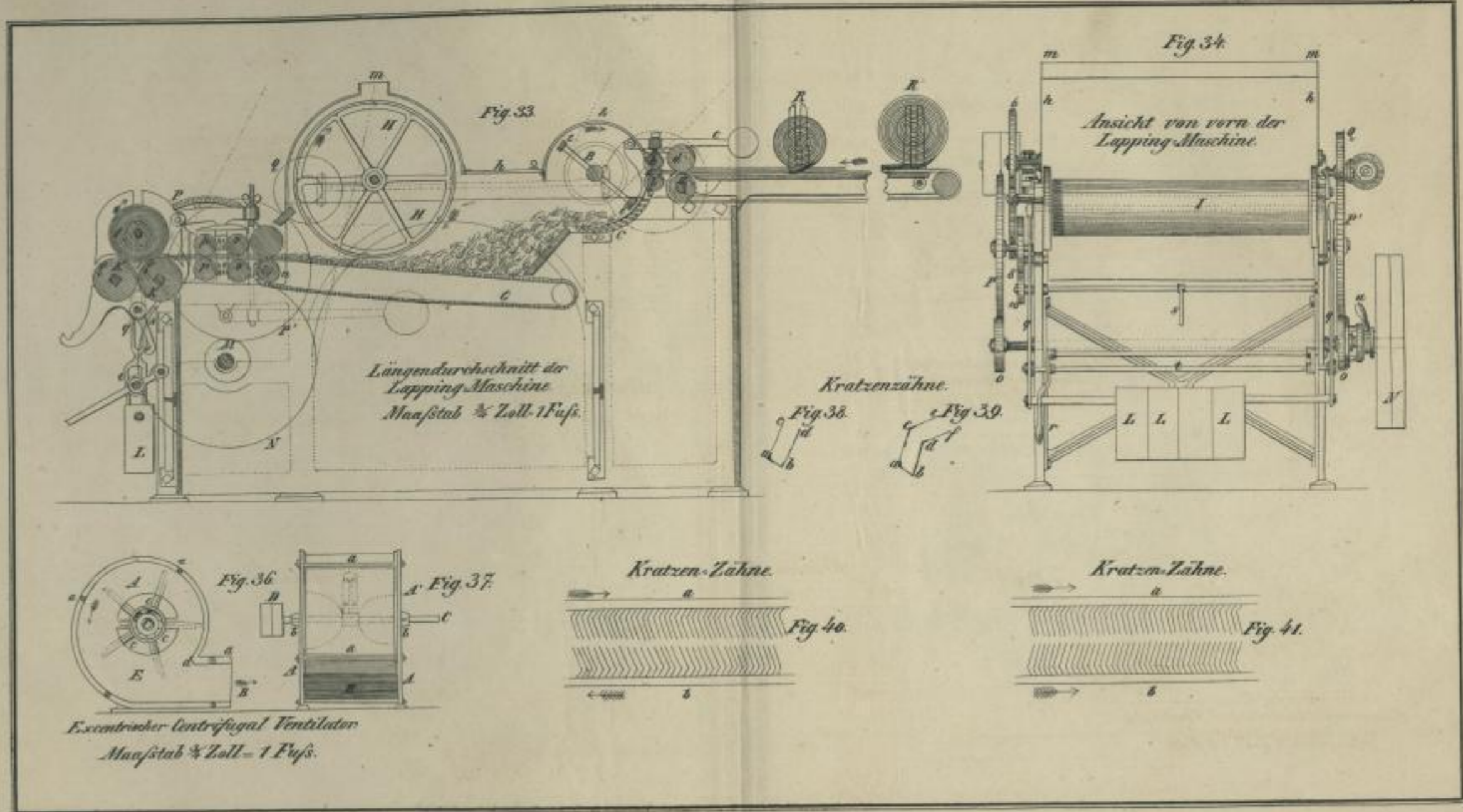


Fig. 33

Längendurchschnitt der  
Lapping-Maschine  
Maasstab  $\frac{1}{4}$  Zoll-1 Fuß.

Fig. 34

Ansicht von vorn der  
Lapping-Maschine.

Kratzenzähne.

Fig. 38

Fig. 39

Kratzen-Zähne.

Fig. 40

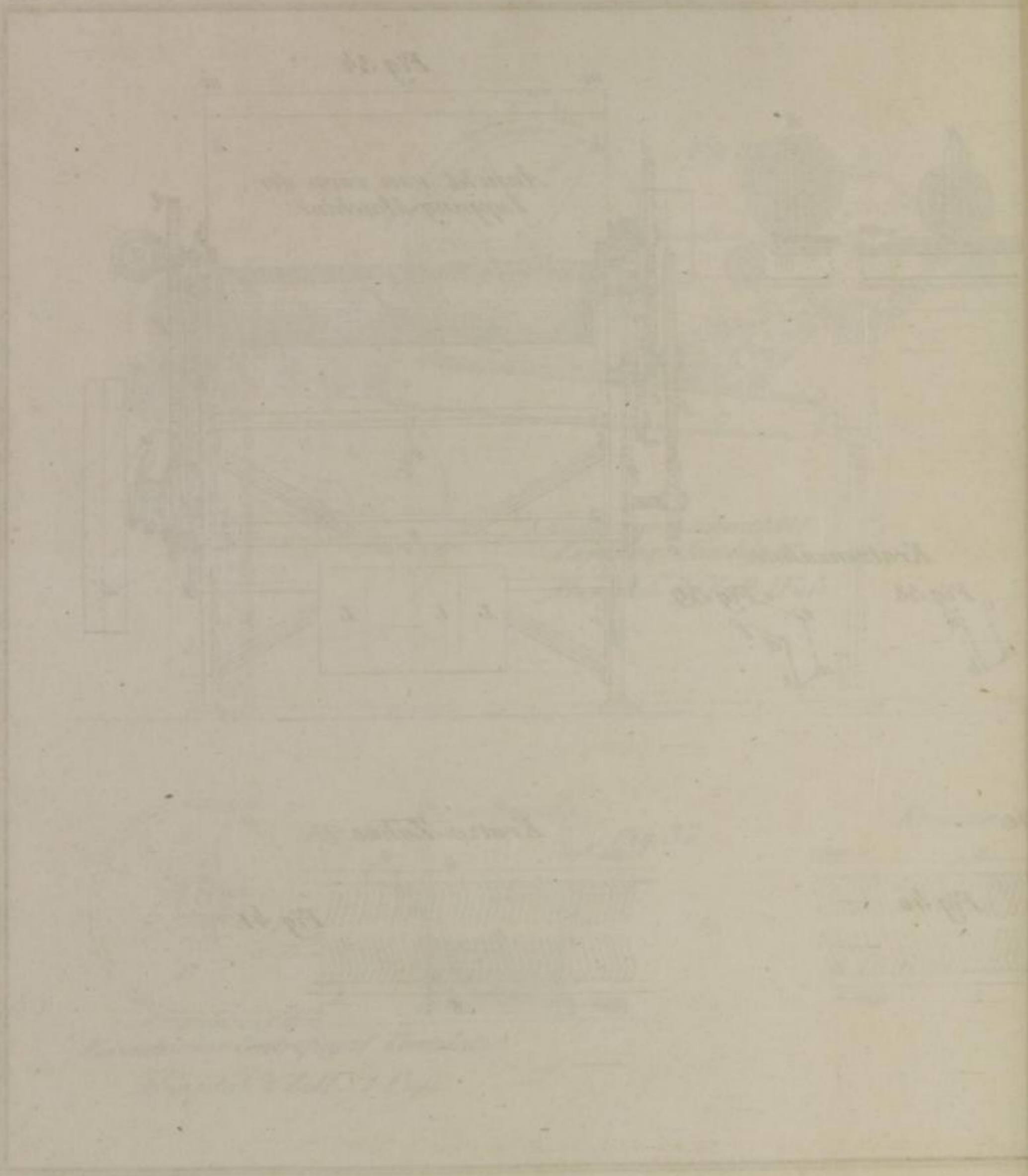
Kratzen-Zähne.

Fig. 41

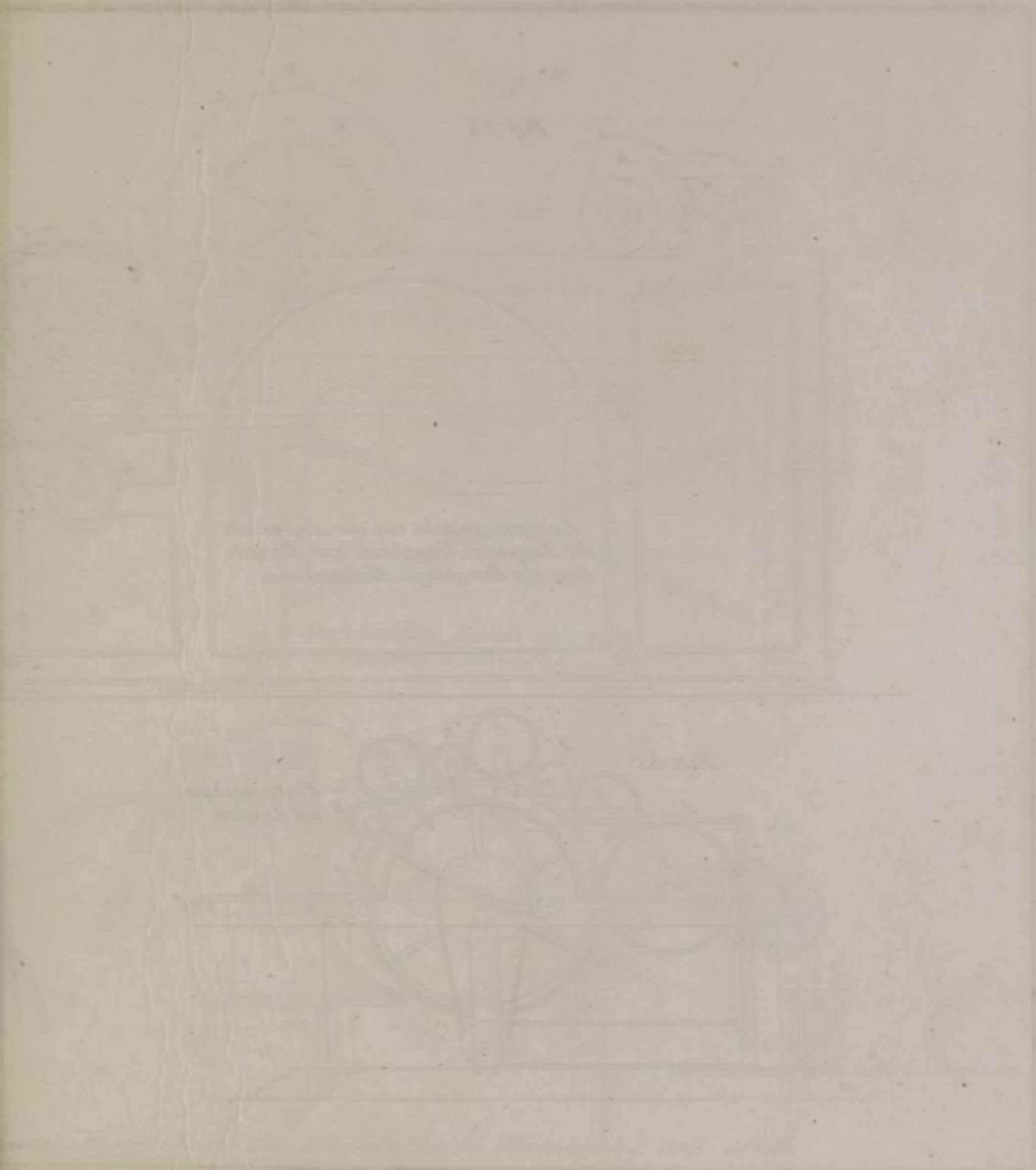
Fig. 36

Fig. 37

Excentrischer Centrifugal Ventilator  
Maasstab  $\frac{1}{4}$  Zoll-1 Fuß.







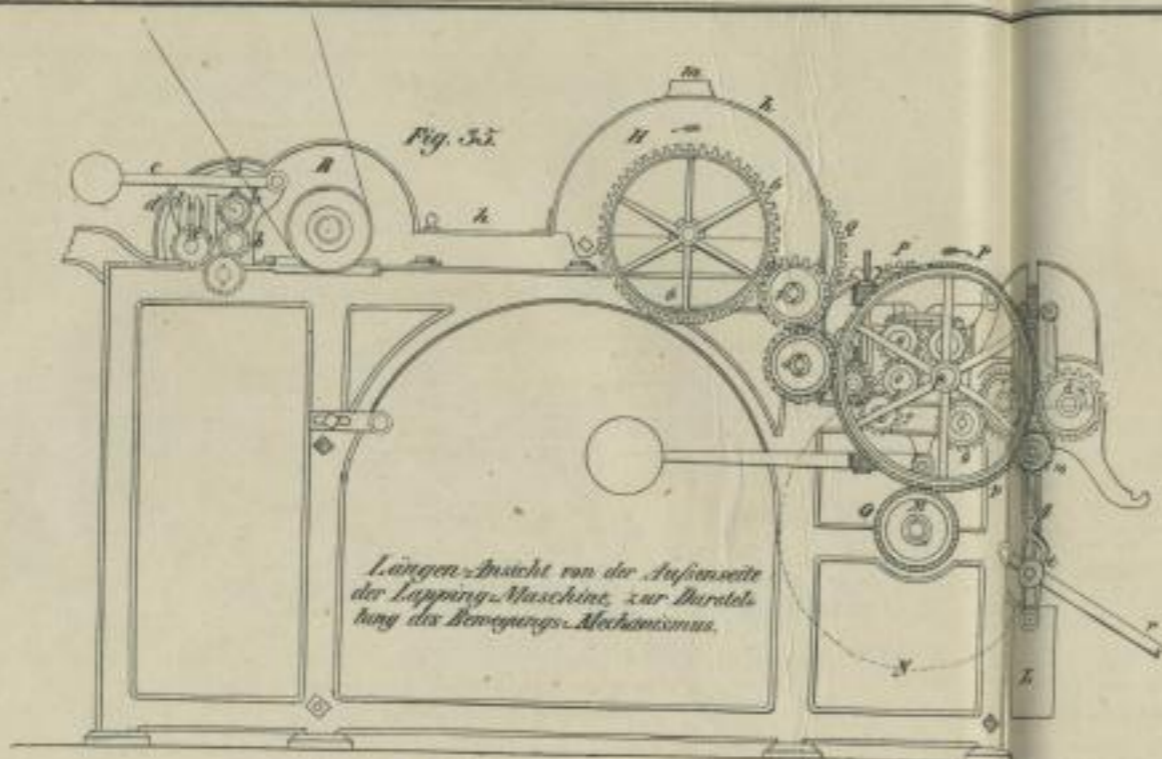


Fig. 32  
 Längens-Ansicht von der Aufsichtseite  
 der Lappung-Maschine, zur Darstell-  
 ung der Bewegungs-Mechanik.

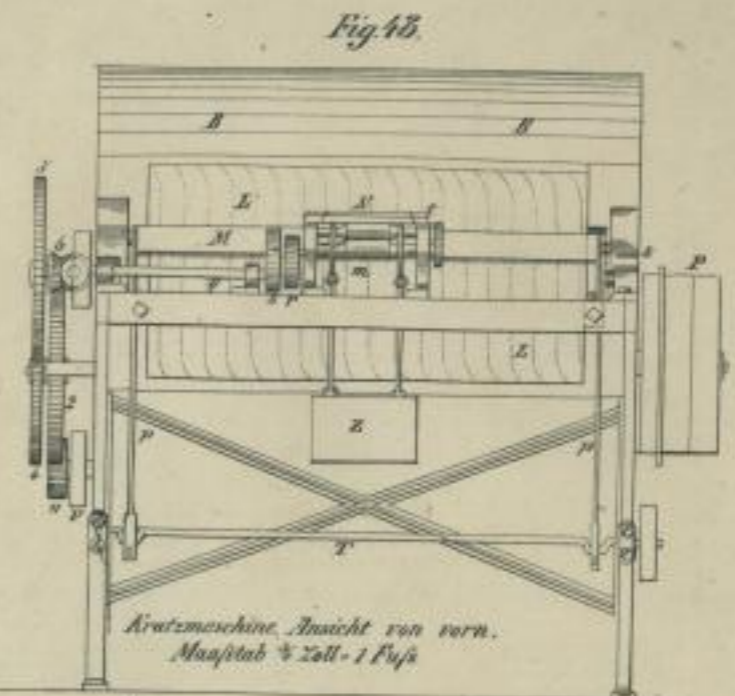


Fig. 33  
 Kratzmaschine, Ansicht von vorn.  
 Maasstab  $\frac{1}{2}$  Zoll - 1 Fuß

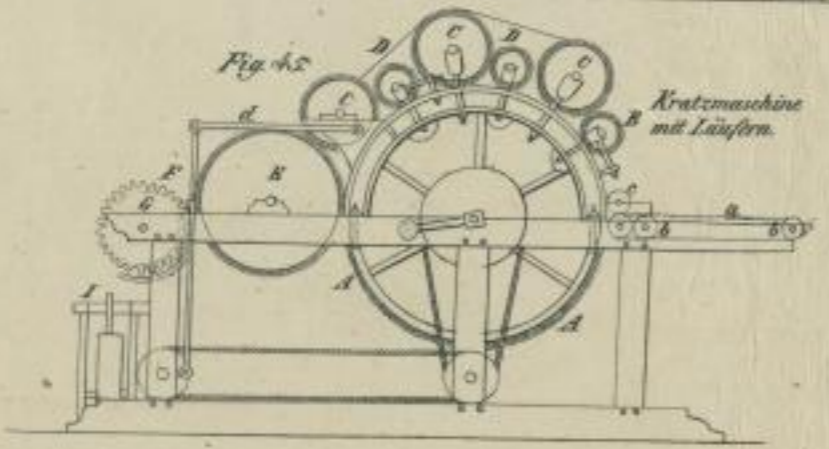


Fig. 34  
 Kratzmaschine  
 mit Läufern.

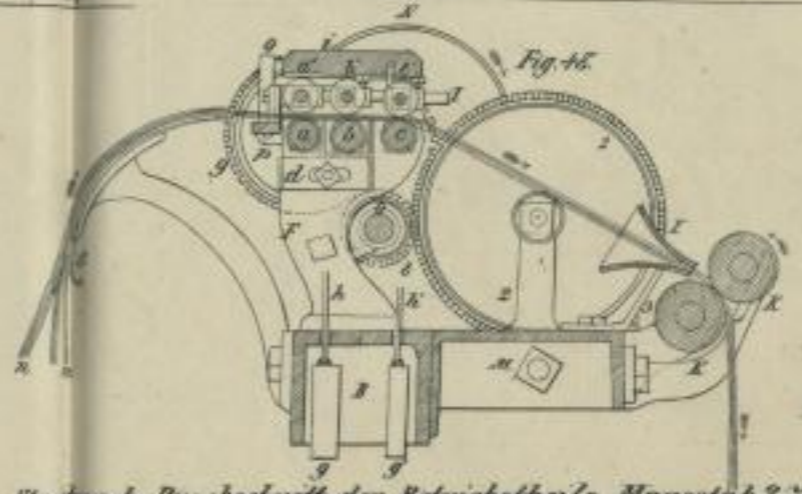


Fig. 35  
 Streifenwerk, Durchschnitt der Betriebtheile. Maasstab 2 Zoll - 1 Fuß.

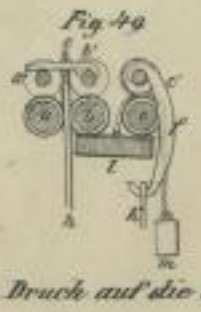
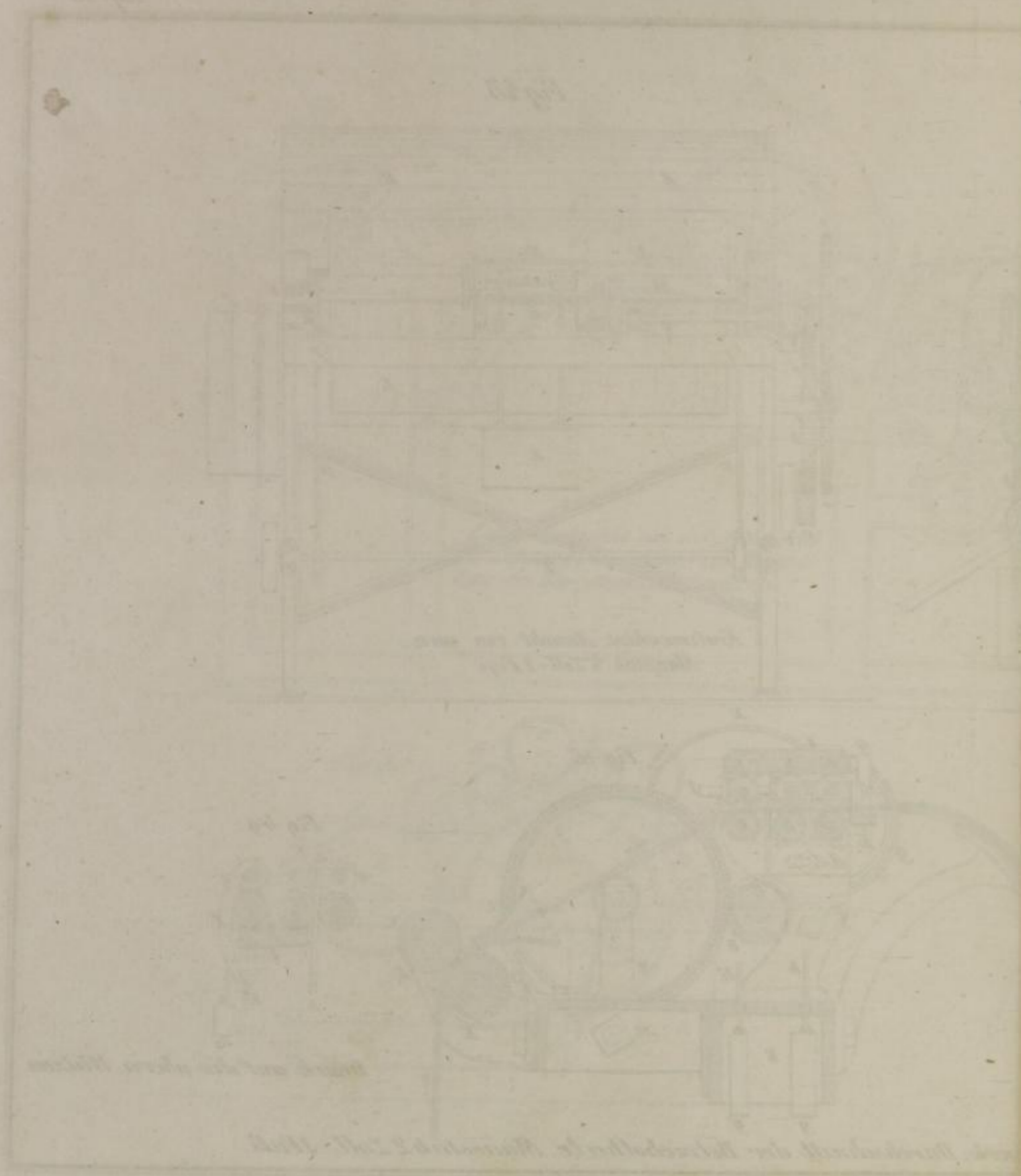
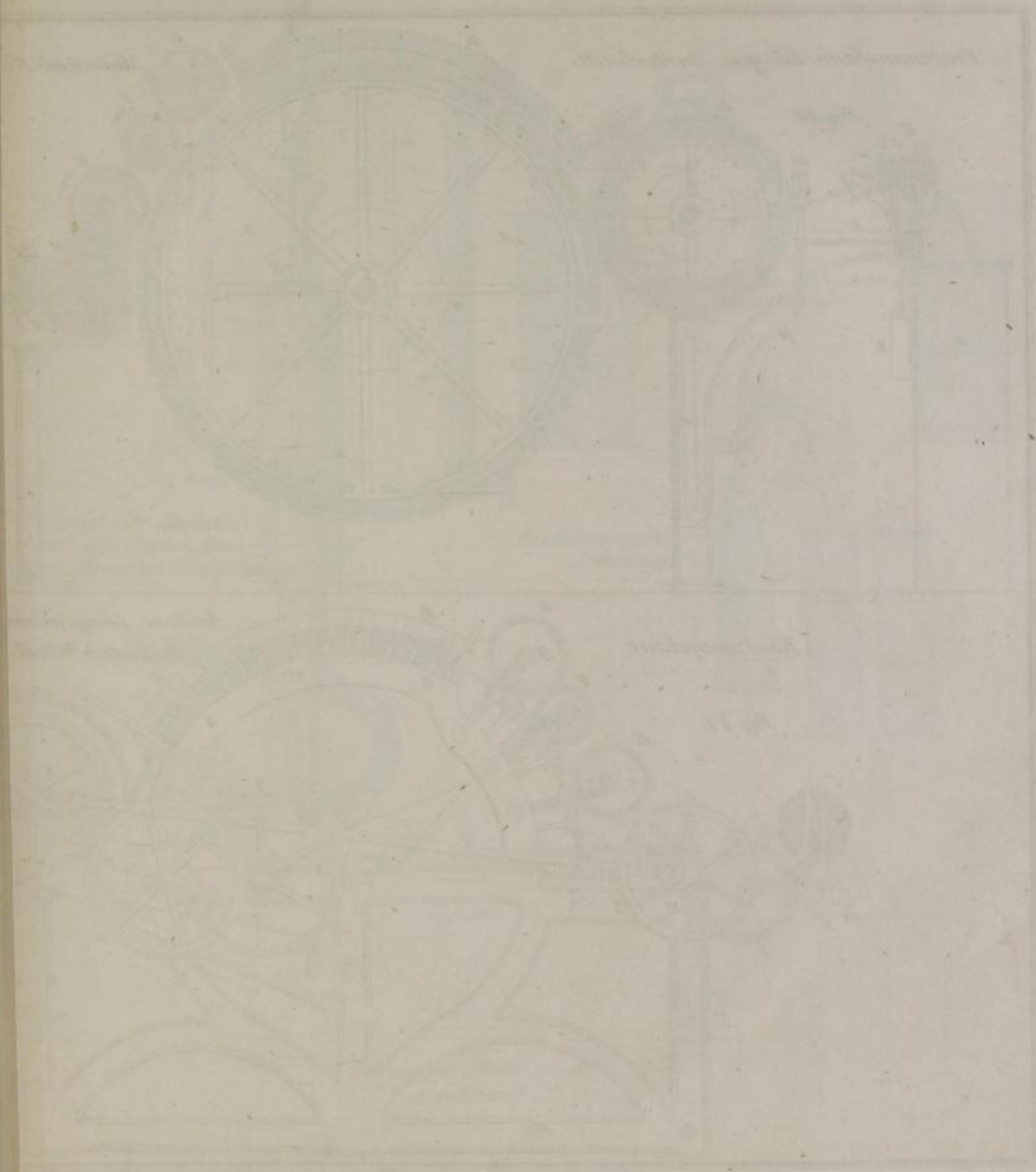


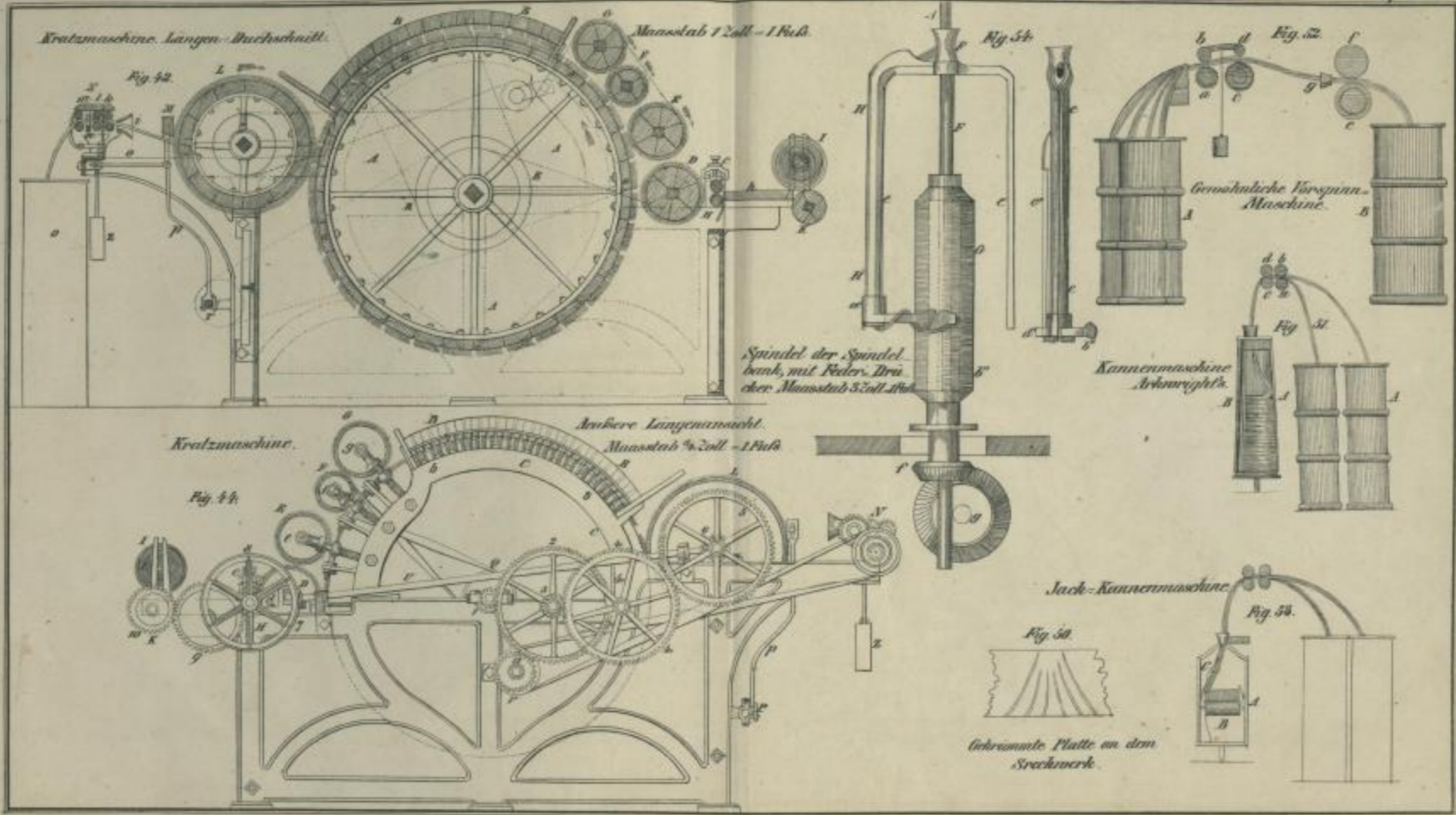
Fig. 36  
 Druck auf die obere Walzen.













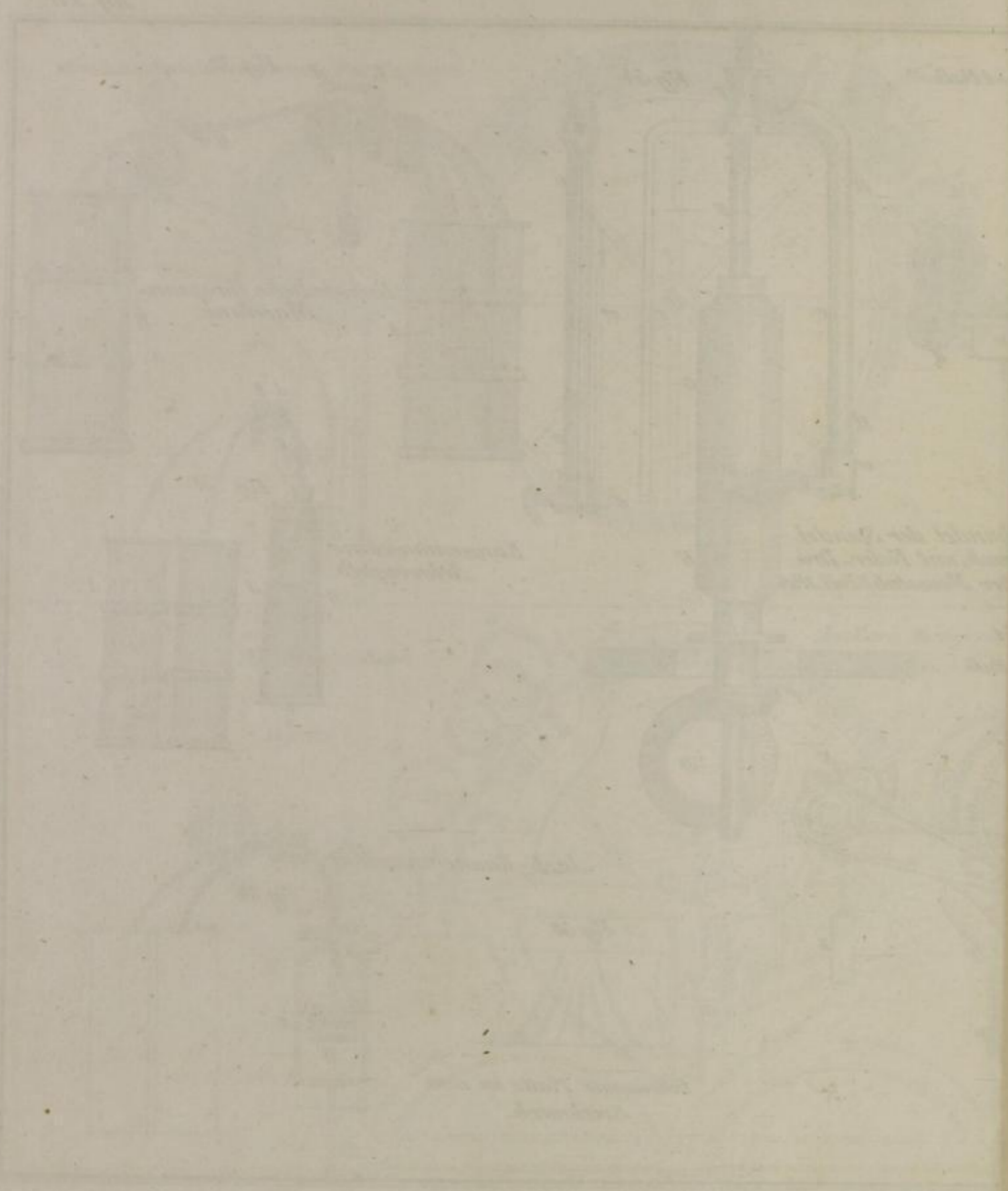
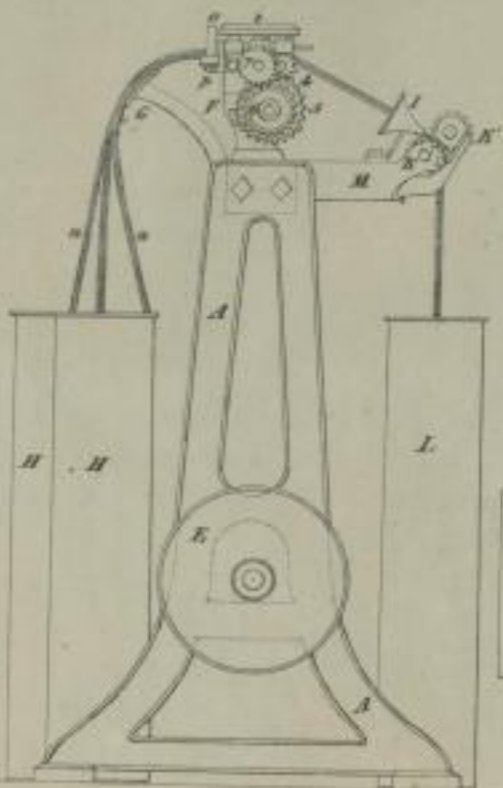




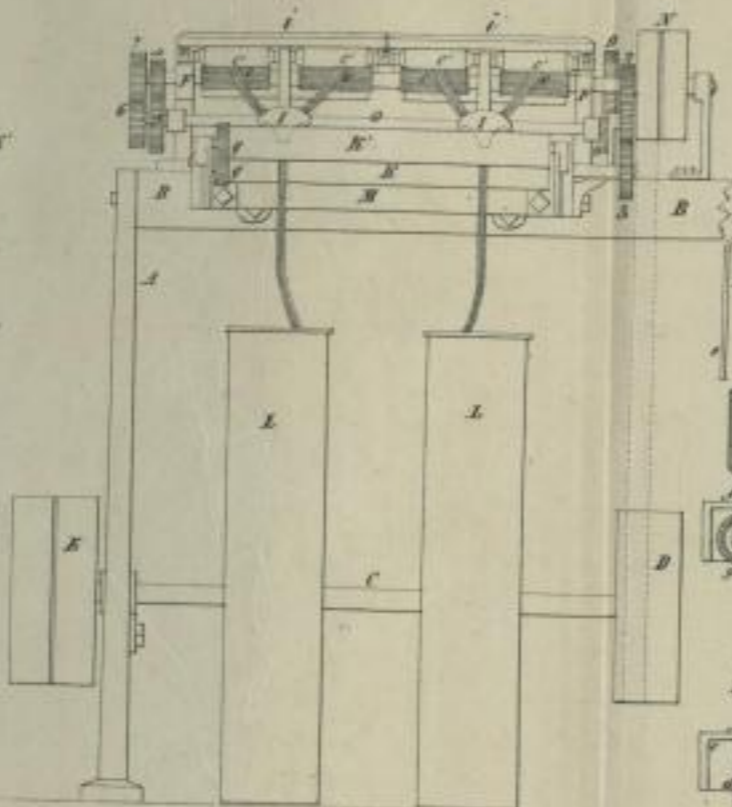


Fig. 46.



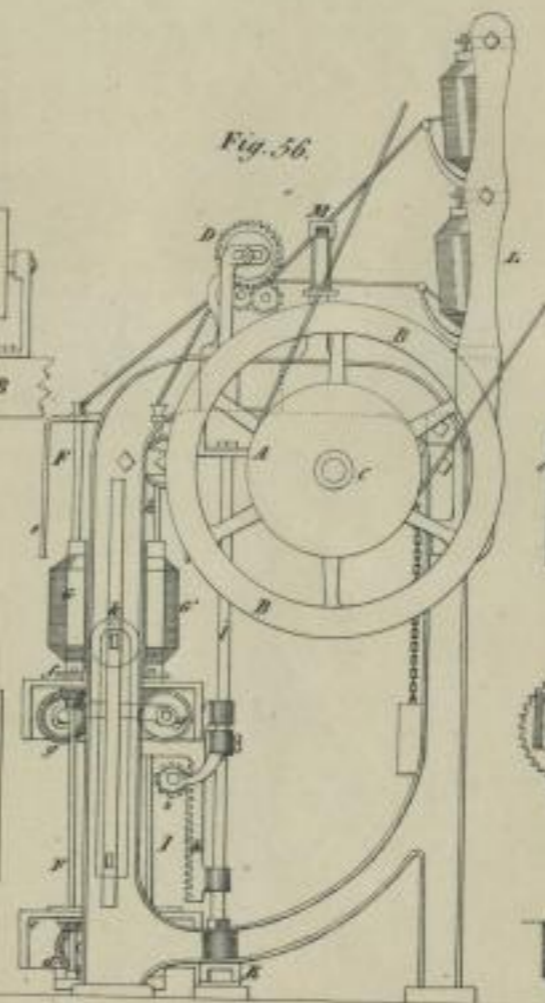
Endansicht des Steckwerkes. Maaßstab  
1 Zoll = 1 Fuss.

Fig. 47.



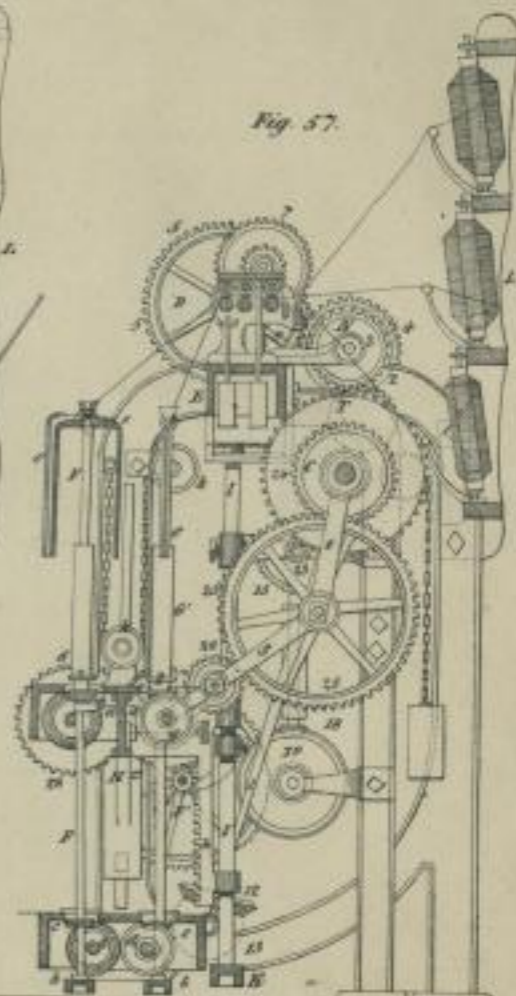
Streckwerk, Vordere Ansicht der einen  
Walzenreihe.

Fig. 56.



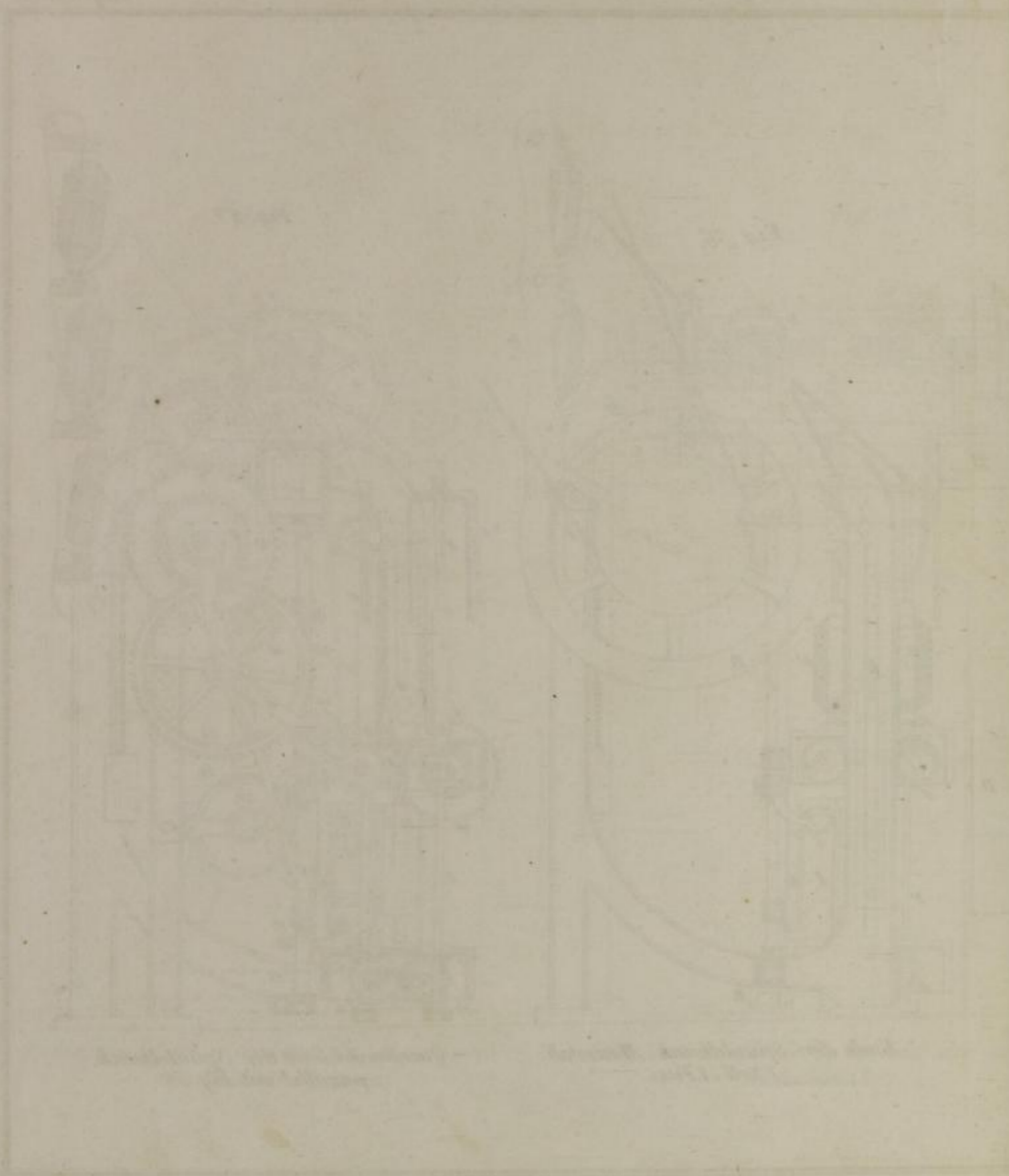
Ende der Spindelbank. Maaßstab  
1 Zoll = 1 Fuss.

Fig. 57.



Querdurchschnitt der Spindelbank,  
parallel mit Fig. 56





Faint text caption for the left drawing, likely describing its technical specifications or components.

Faint text caption for the right drawing, likely describing its architectural or structural details.

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Fig. 55.

Houldsworths Spindelbank. Ansicht von vorn.

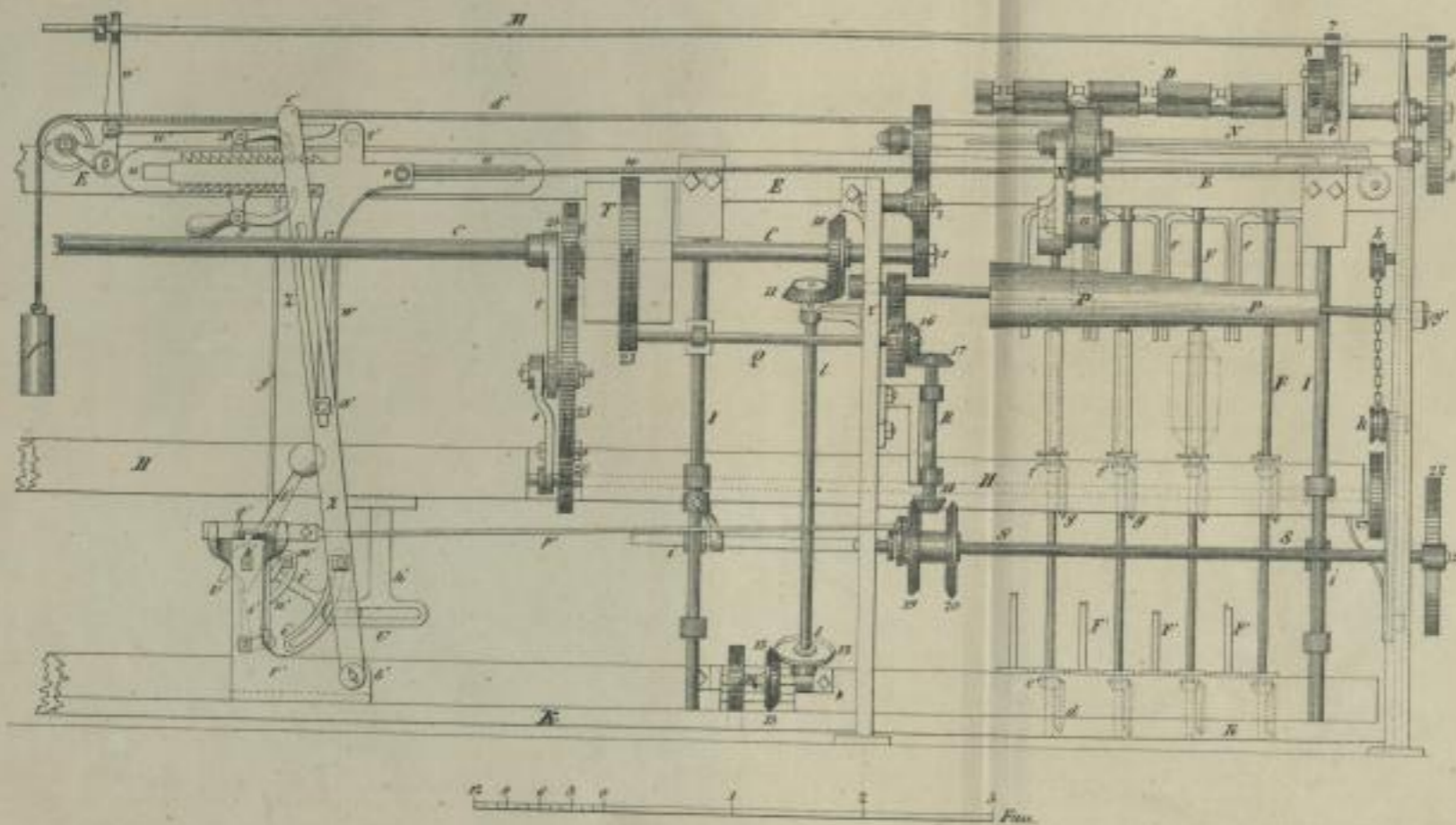
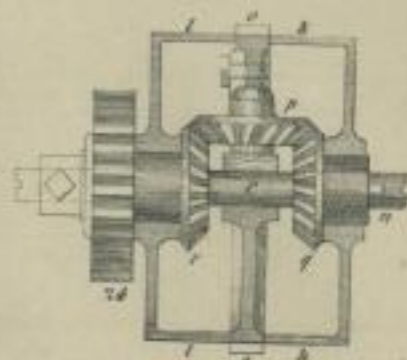


Fig. 58.



Ausgleichungs-Mechanismus von Houldsworths Differential. Dichtung an der Spindelbank. Maassstab  $\frac{1}{2}$  Zoll = 1 Fuss.



Fig. 59.

Ausgleichungs-Mechanismus. Maassstab  $\frac{1}{2}$  Zoll = 1 Fuss.

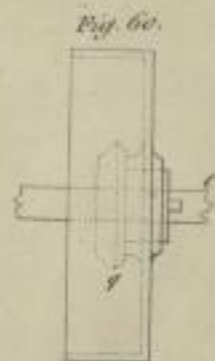


Fig. 60.

Die Hälfte der Ausgleichungs-Mechanismus. Dichtung von aussen.

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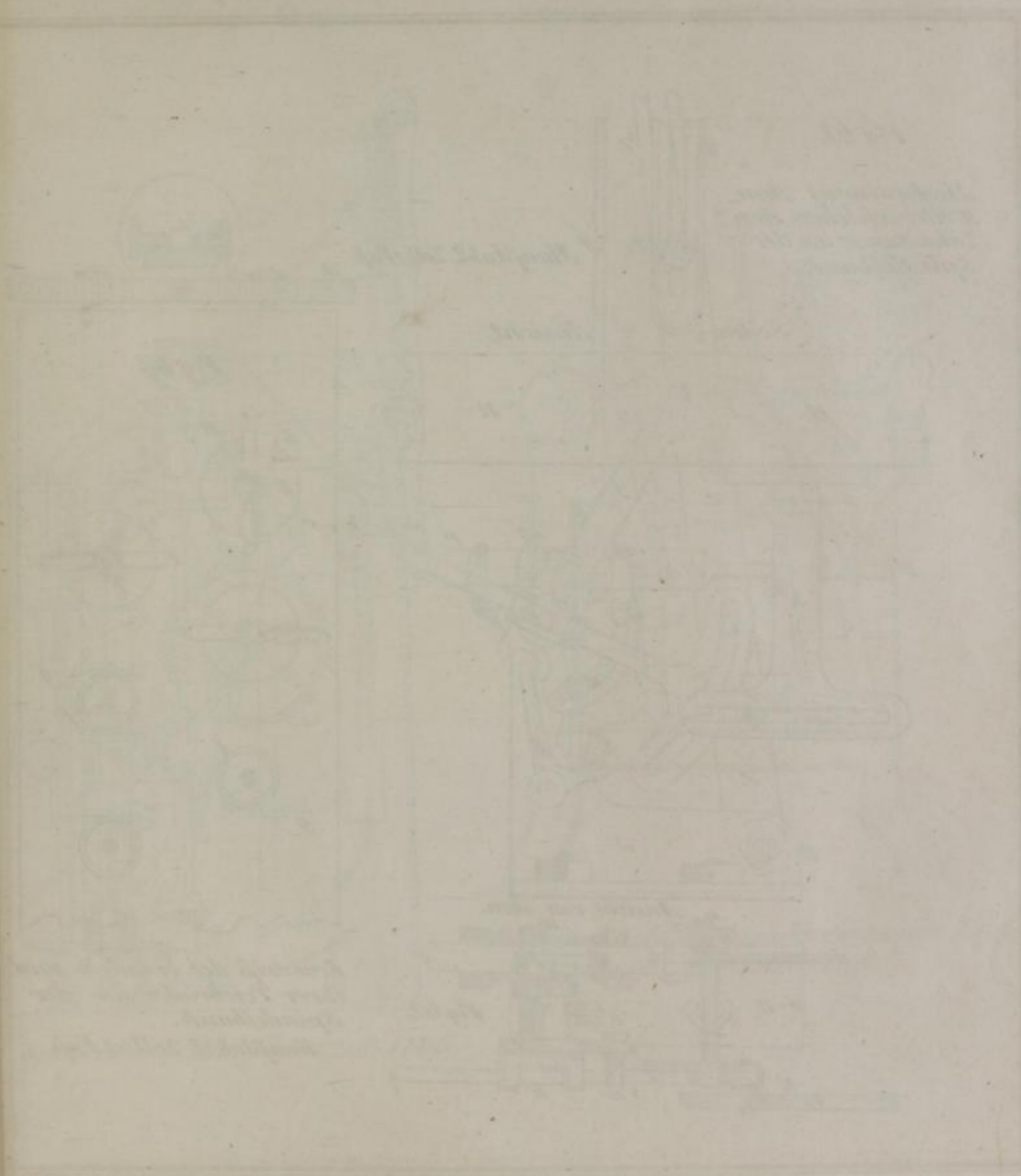
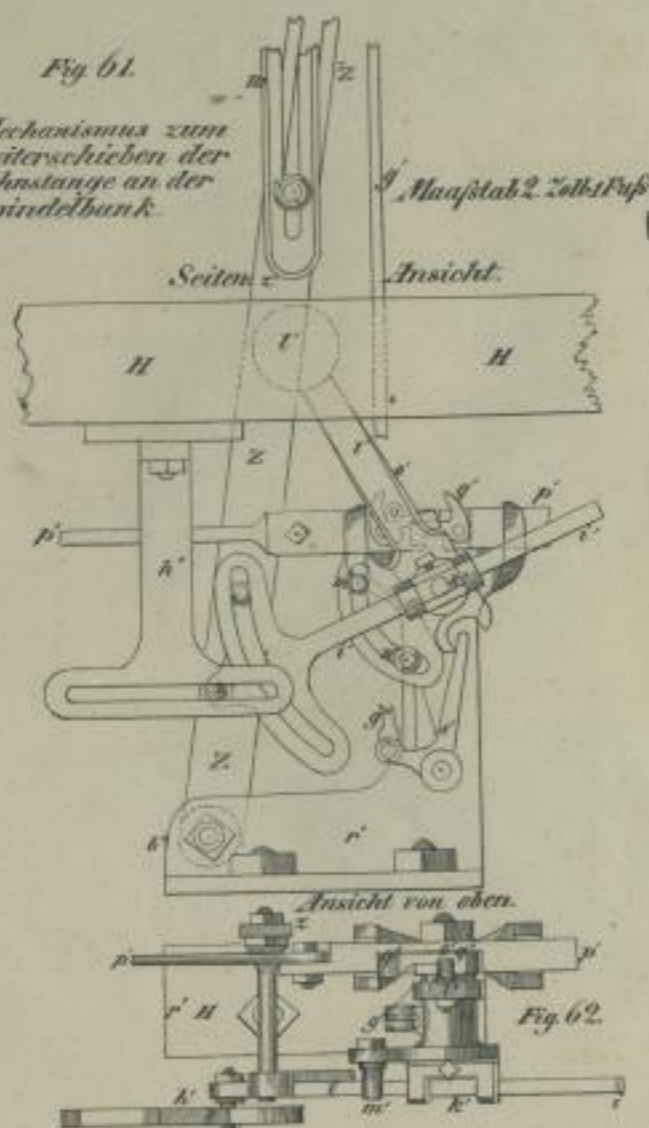
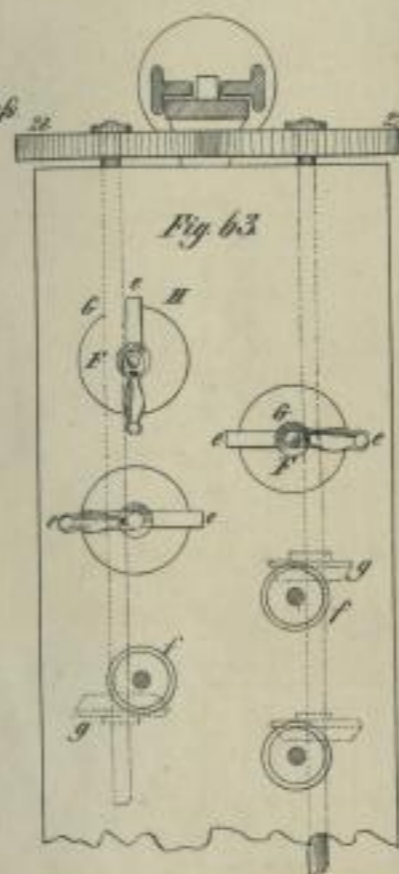


Fig. 61.

Mechanismus zum  
Weiterschieben der  
Zahnstange an der  
Spindelbank.

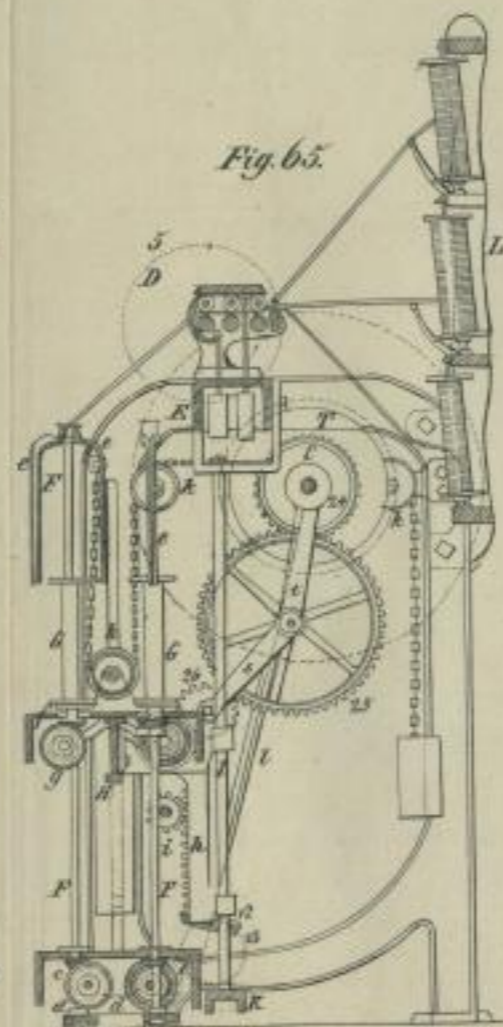


Maaßstab 2 Zoll=1 Fuß



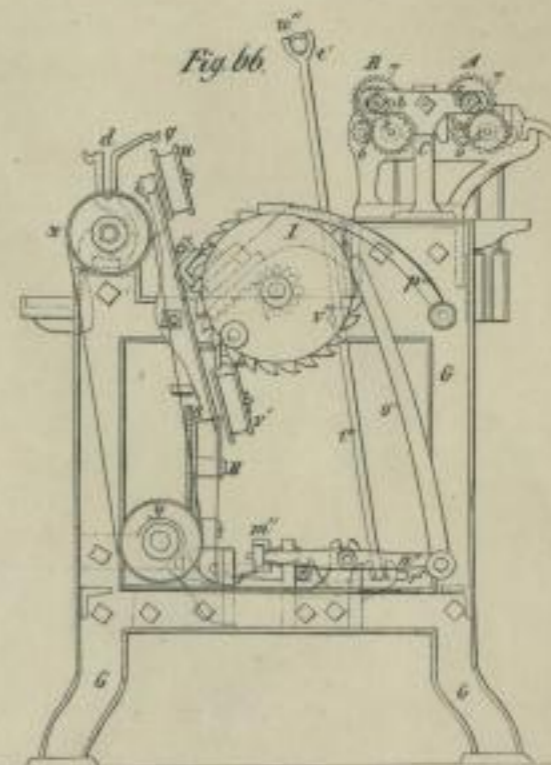
Grundriß der Spindeln und  
ihrer Triebäder an der  
Spindelbank.  
Maaßstab 2 Zoll=1 Fuß.

Fig. 65.



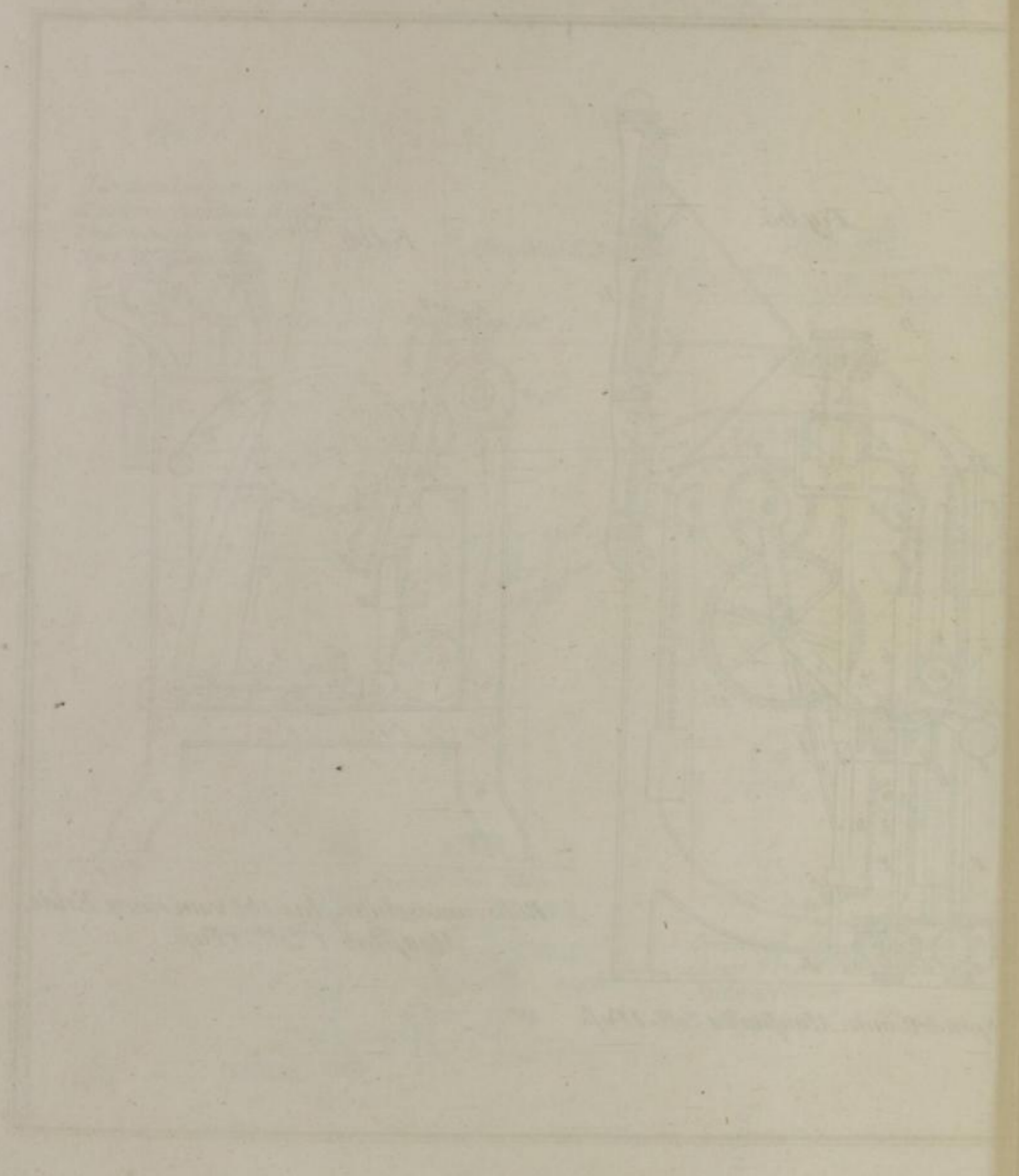
Spindelbank. Maaßstab 1 Zoll=1 Fuß.

Fig. 66.



Röhrenmaschine. Ansicht vom einen Ende.  
Maaßstab 1 Zoll=1 Fuß.

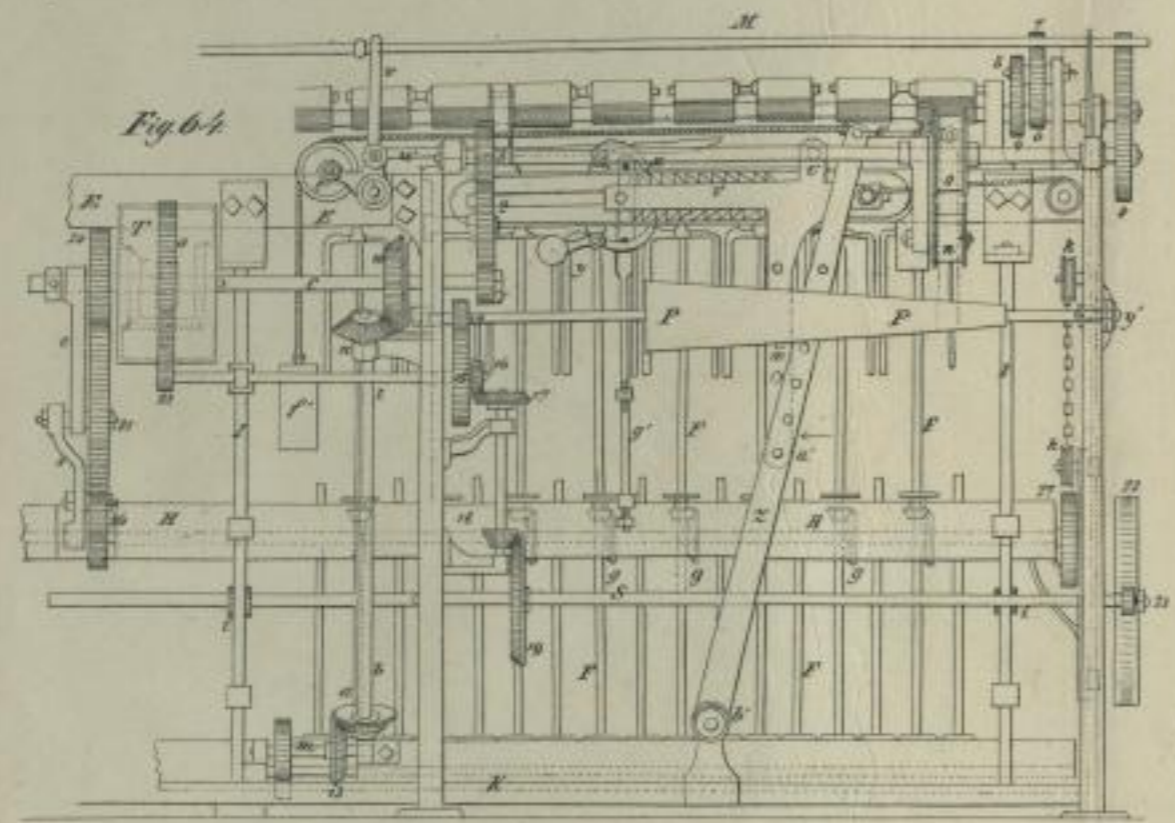




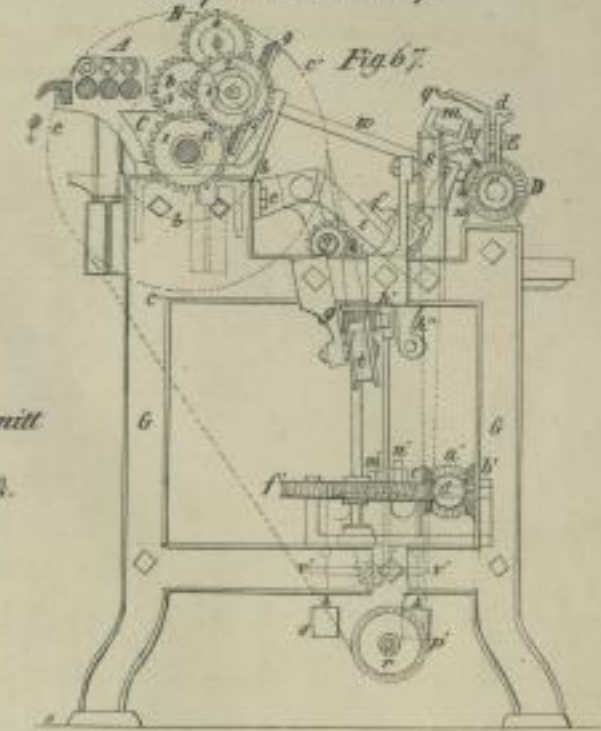
*[Faint, illegible handwriting on a grid-lined page]*



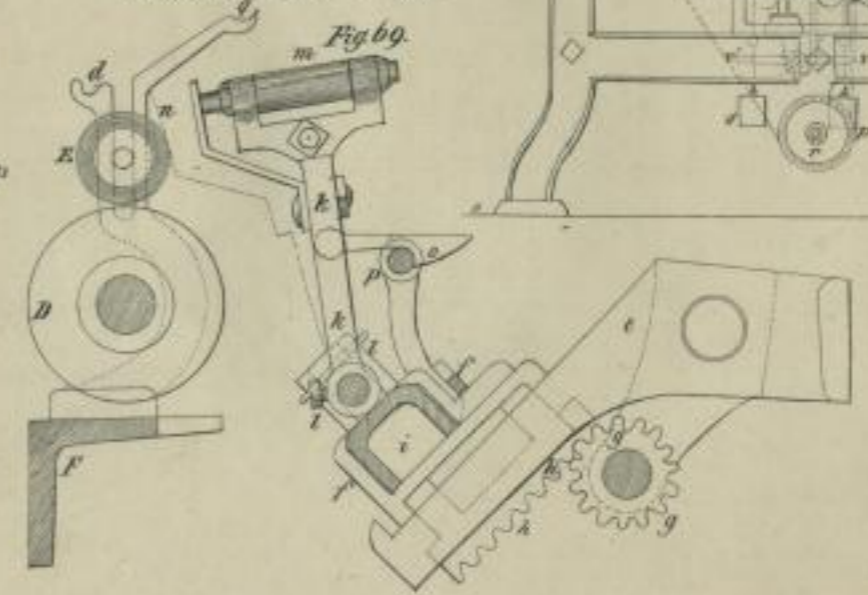
Spindelbank von Cocker und Higgins, ohne Druck-Spulen. Maaßstab 1 Zoll=1 Fuß.

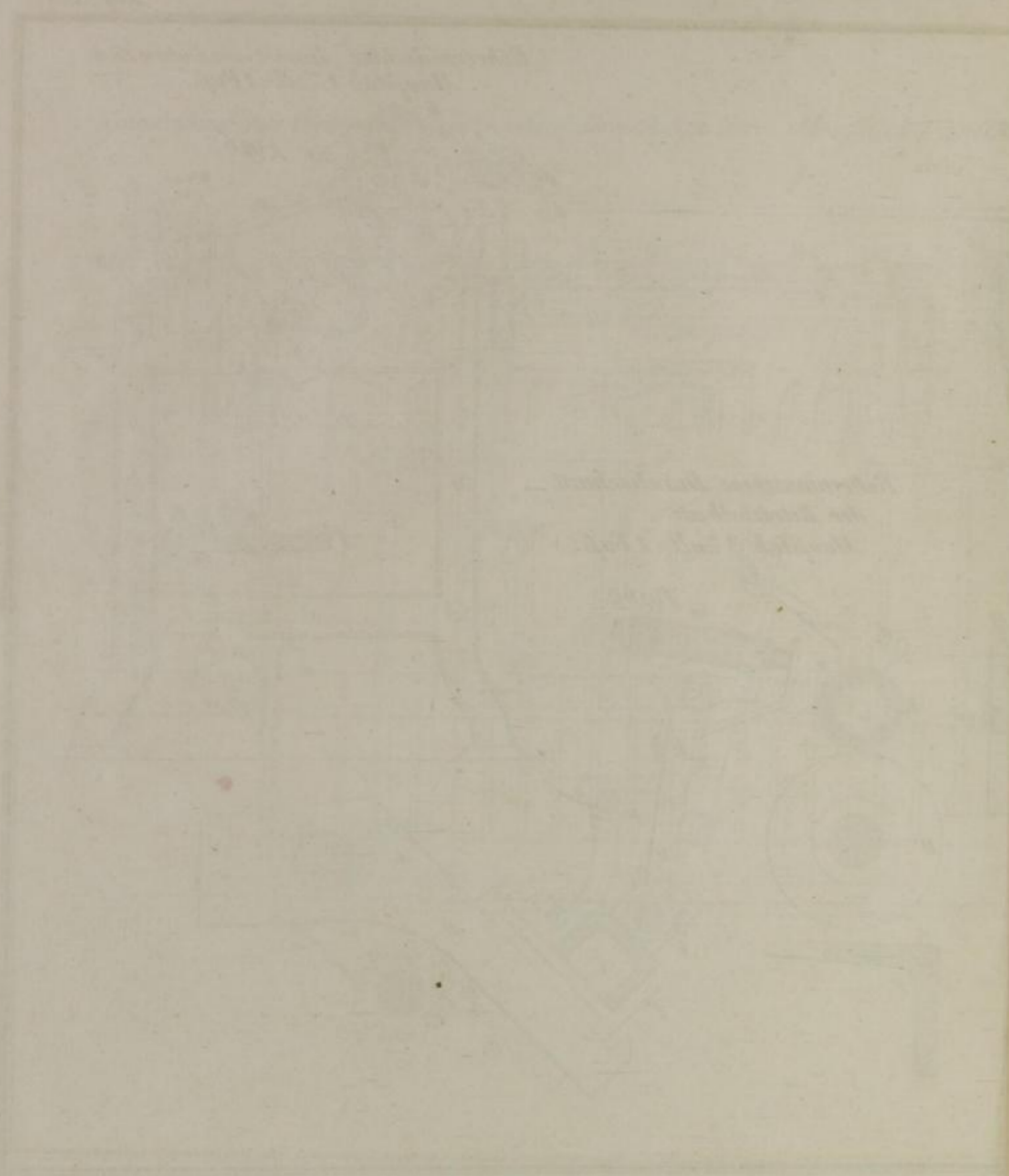


Röhrenmaschine. Ansicht vom andern Ende. Maaßstab 1 Zoll=1 Fuß.

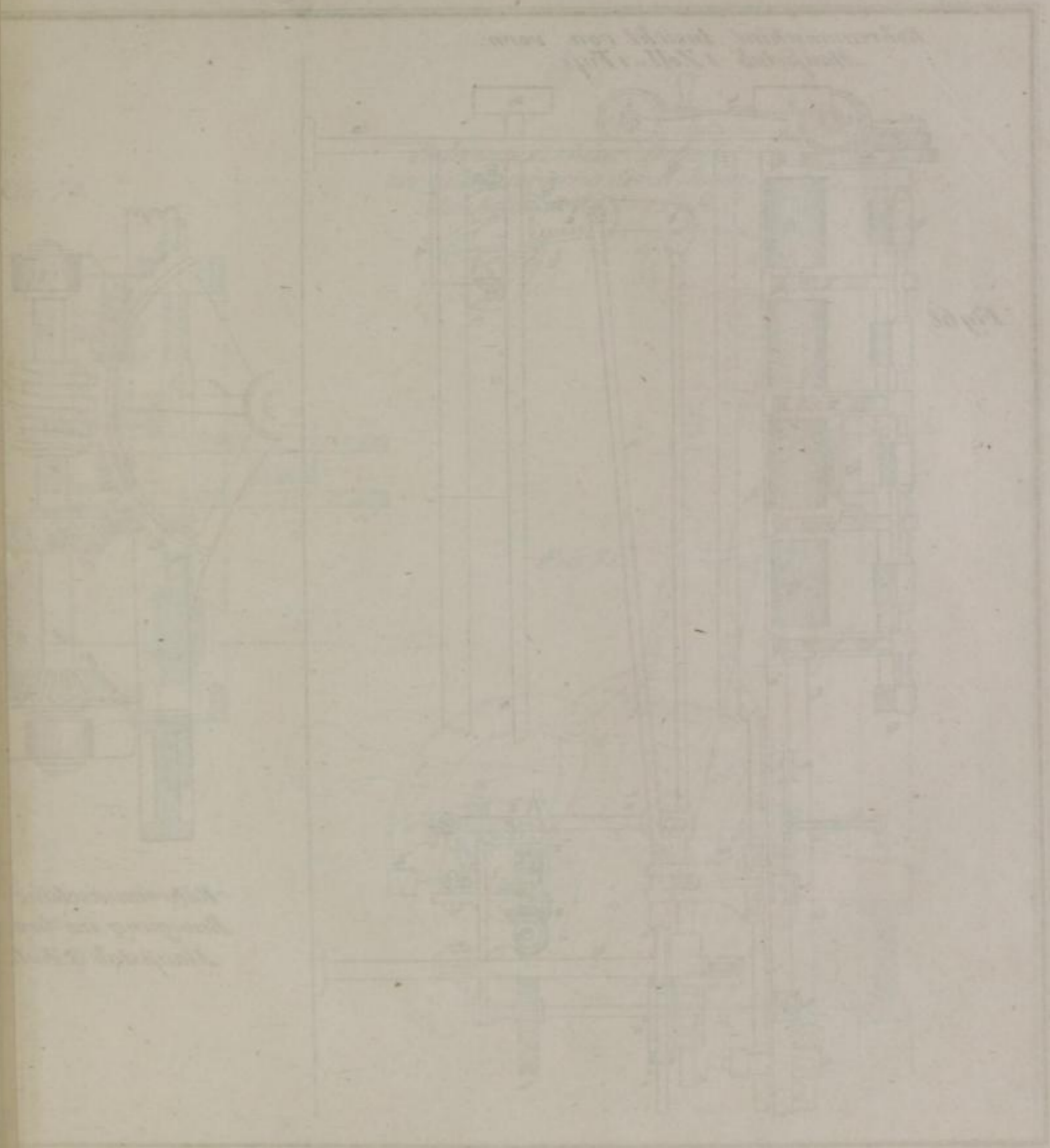


Röhrenmaschine. Durchschnitt der Betriebstheile. Maaßstab 3 Zoll=1 Fuß.









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Röhrenmaschine Ansicht von vorn.  
Maafstab 1 Zoll - 1 Fuß.

Fig 66

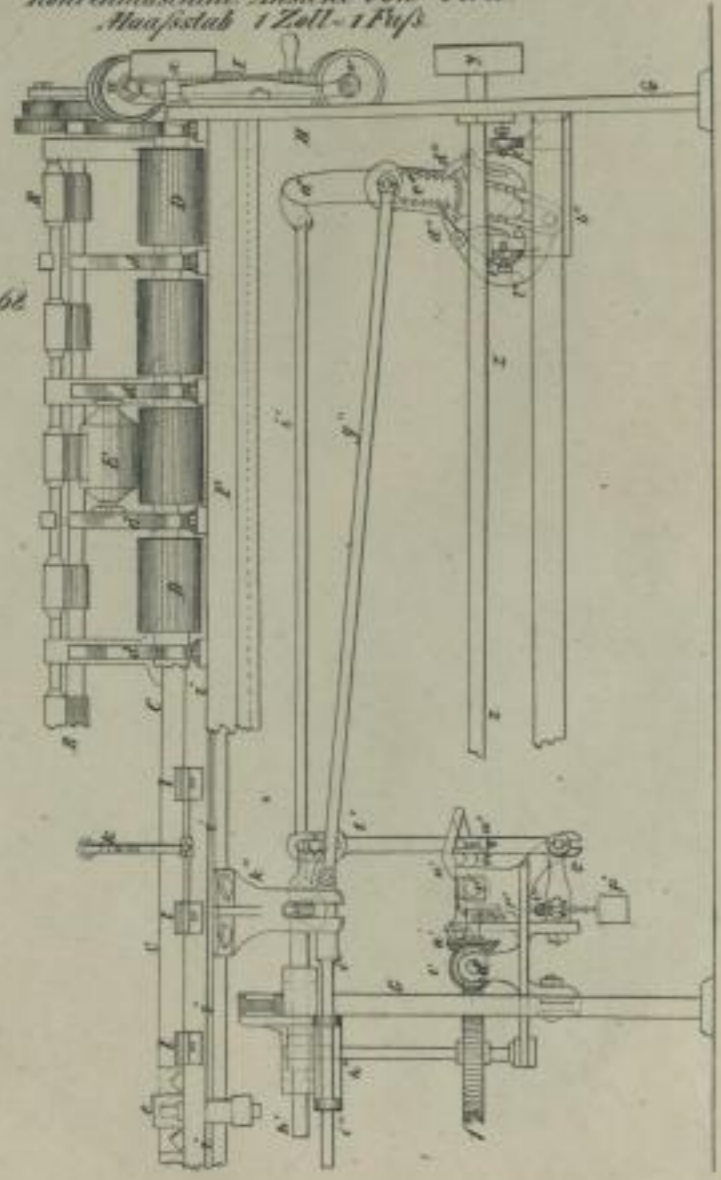
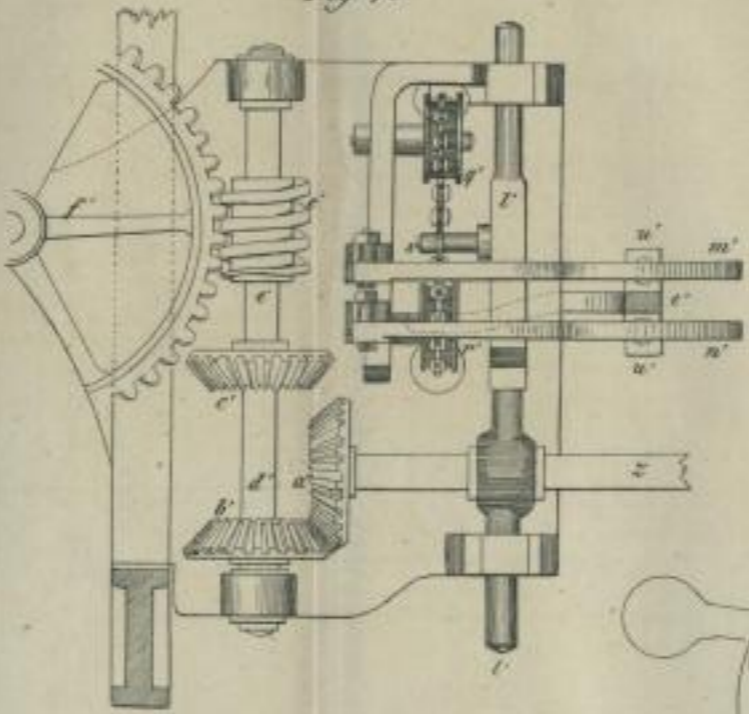
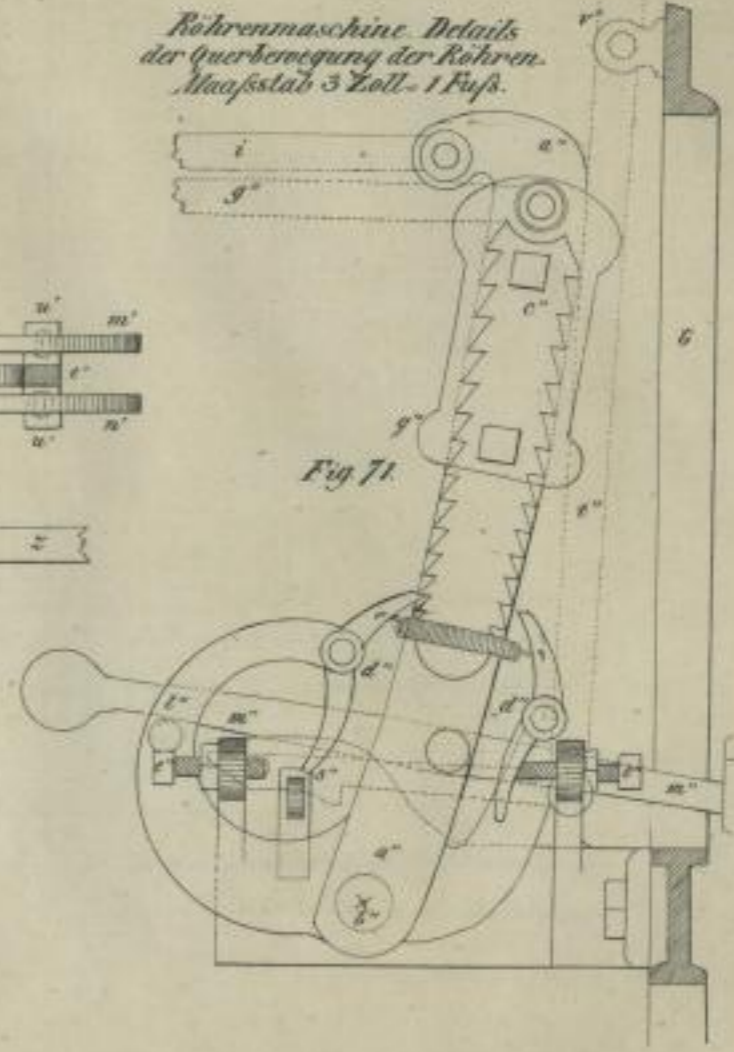


Fig 70



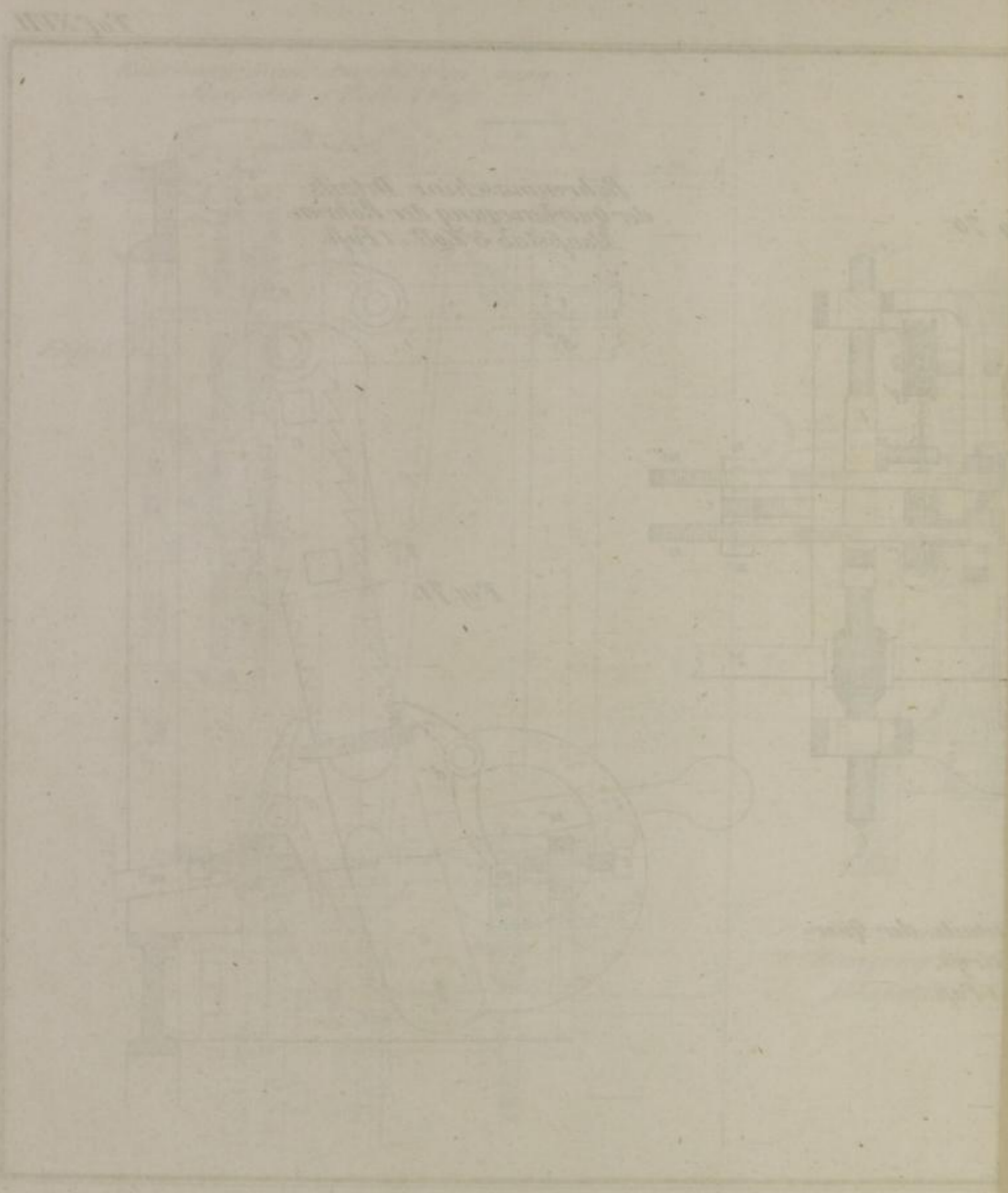
Röhrenmaschine Details der Querbewegung der Röhren.  
Maafstab 3 Zoll - 1 Fuß.

Fig 71



Röhrenmaschine Details der Querbewegung im Grundriß.  
Maafstab 3 Zoll - 1 Fuß.

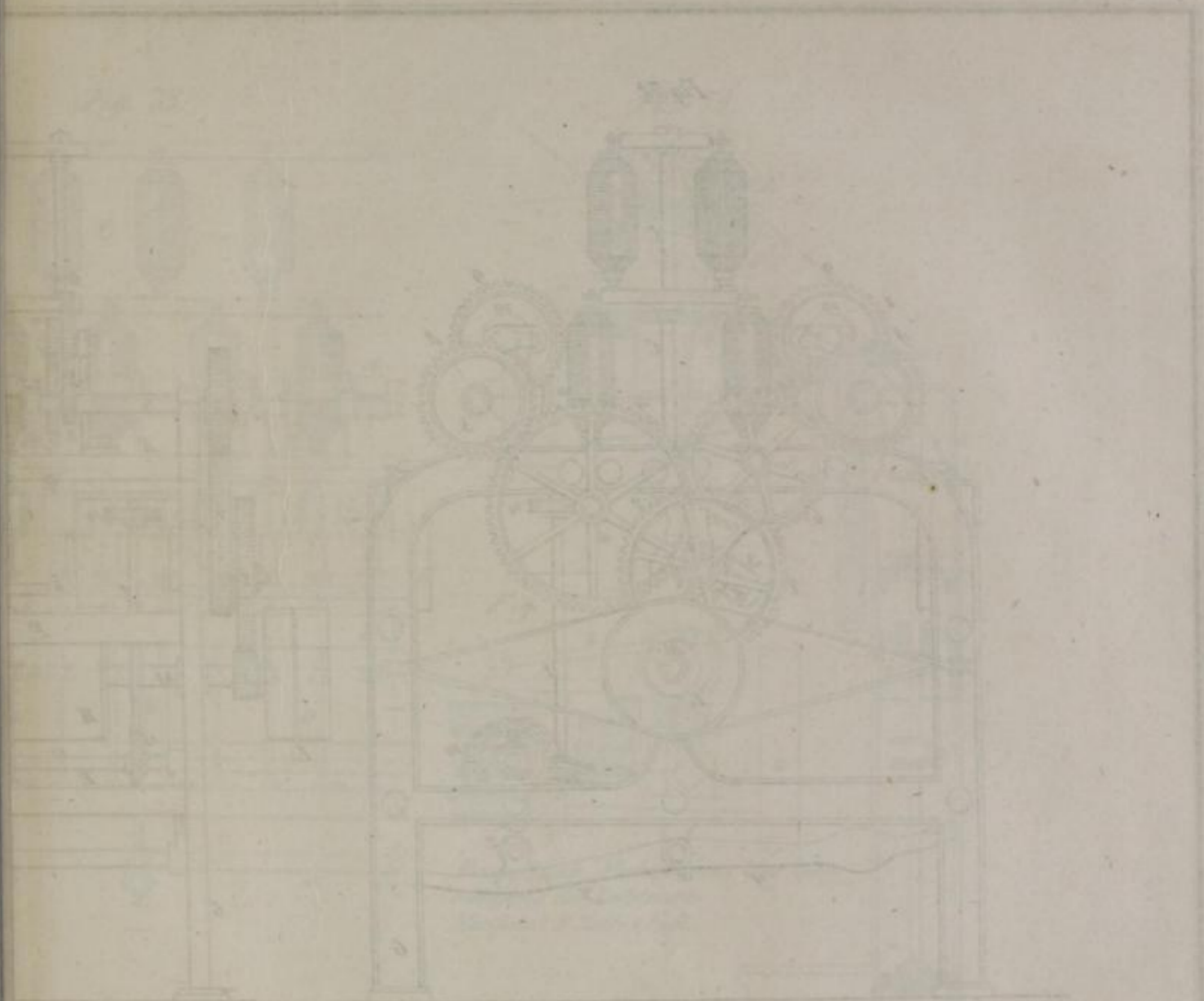




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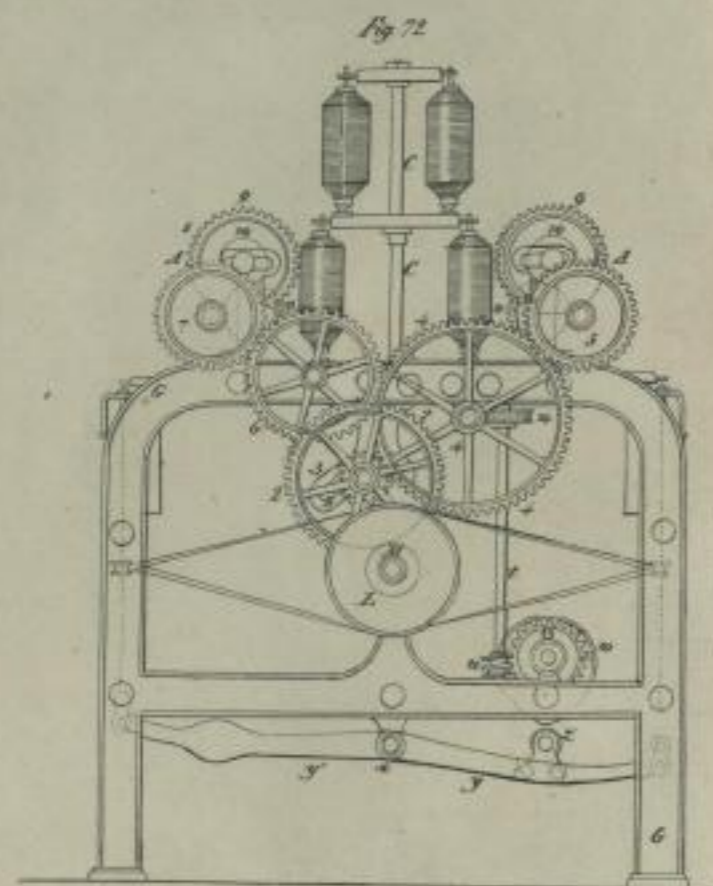
*Faint, illegible text, possibly a label or reference number.*

*Faint, illegible text, possibly a note or signature.*

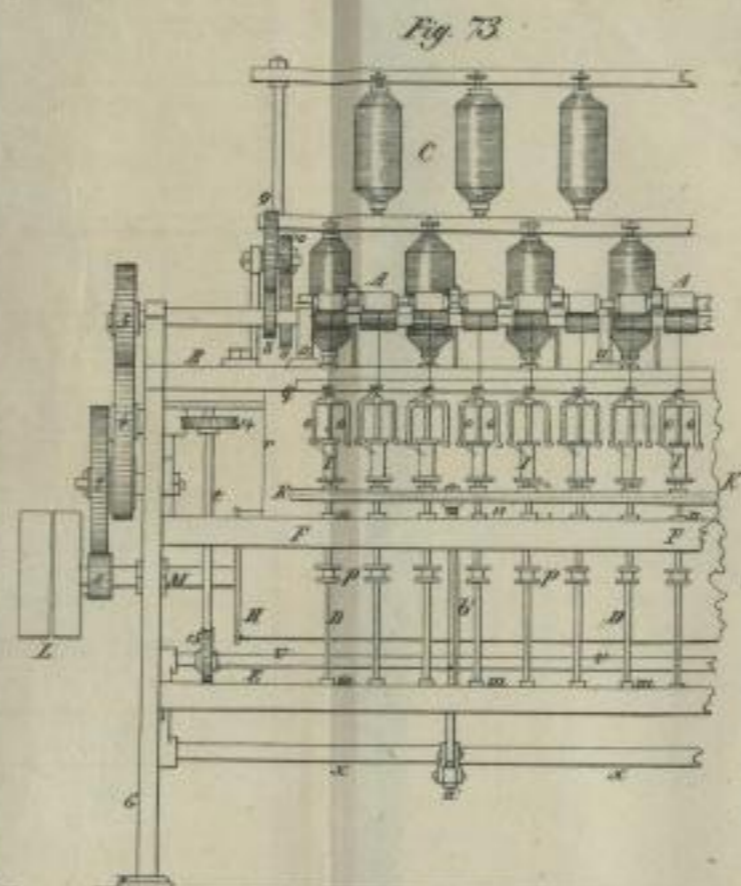


Faint, illegible text, possibly a title or description of the machine, written in a historical script.

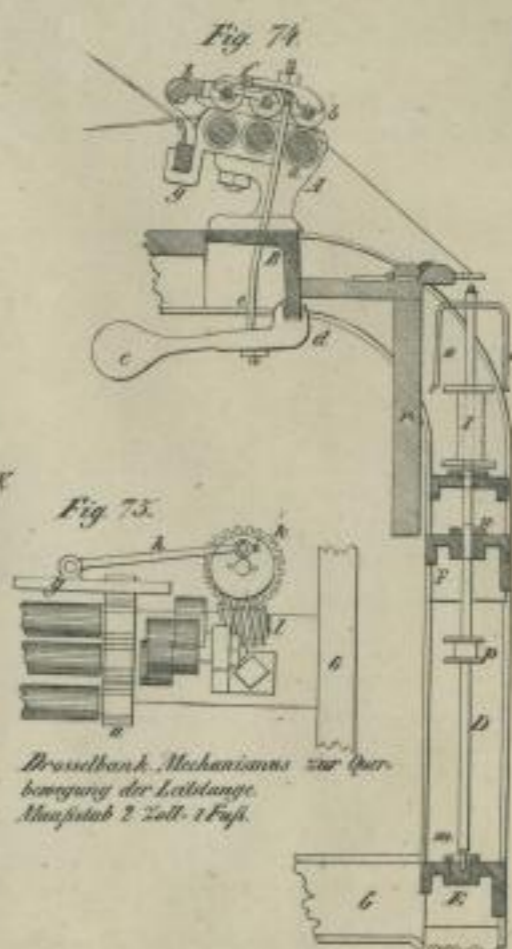




Endansicht der gewöhnlichen Drosselbank.  
Maafstab 1 Zoll = 1 Fuß.



Ansicht von vorn von der Drosselbank.  
Maafstab 1 Zoll = 1 Fuß.



Drosselbank. Mechanismus zur Querbewegung der Lablange.  
Maafstab 2 Zoll = 1 Fuß.

Drosselbank. Durchschnitt der spannenden Theile.  
Maafstab 2 Zoll = 1 Fuß.



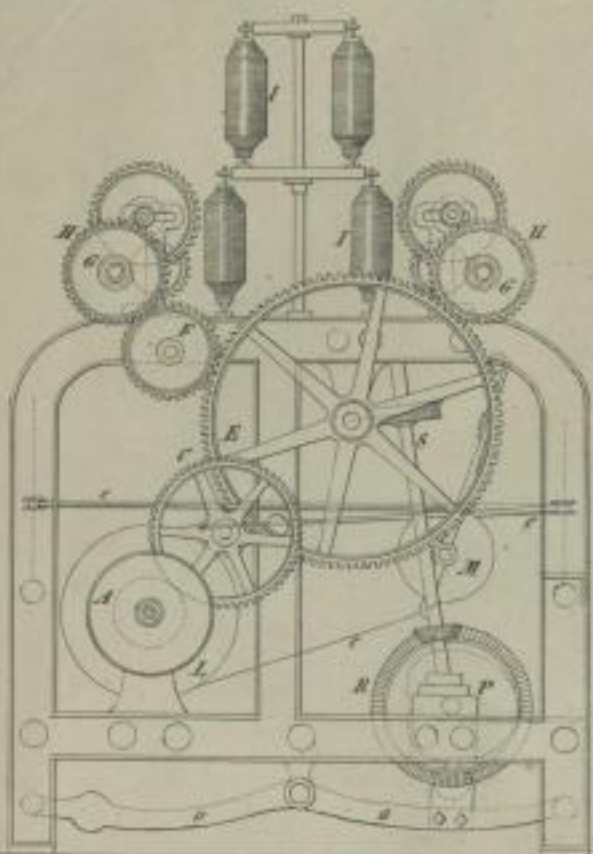
Die Abbildung zeigt den  
 allgemeinen Bau  
 des Apparats.

Die Abbildung zeigt  
 die Details des Ventils.



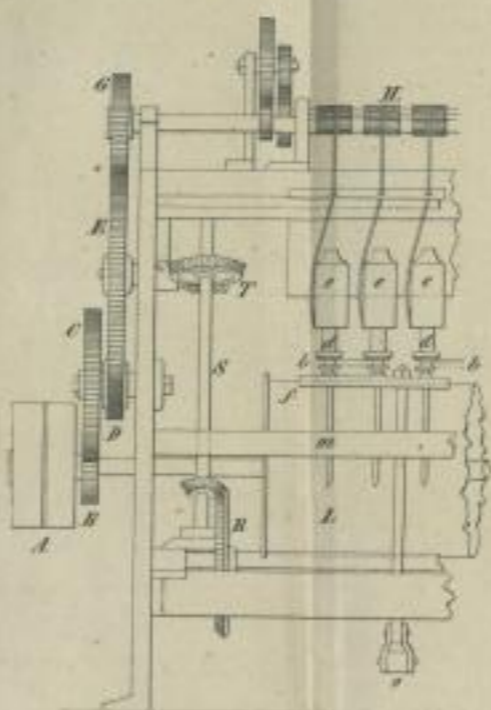


Fig. 76.



Seitenansicht der Amerikanischen oder Danforth'schen Wrosselbank. Maßstab 1 Zoll = 1 Fuß.

Fig. 77.



Danforth's Wrosselbank Ansicht von vorn. 1 Zoll = 1 Fuß.

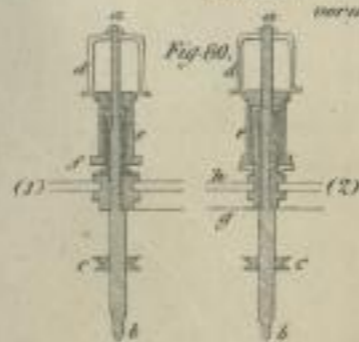


Fig. 80.

Fig. 79.

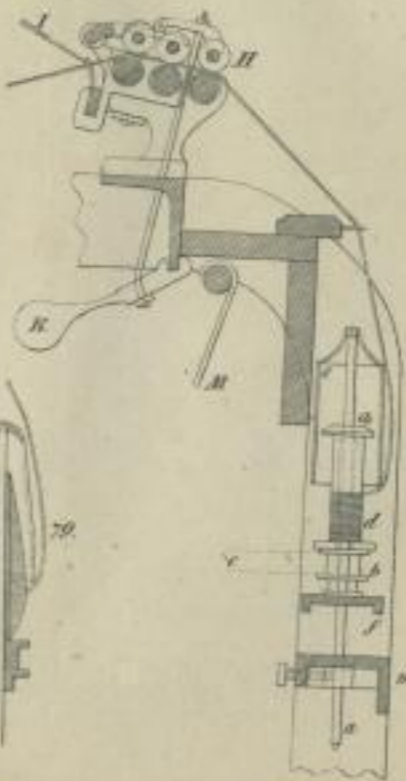
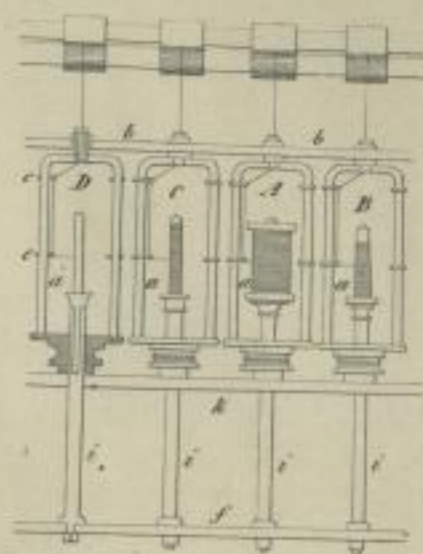


Fig. 78.

Fig. 81.



Montgomery's Wrosselspindel

Fig. 78. Querschnitt der spinnenden Theile.

Fig. 79. Spindel zur Bildung von Wickeln.

Fig. 80. Gore's Spindel für die Wrosselbank.

Maasstab von Fig. 78 - 81 2 Zoll = 1 Fuß.



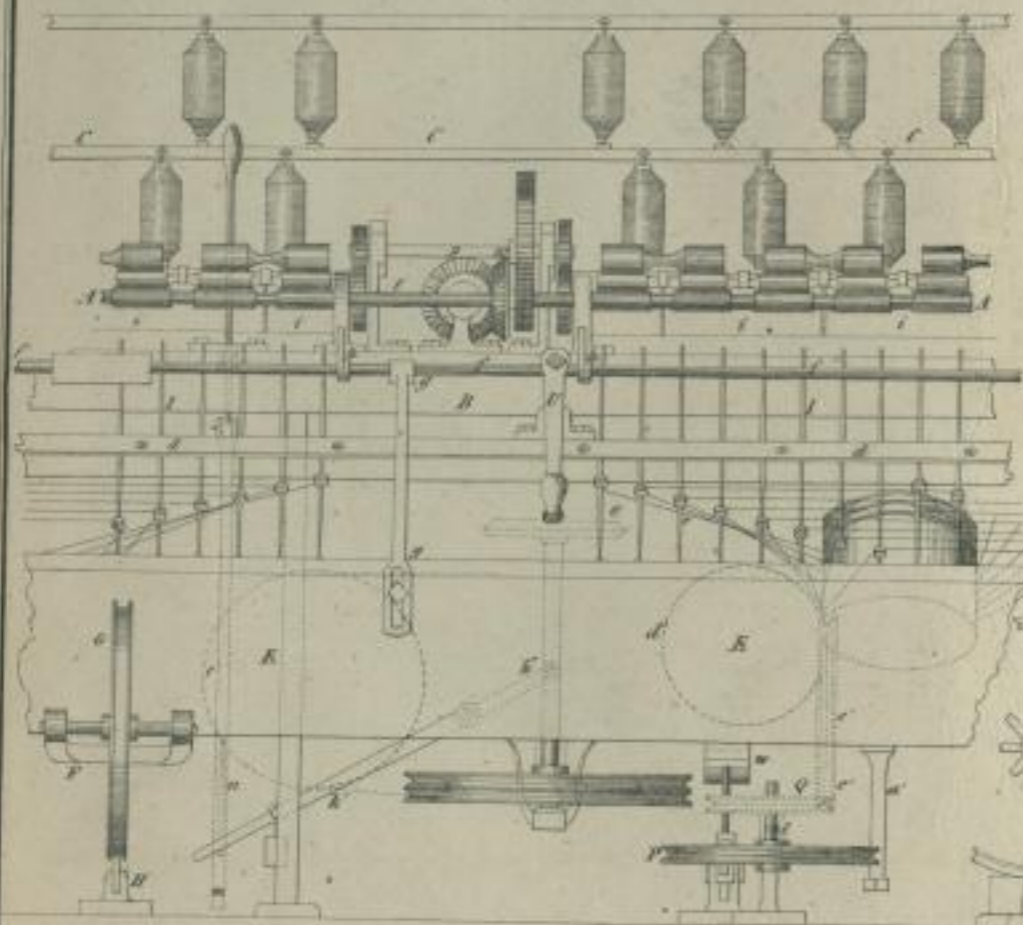






Fig. 82.

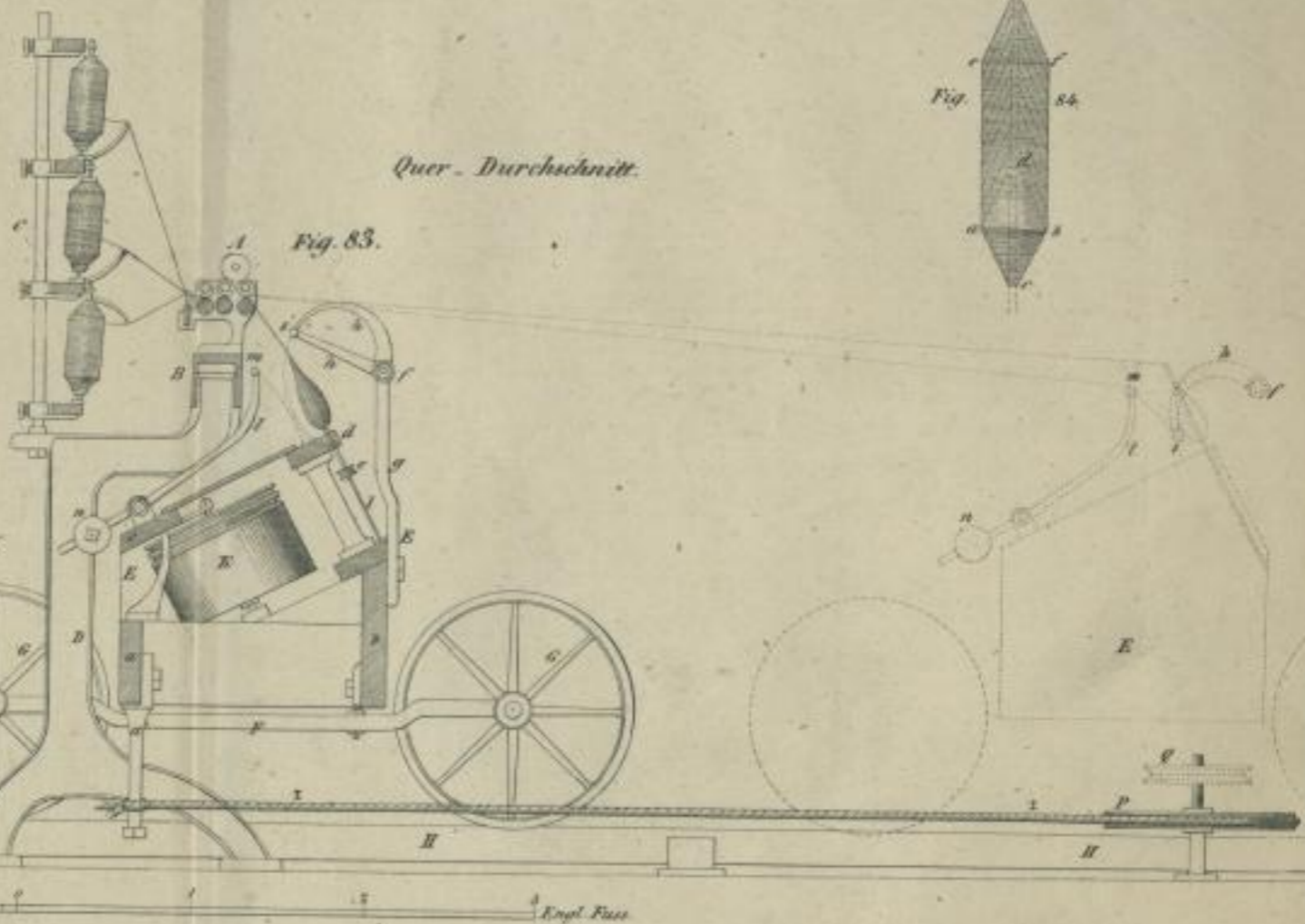
Ansicht von vorn.



Mule - Spinn - Maschine.

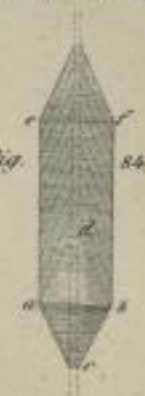
Quer - Durchschnitt.

Fig. 83.



Garnwickel.

Fig. 84.









## Mule-Spinn-Maschine.

Fig 65.

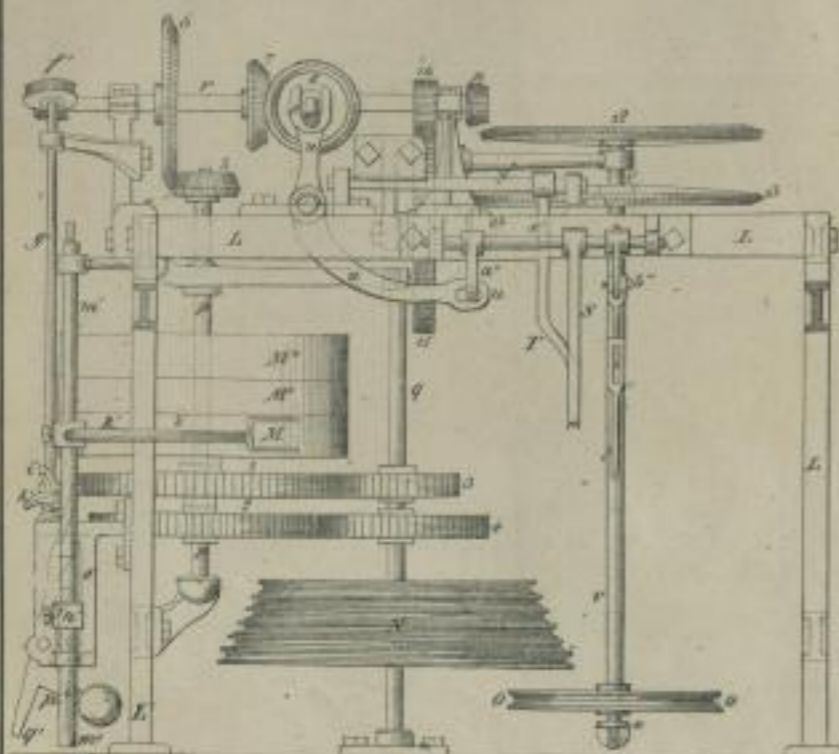


Fig 66.

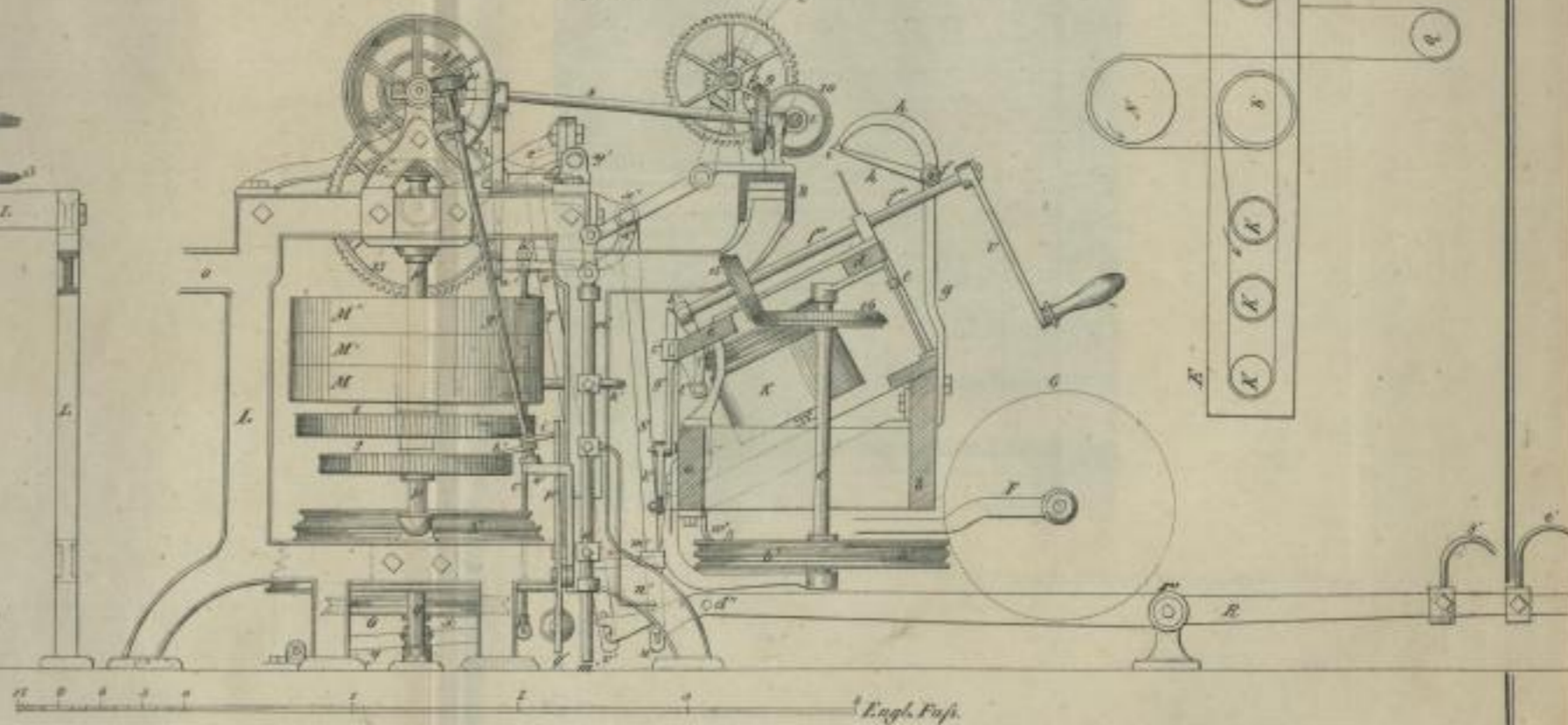
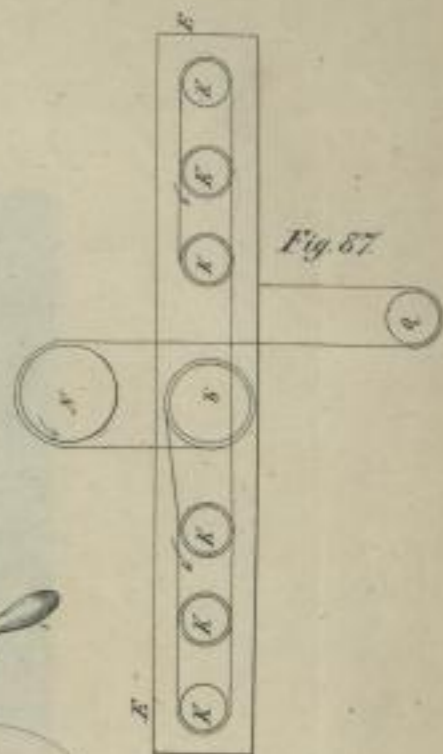


Fig 67.



Engl. Fuß.



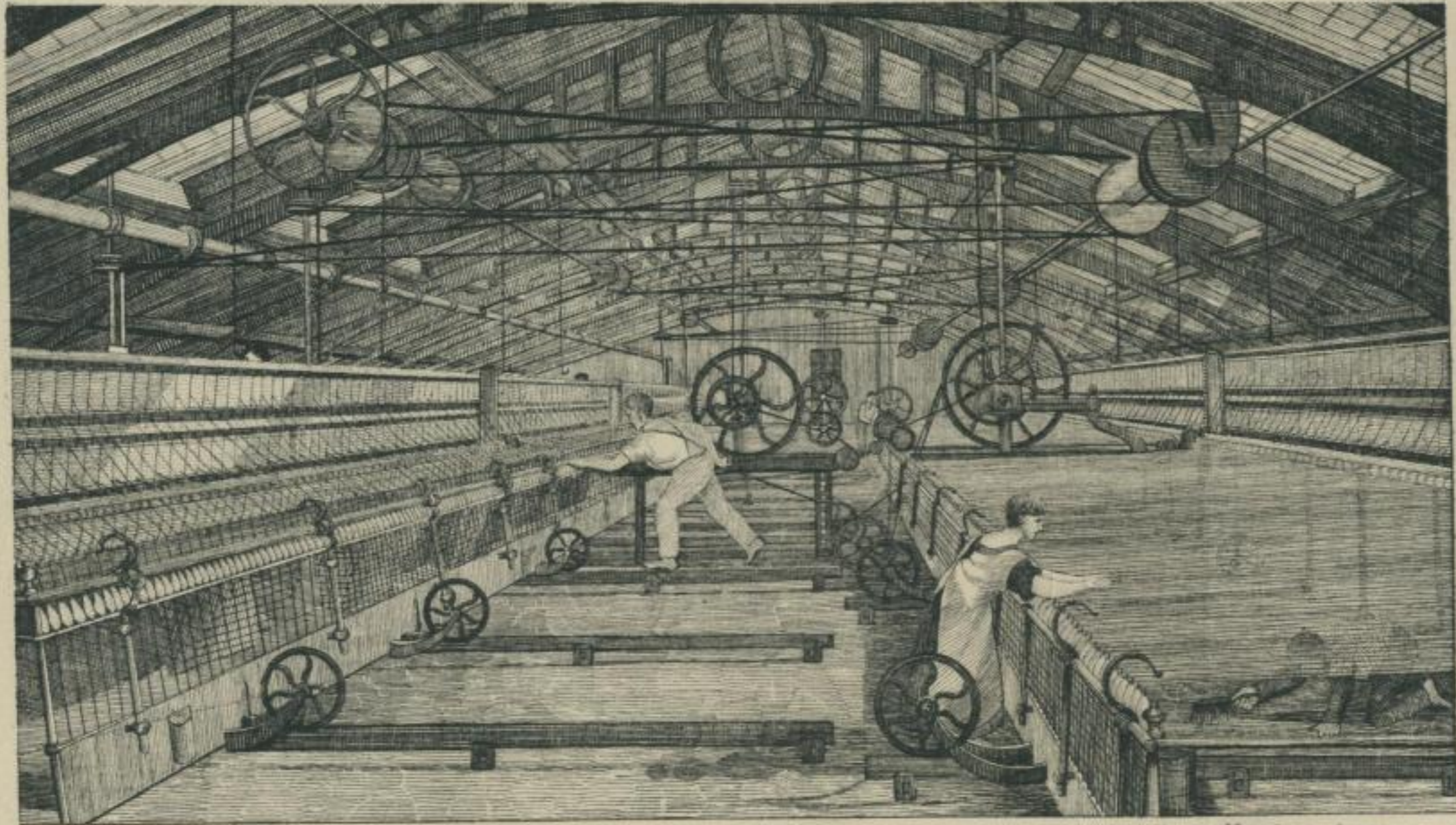


Fig. 88. Mule-Spinn-Saal.

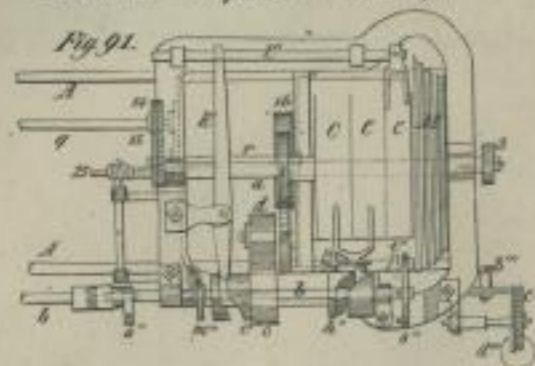




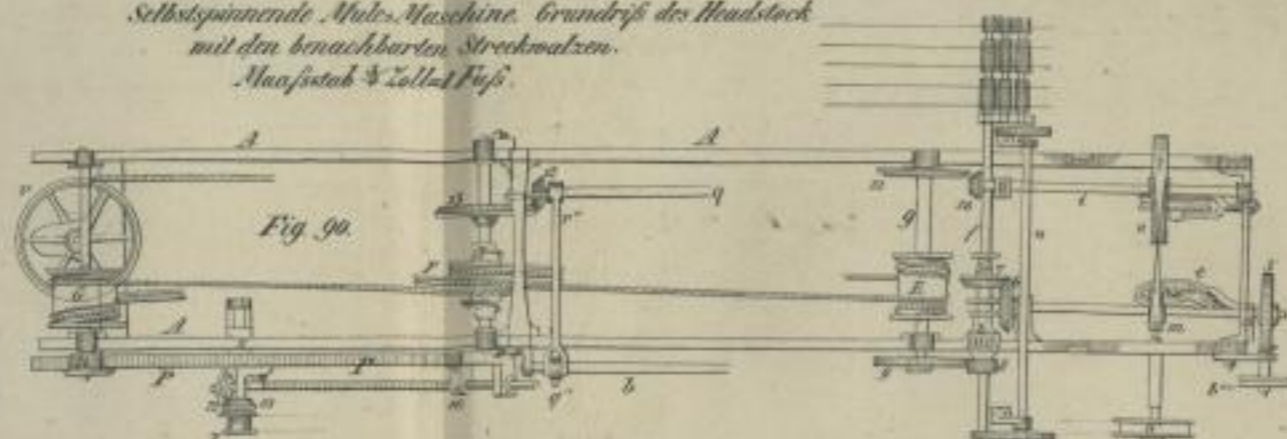




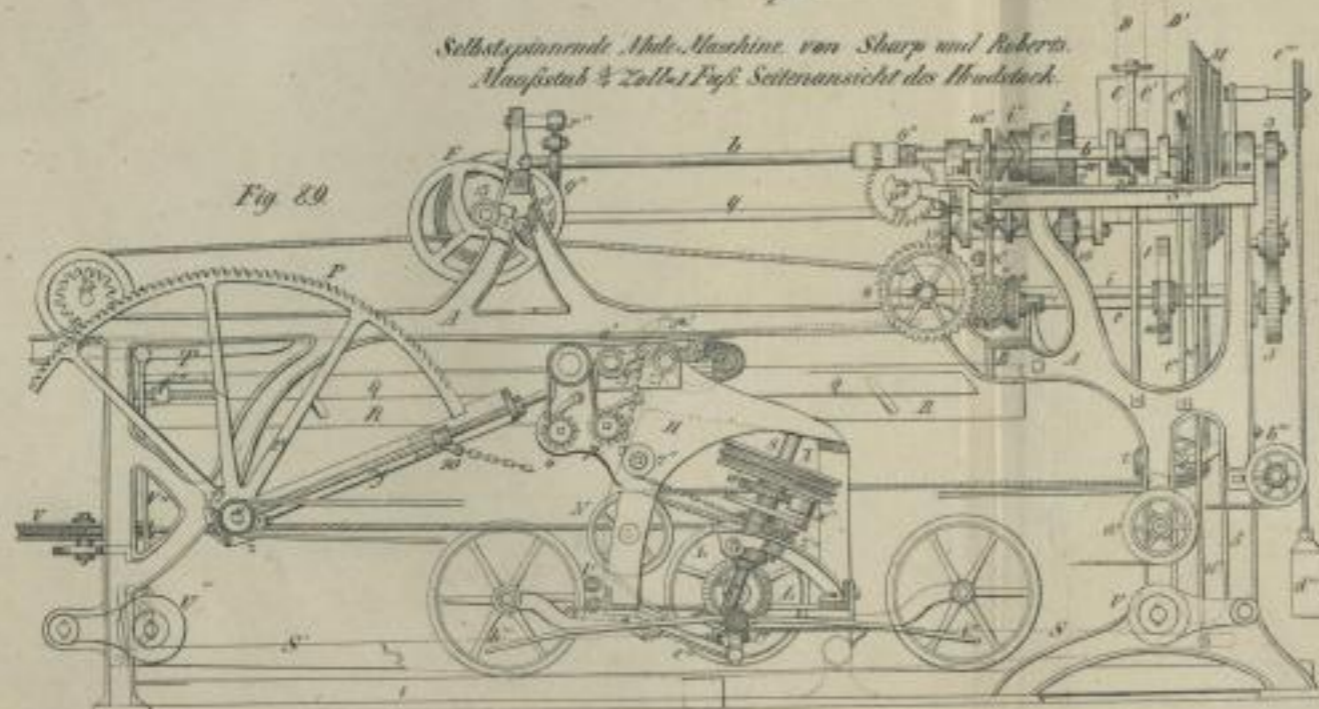
Selbstspinnende Mule-Maschine.  
Grundriß von dem obern Theil des  
Heubstock. Maßstab  $\frac{1}{2}$  Zoll = 1 Fuß.



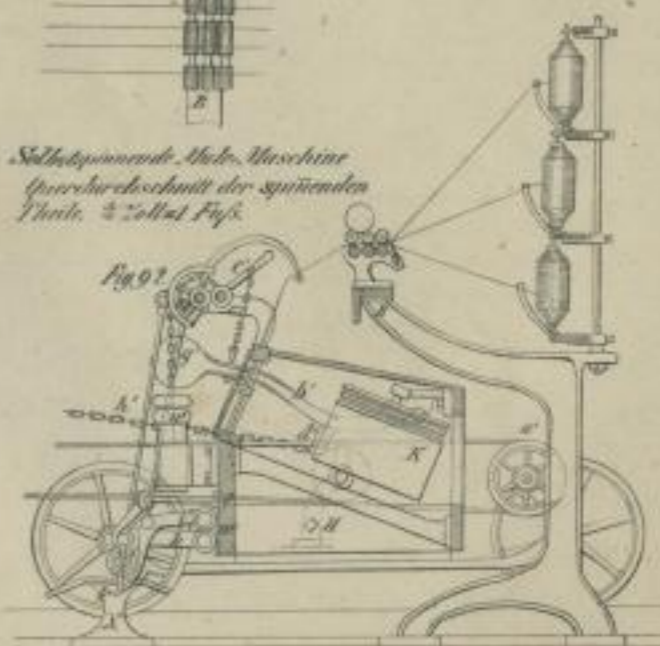
Selbstspinnende Mule-Maschine. Grundriß des Heubstock  
mit den benachbarten Streckwalzen.  
Maßstab  $\frac{1}{2}$  Zoll = 1 Fuß.



Selbstspinnende Mule-Maschine von Sharp und Roberts.  
Maßstab  $\frac{1}{2}$  Zoll = 1 Fuß. Seitenansicht des Heubstock.



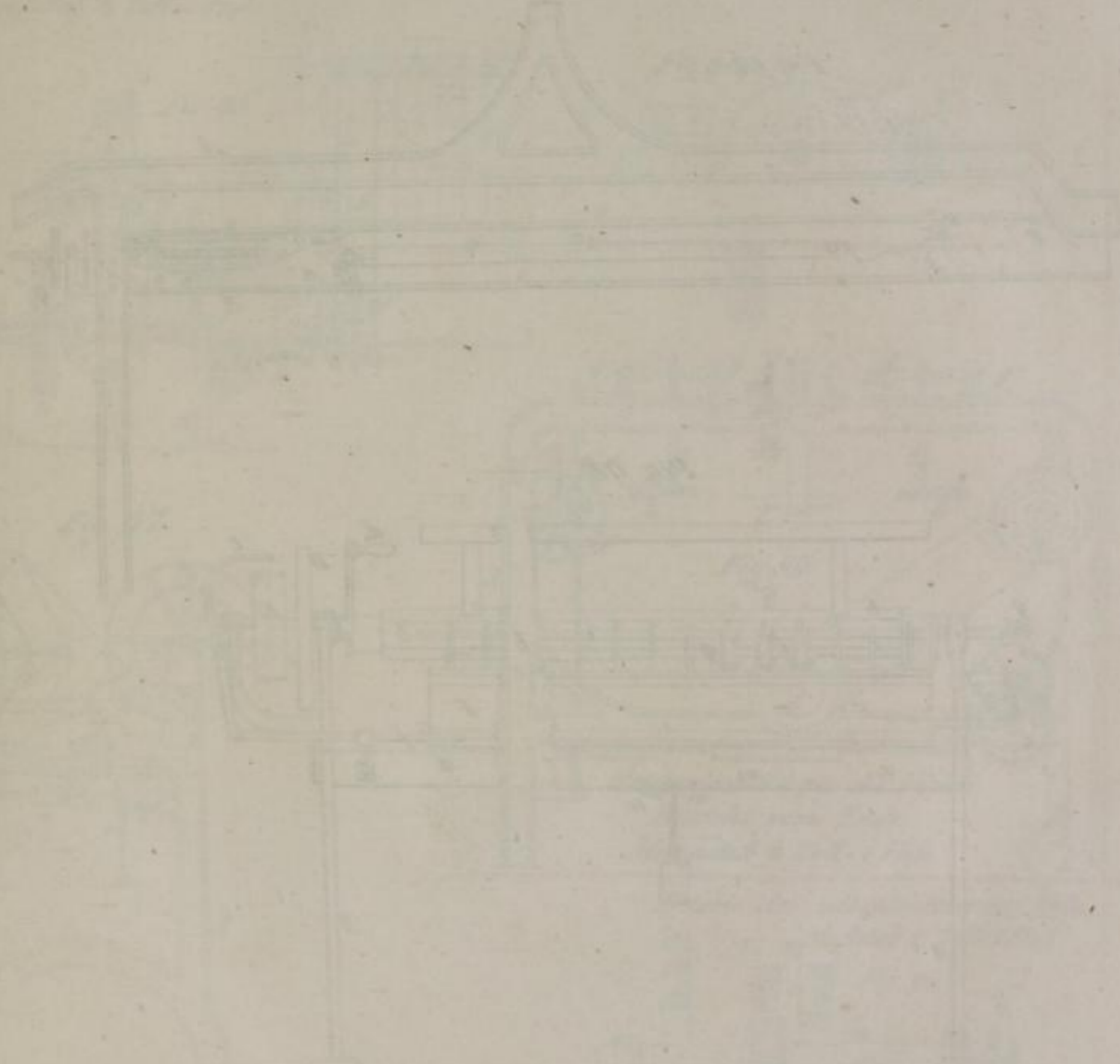
Selbstspinnende Mule-Maschine  
Querschnitt der spinnenden  
Theile. Maßstab  $\frac{1}{2}$  Zoll = 1 Fuß.







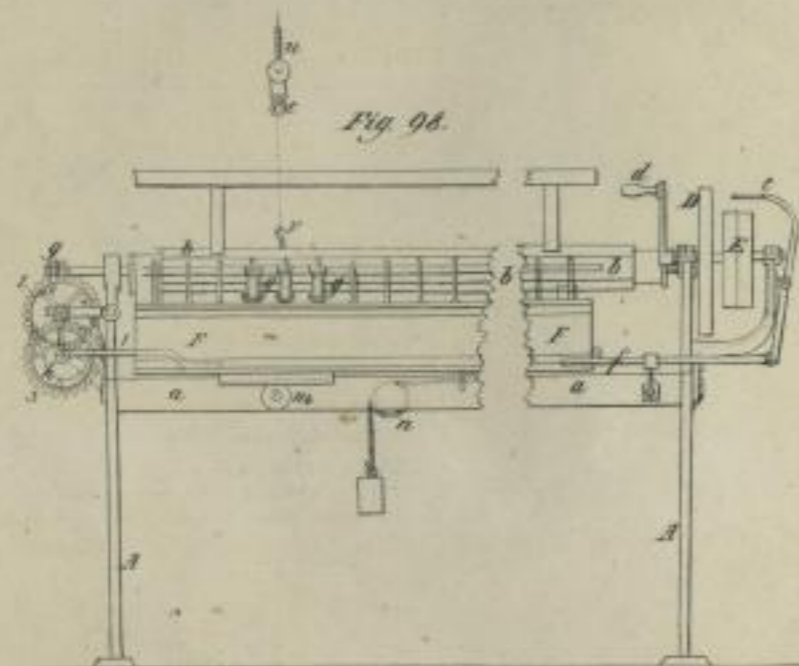
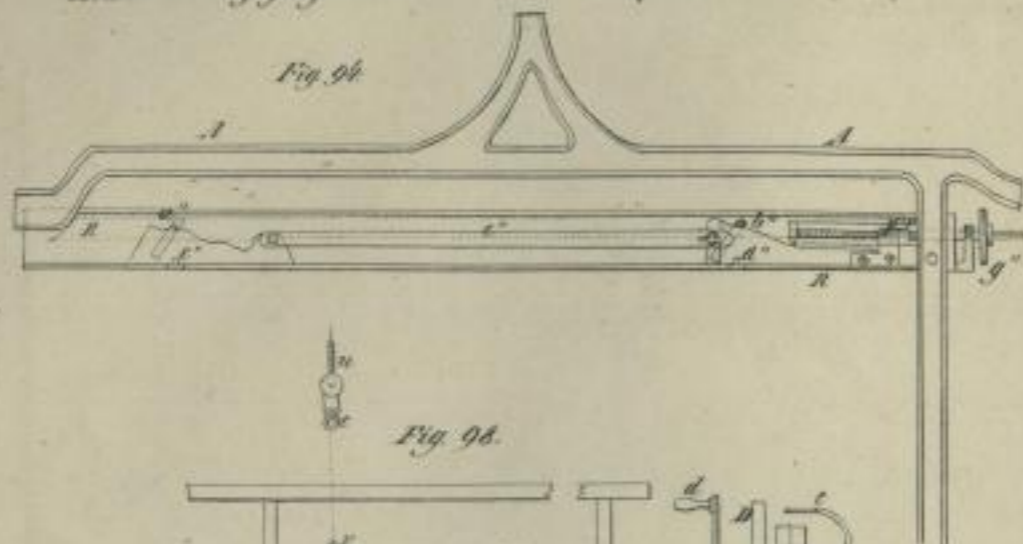
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Faint, illegible text at the bottom of the page, possibly bleed-through from the reverse side.

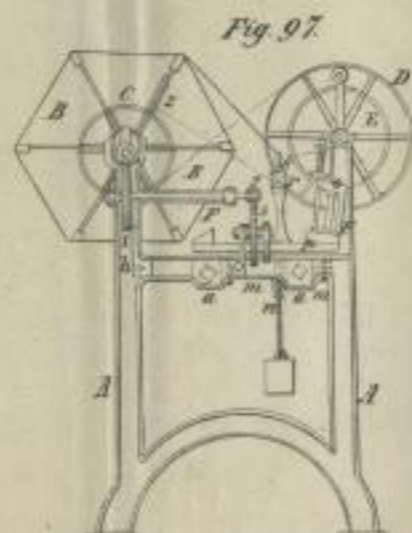
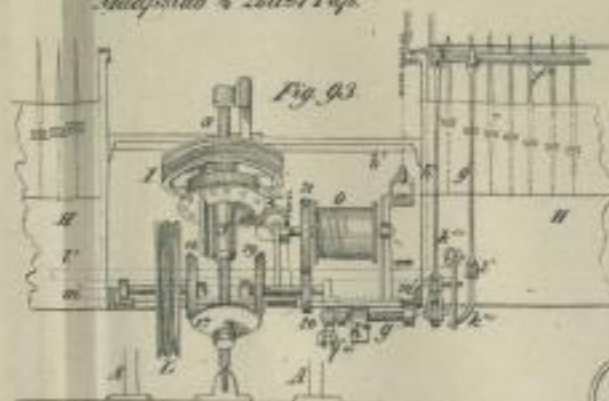


Gestell der selbstspinnenden Mulemaschine. Theil, welcher dem Heutuch entgegen gesetzt ist.  
Maafstab  $\frac{3}{4}$  Zoll = 1 Fuß.



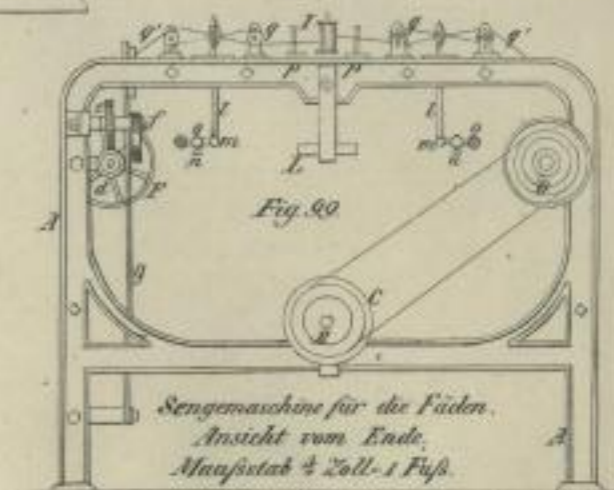
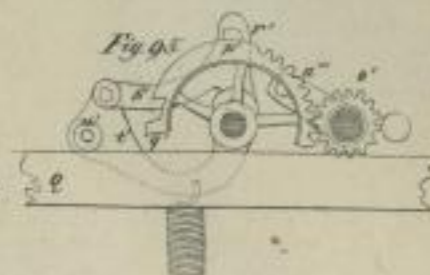
Mechanischer Haspel. Ansicht von vorn.  
Maafstab  $\frac{3}{4}$  Zoll = 1 Fuß.

Selbstspinnende Mule. Vordere Ansicht des mittlern Theils von dem Wagen.  
Maafstab  $\frac{3}{4}$  Zoll = 1 Fuß.

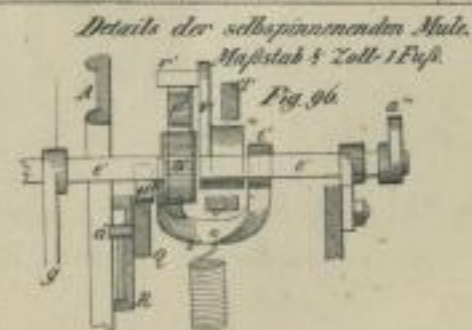


Mechanischer Haspel zum Aufwickeln und Zählen von Hanks. Ansicht von dem einen Ende.  
Maafstab  $\frac{3}{4}$  Zoll = 1 Fuß.

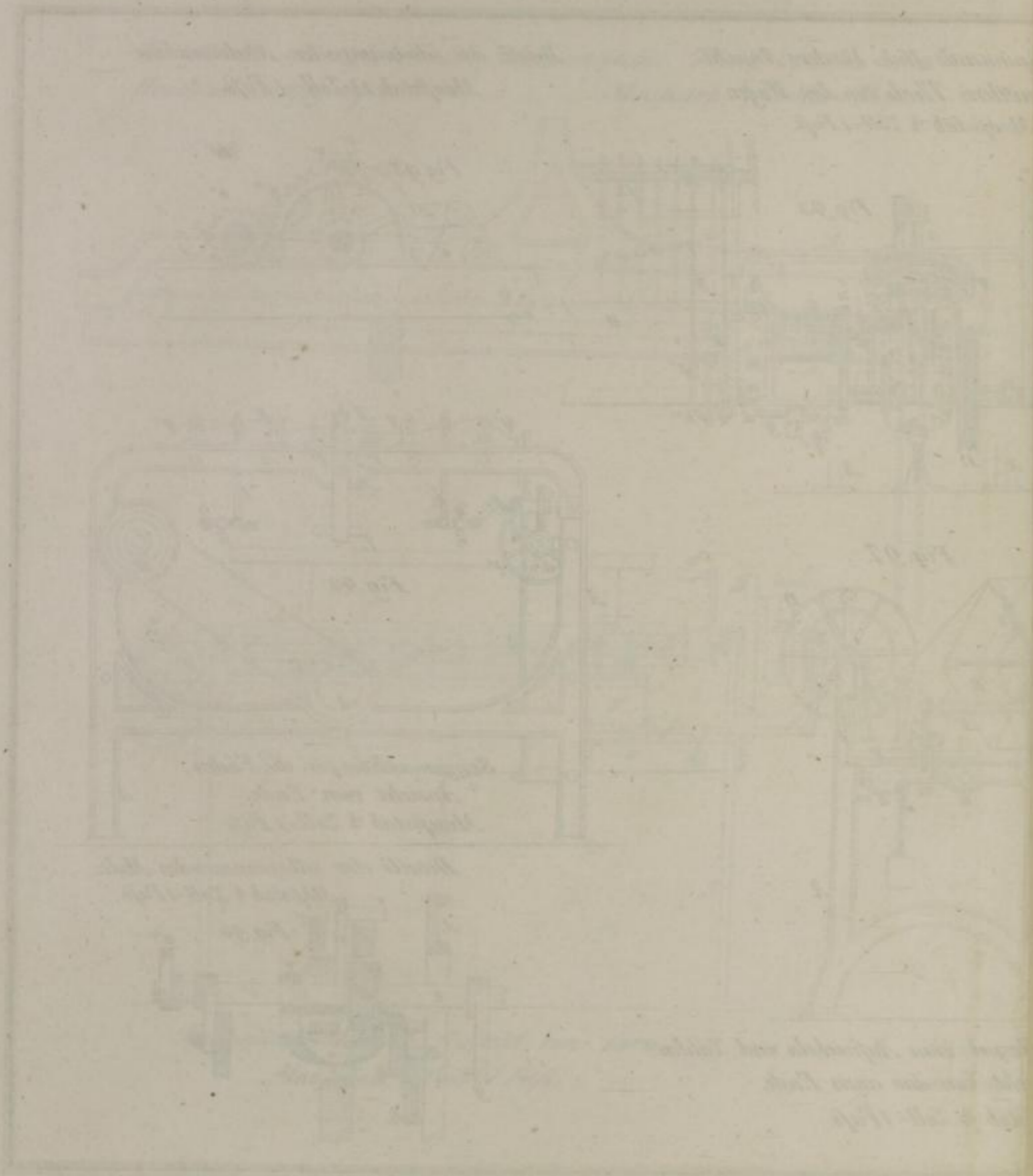
Detail der selbstspinnenden Mulemaschine.  
Maafstab  $1\frac{1}{2}$  Zoll = 1 Fuß.



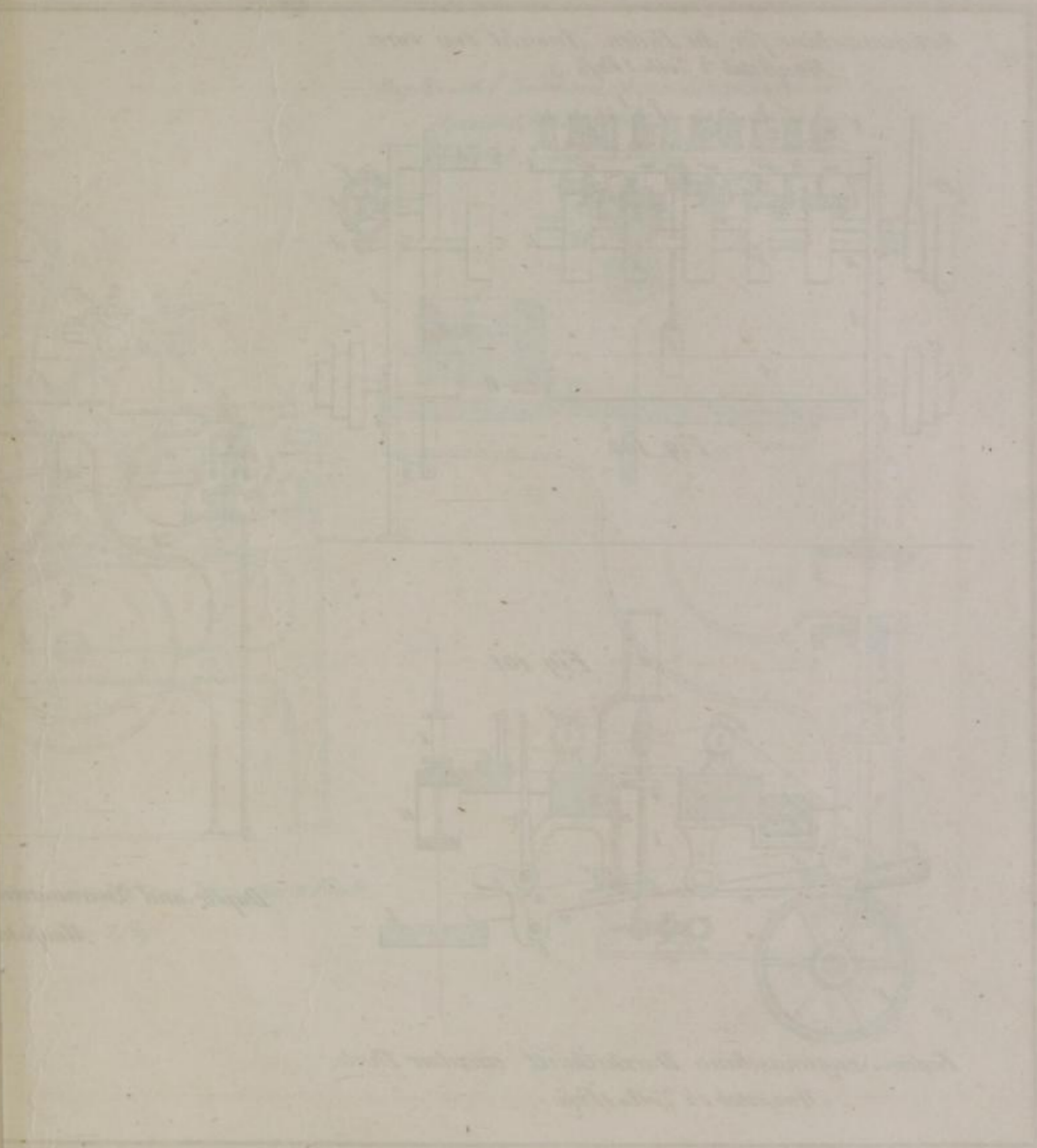
Sengemaschine für die Fäden.  
Ansicht vom Ende.  
Maafstab  $\frac{3}{4}$  Zoll = 1 Fuß.



Detail der selbstspinnenden Mule.  
Maafstab  $\frac{3}{4}$  Zoll = 1 Fuß.







*Sengemaschine für die Fäden. Ansicht von vorn.*  
*Maßstab  $\frac{1}{2}$  Zoll = 1 Fuß.*

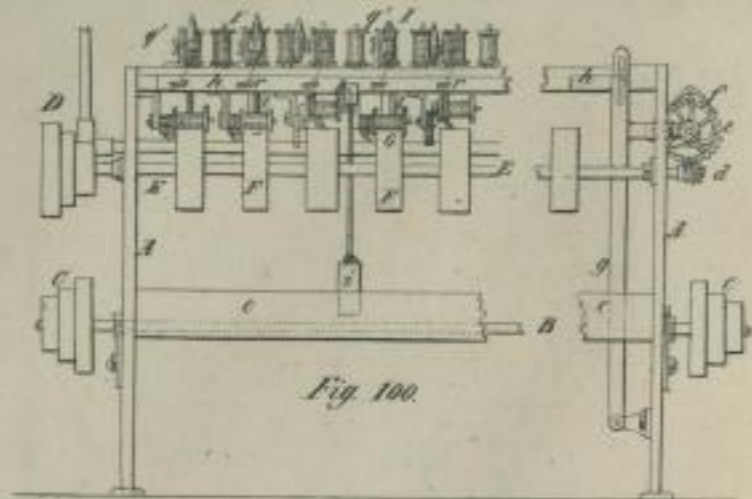
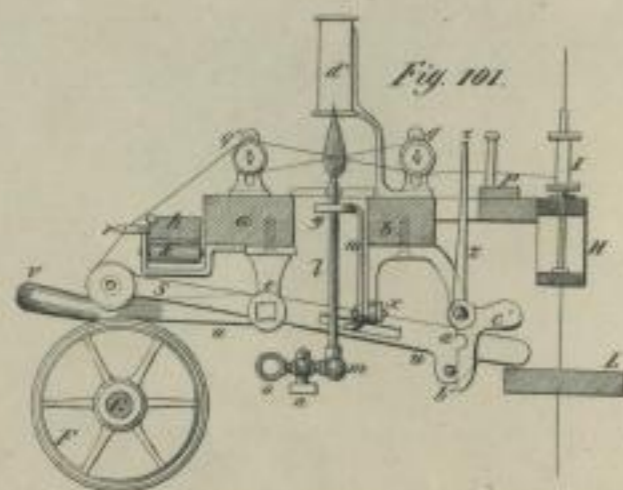
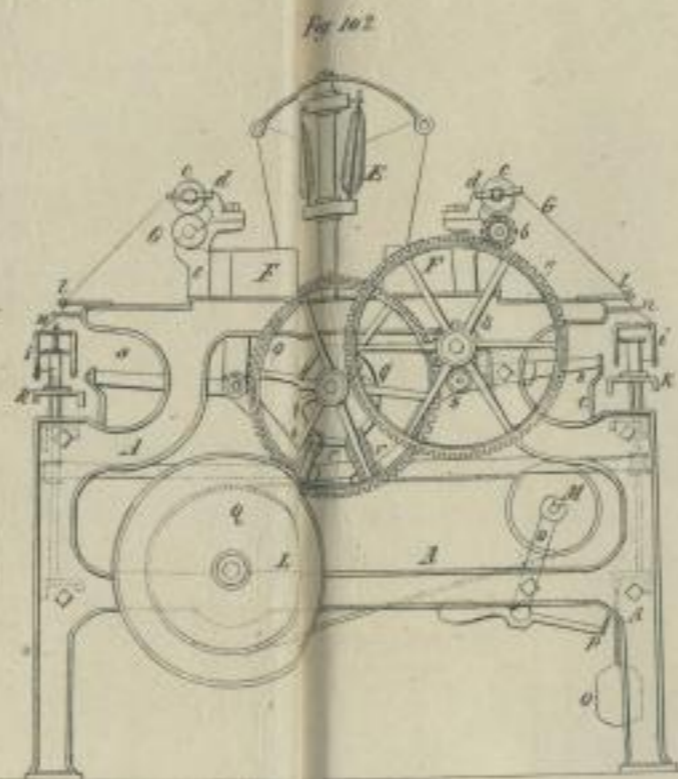


Fig. 100.



*Fäden-Sengemaschine. Durchschnitt einzelner Theile.*  
*Maßstab  $\frac{1}{4}$  Zoll = 1 Fuß.*



*Duplir- und Zwirnmachine. Ansicht von dem einen Ende.*  
*Maßstab 1 Zoll = 1 Fuß.*

*Duplir- und Zwirnmachine. Einzelheiten des*  
*Spindelmechanismus.*  
*Maßstab  $\frac{1}{2}$  Zoll = 1 Fuß.*

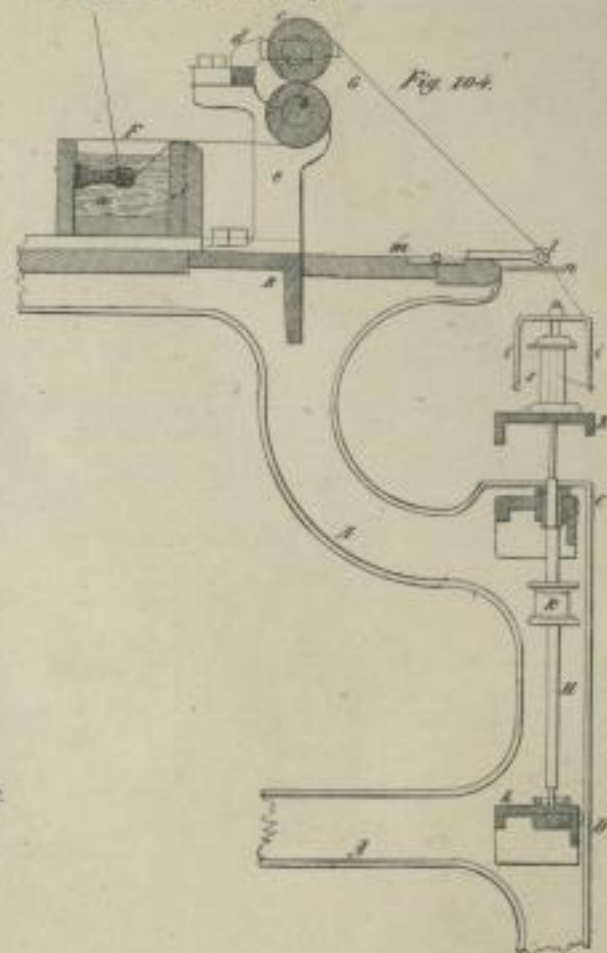
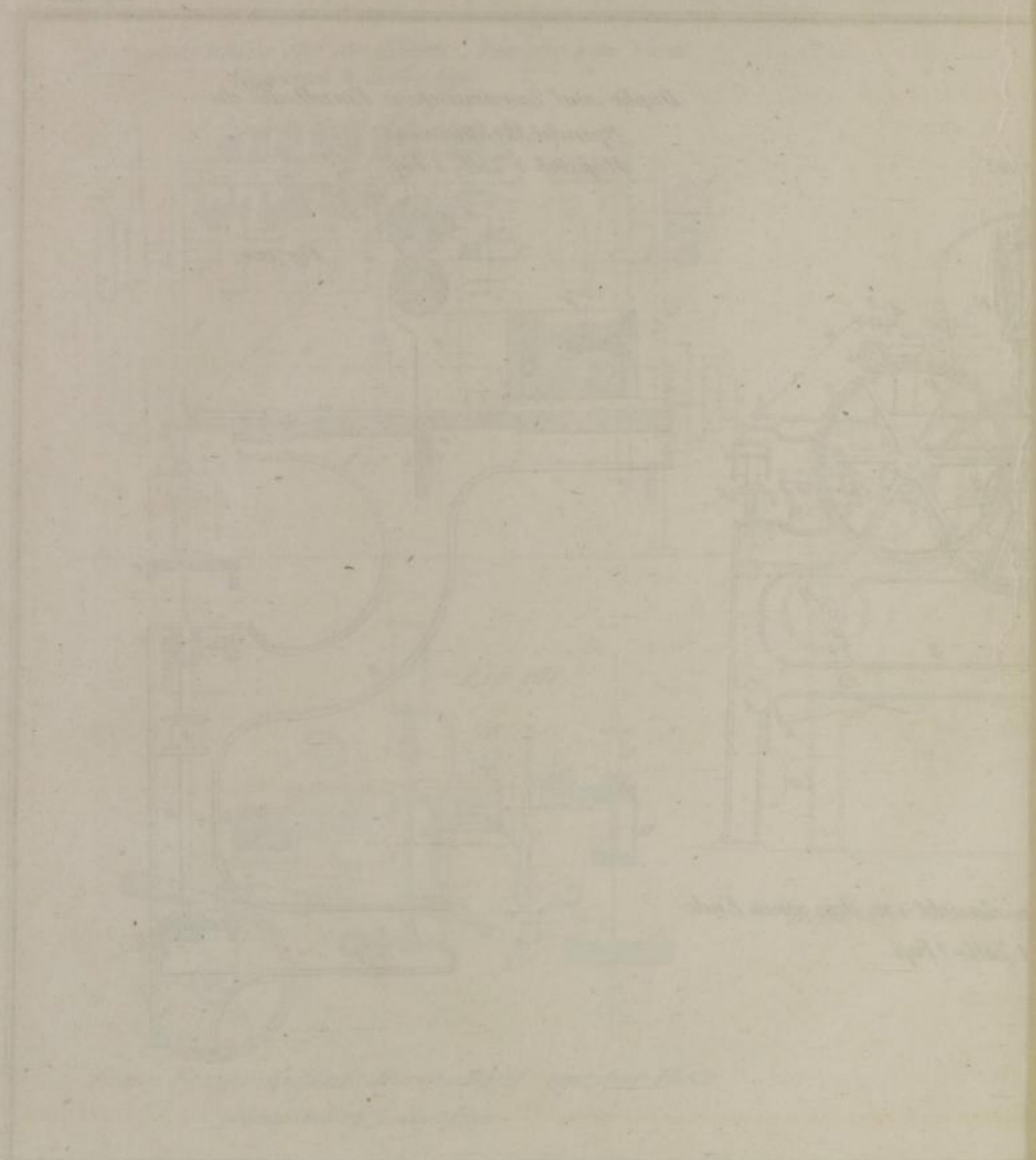


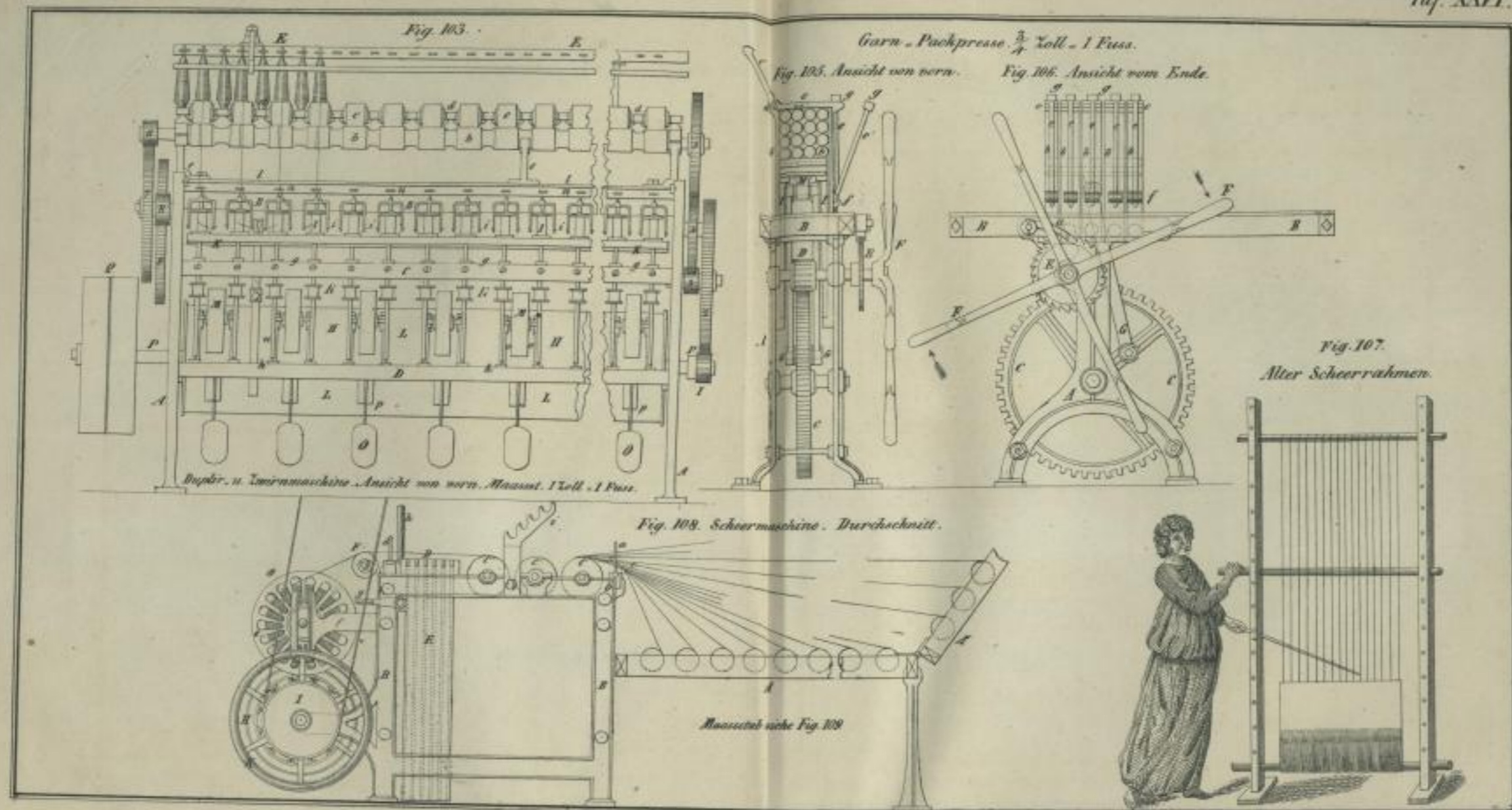
Fig. 103.

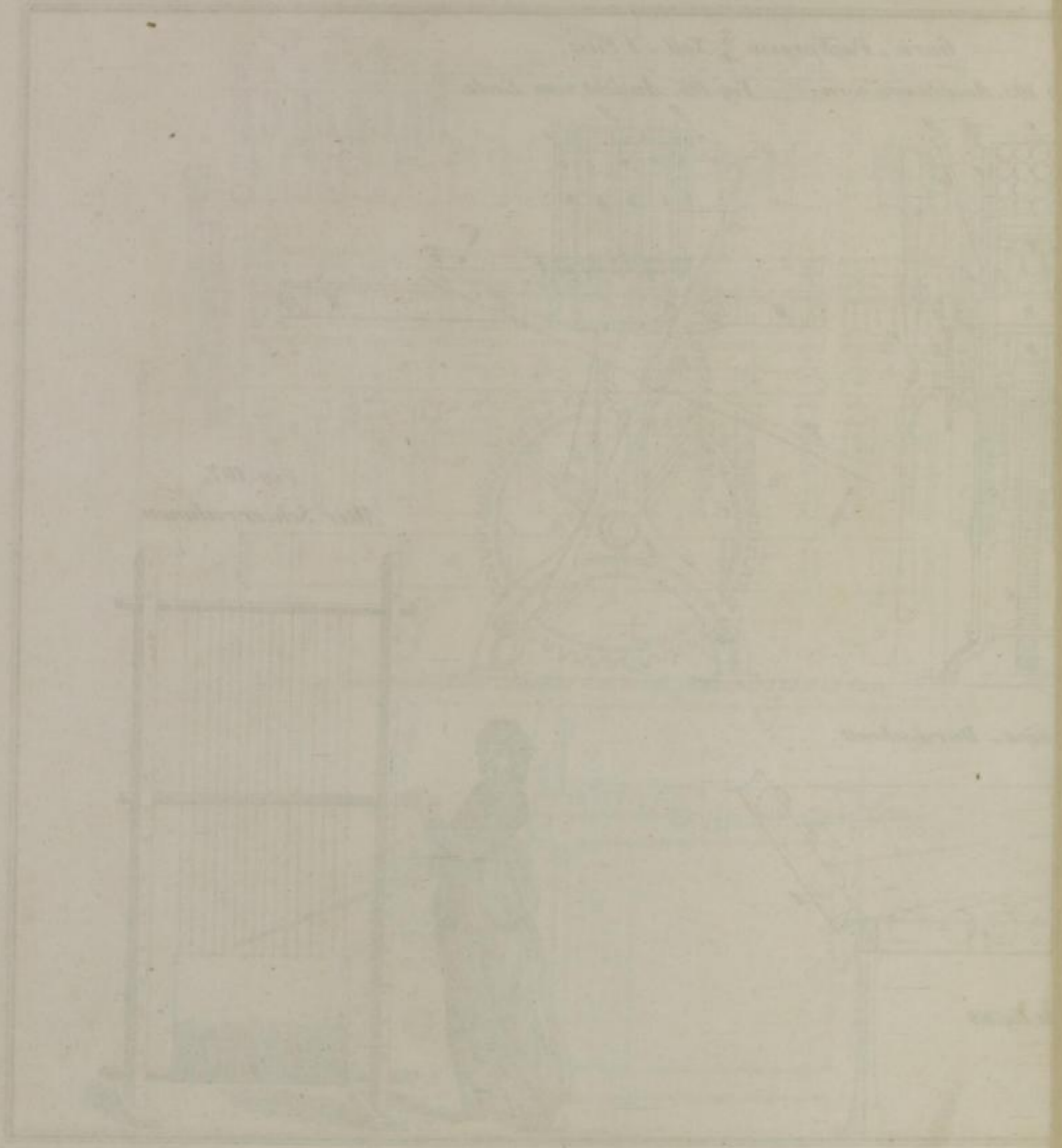




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Für die Schatzkammer, Dresden

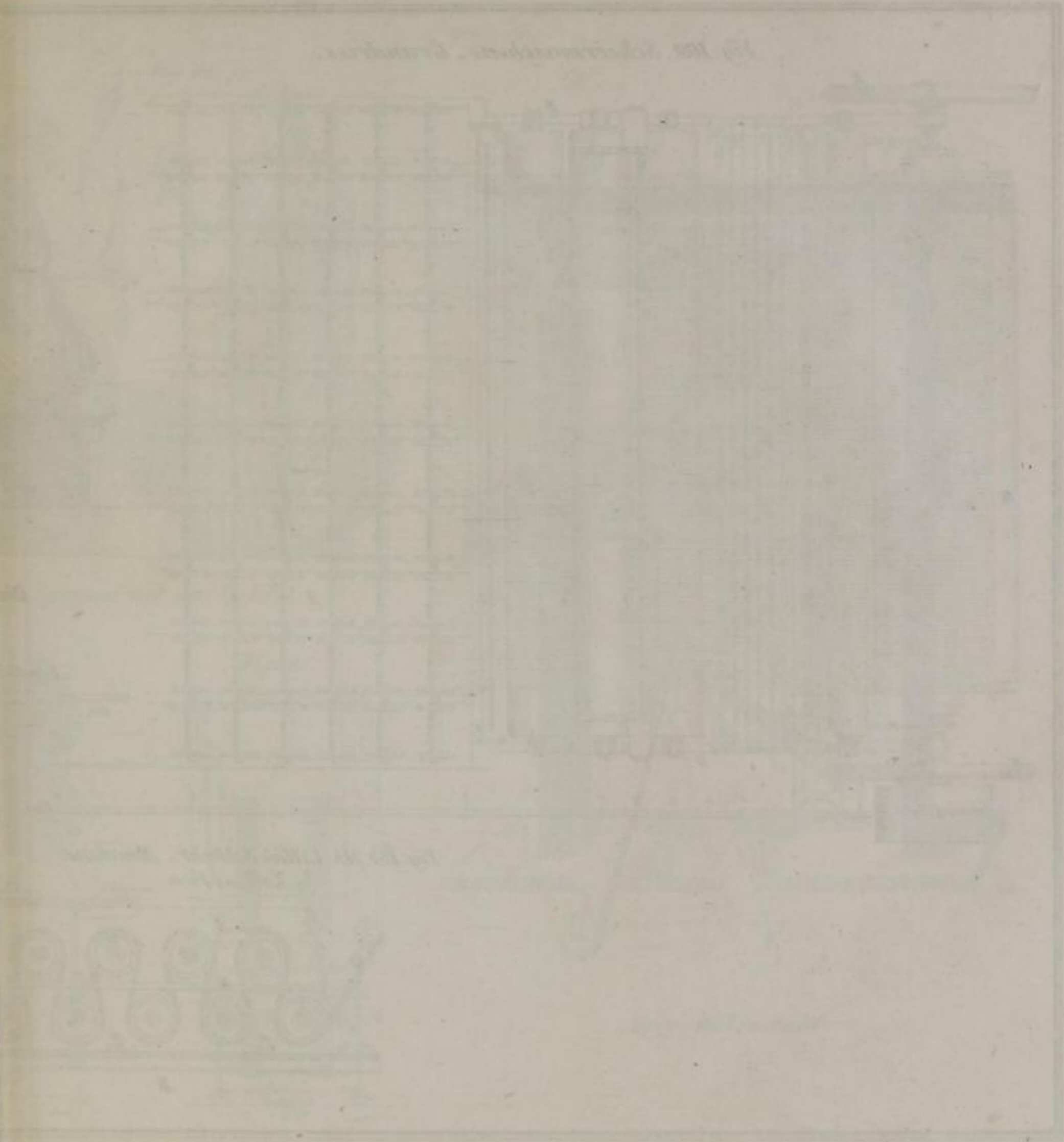
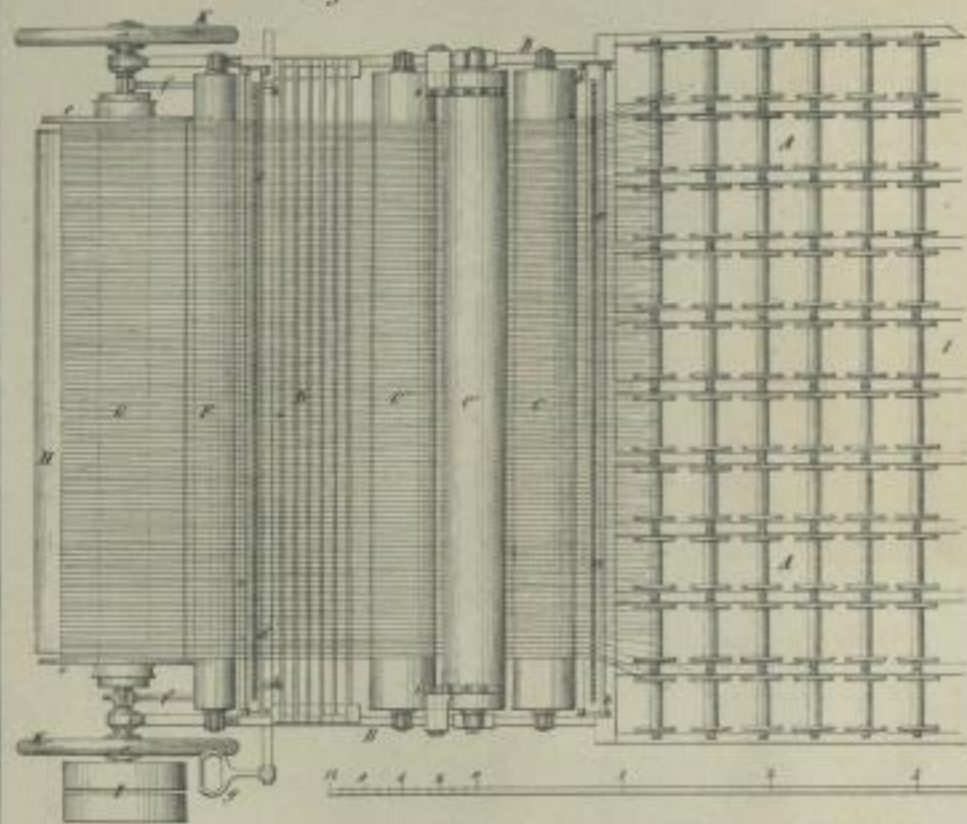
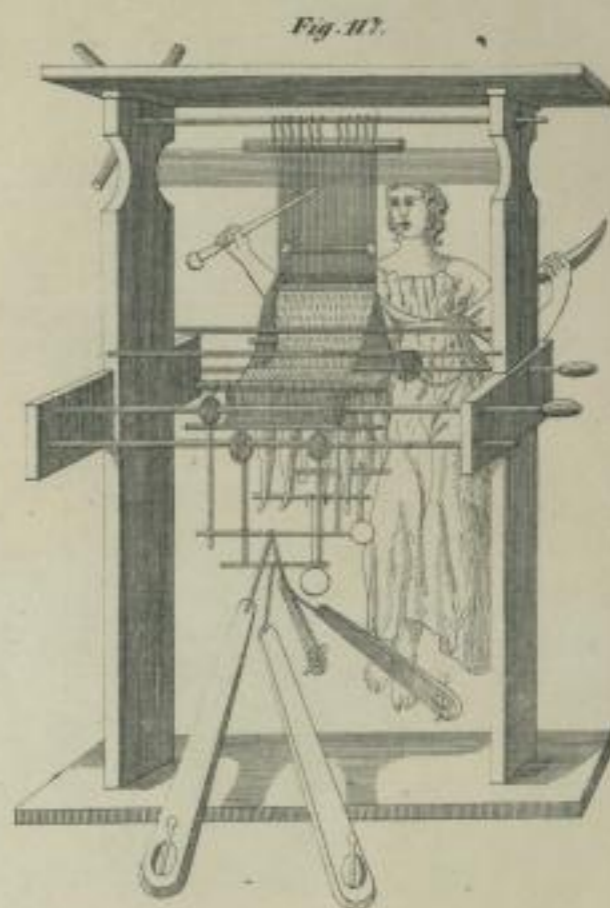


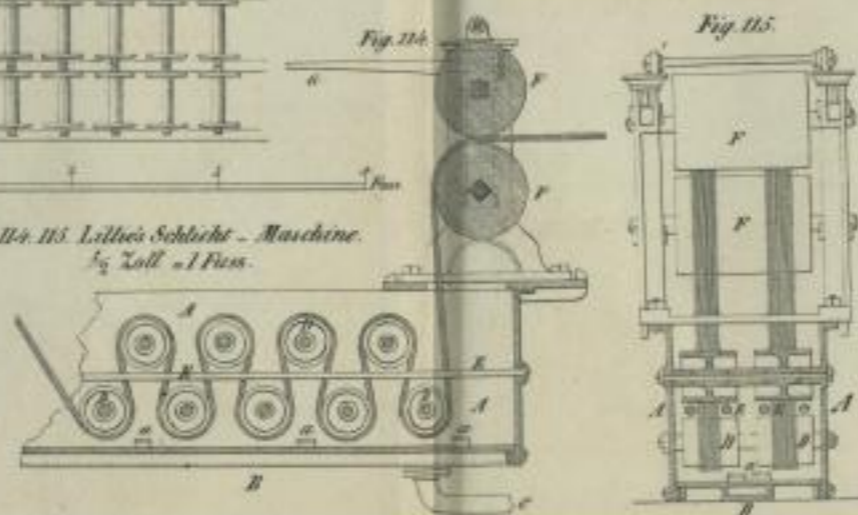
Fig. 109. Scheermaschine - Grundriss.



Das alte Spinnen mit der Spindel.



Alter Weberstuhl.

Fig. 114. 115. Lillie's Schlecht - Maschine.  
 $\frac{1}{2}$  Zoll = 1 Fuss.



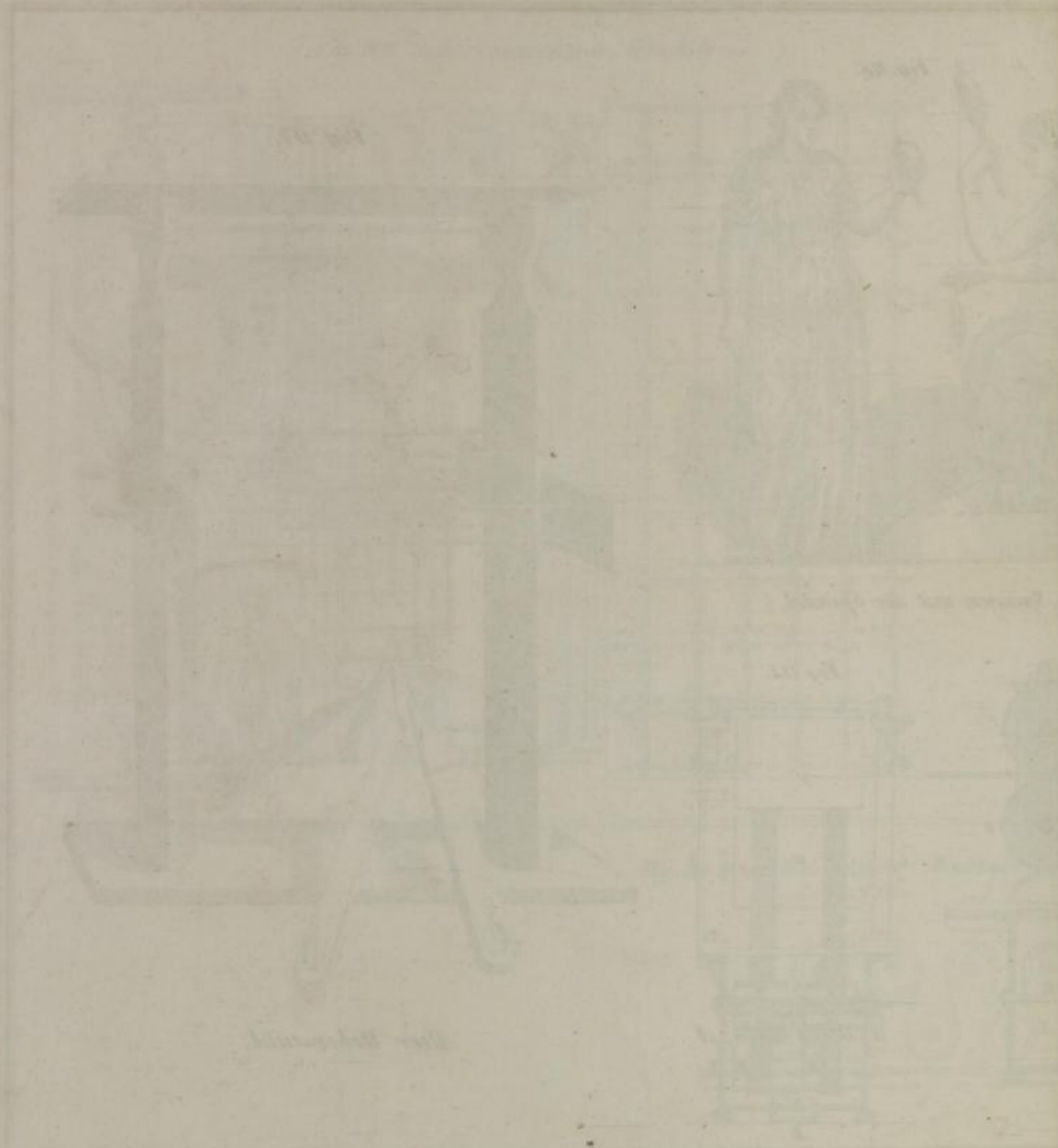






Fig. 111.



Fig. 112.

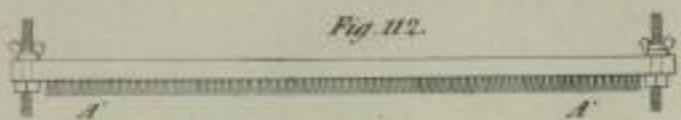
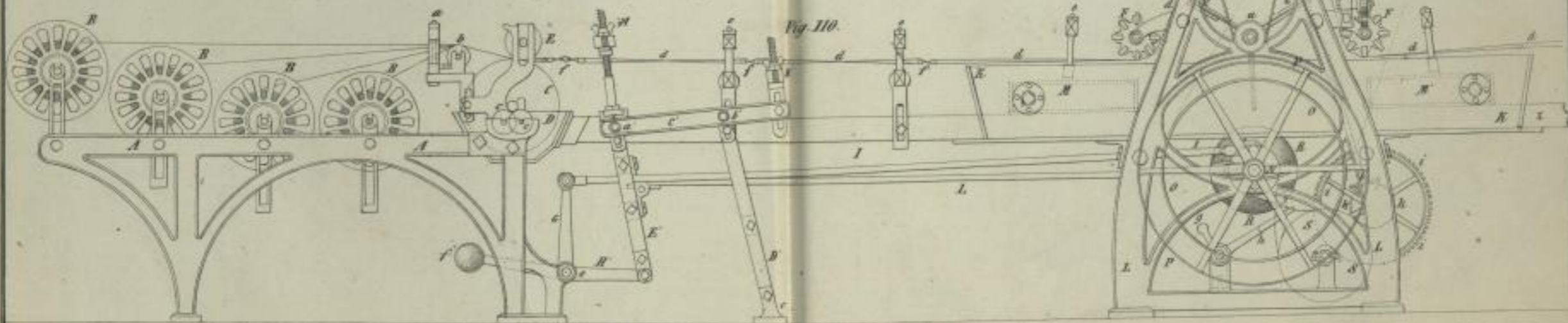


Fig. 113.



Längen-Ansicht.

Fig. 110.



Schlicht-Maschine. Dressing Maschine, engl. Maschine à Parer, fr.

1771

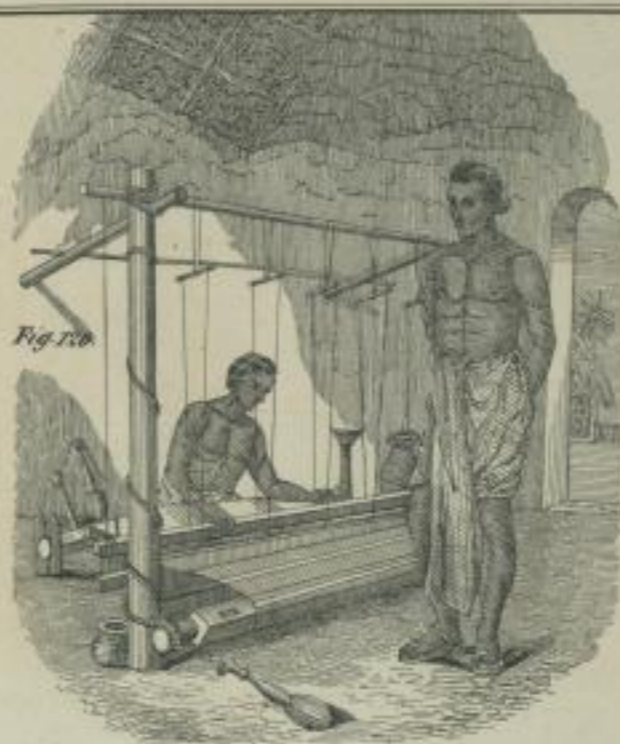




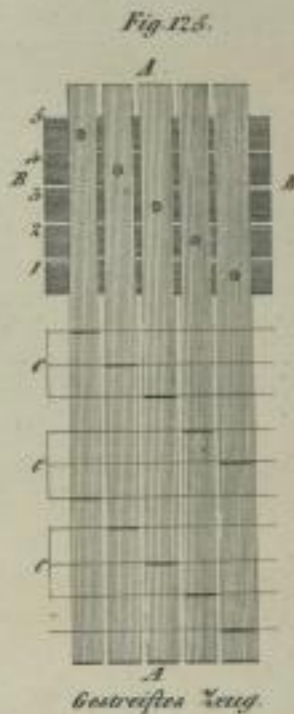
Fig. 118.  
Deutscher Weber aus dem 16. Jahrhundert.



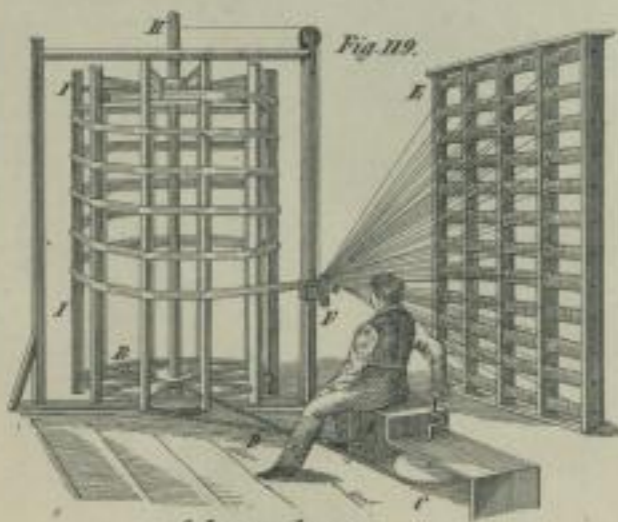
Gewöhnlicher Webstuhl mit dem  
Schnellschützen.



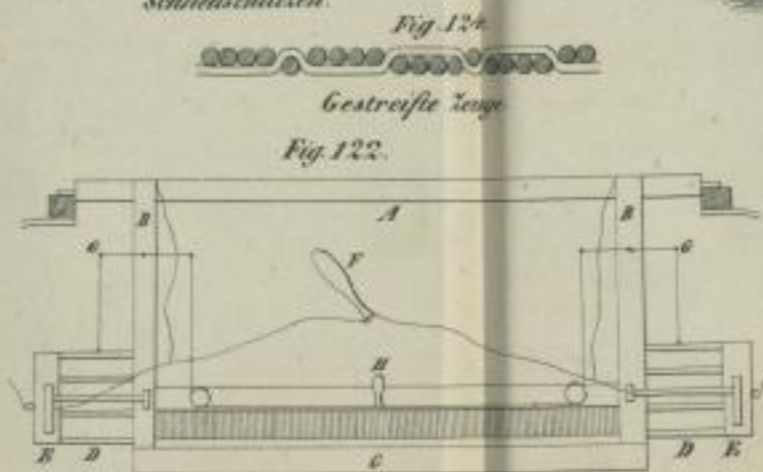
Indischer Weber.



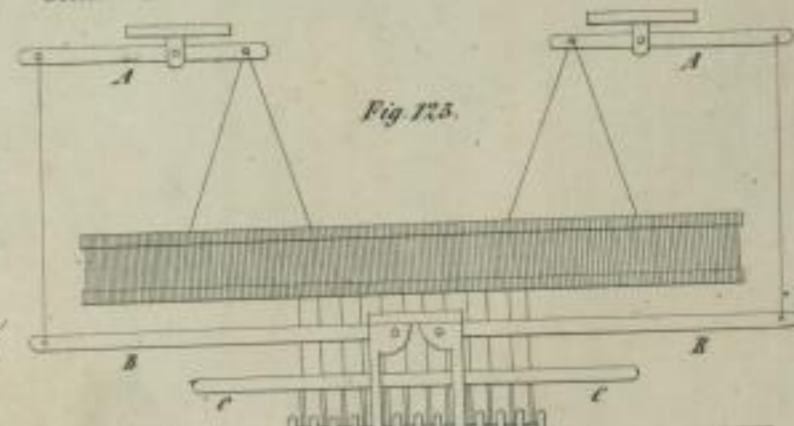
Gestreifte Zeug.



Scheerrahmen

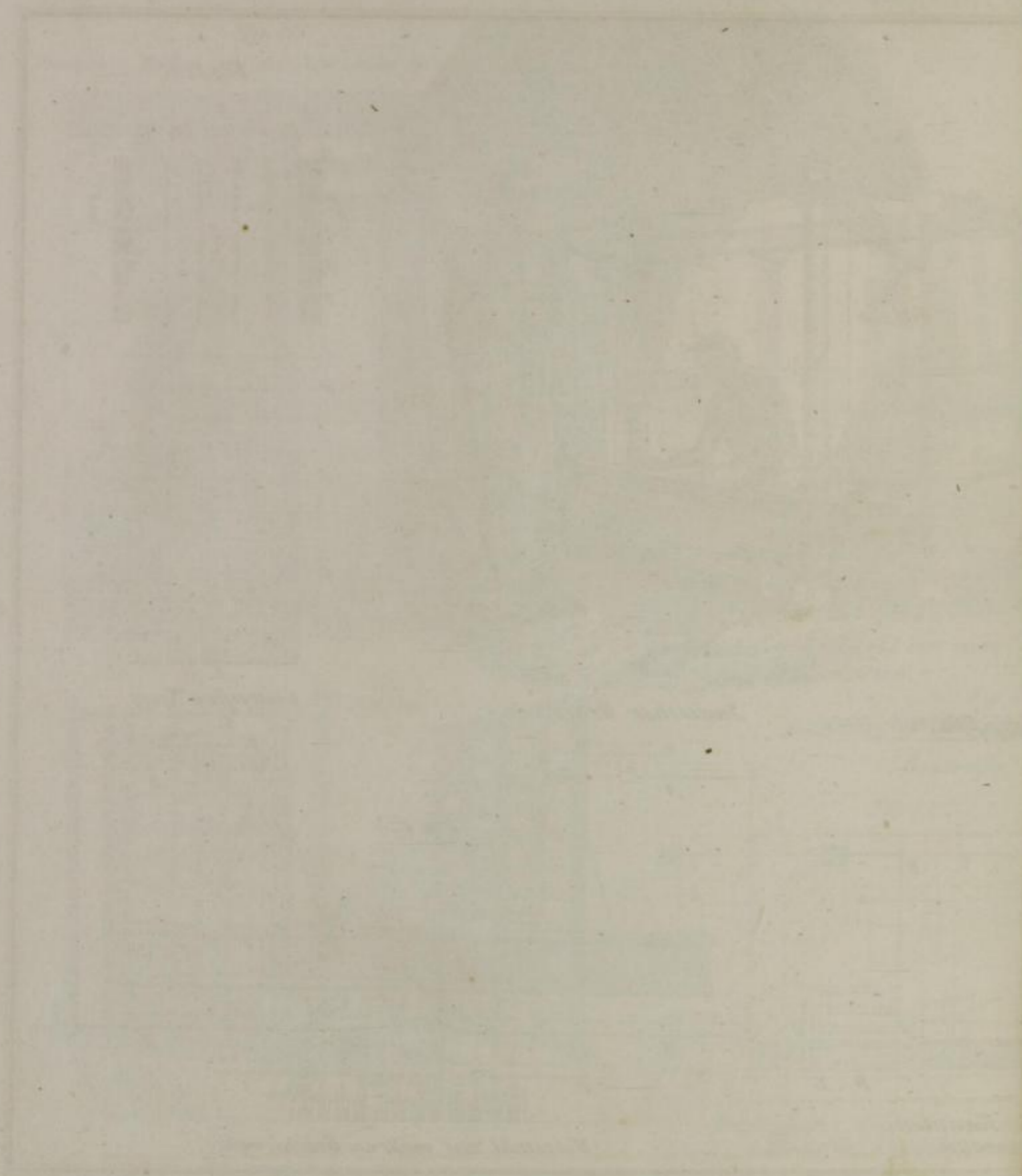


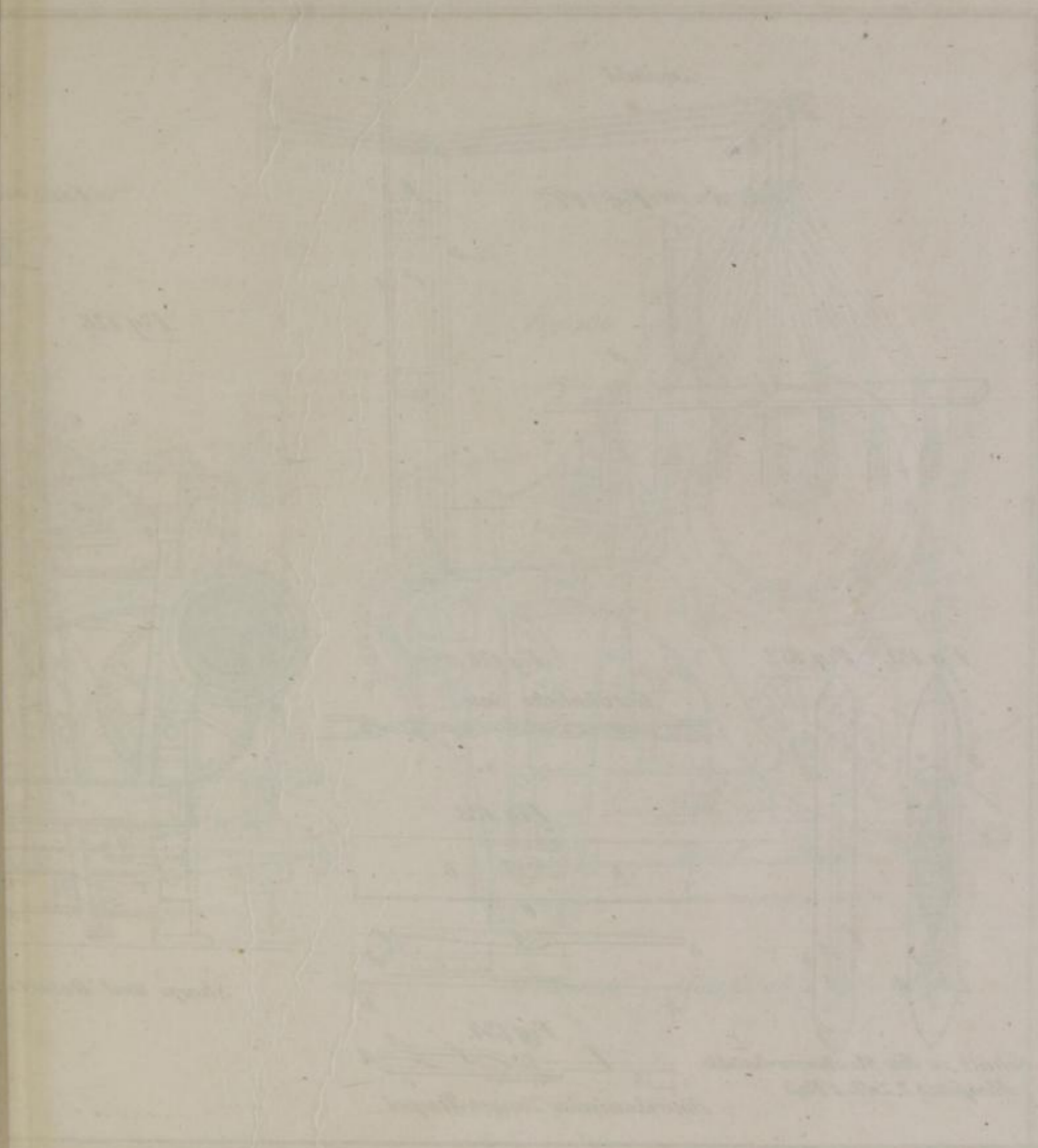
Schnellschütz-Apparat mit mehrern Kanälen  
(Movable Shuttle-box Apparatus.)



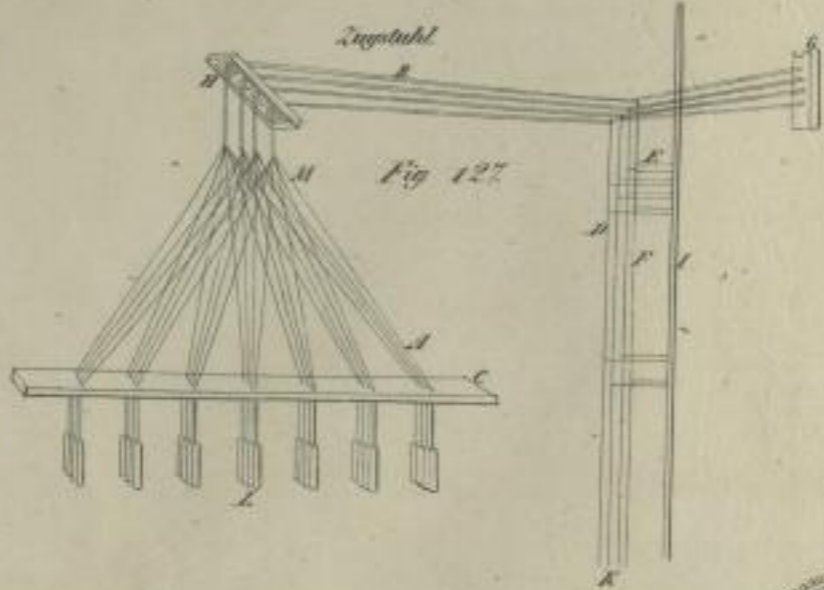
Webstuhl mit mehrern Geschirren.





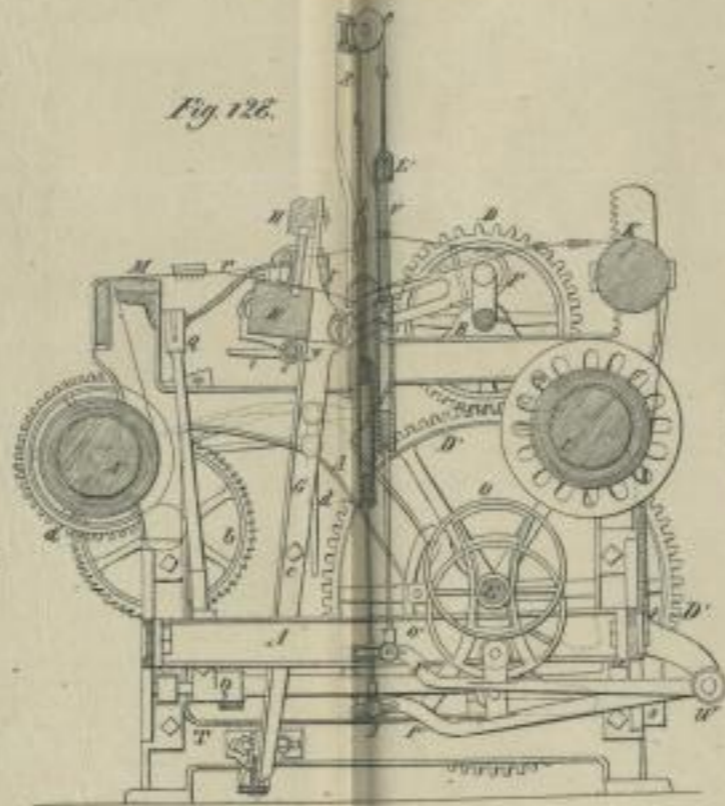






Erste Seiten-Ansicht

Fig. 126



Zweite Seiten-Ansicht

Fig. 130

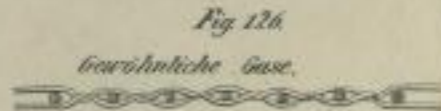
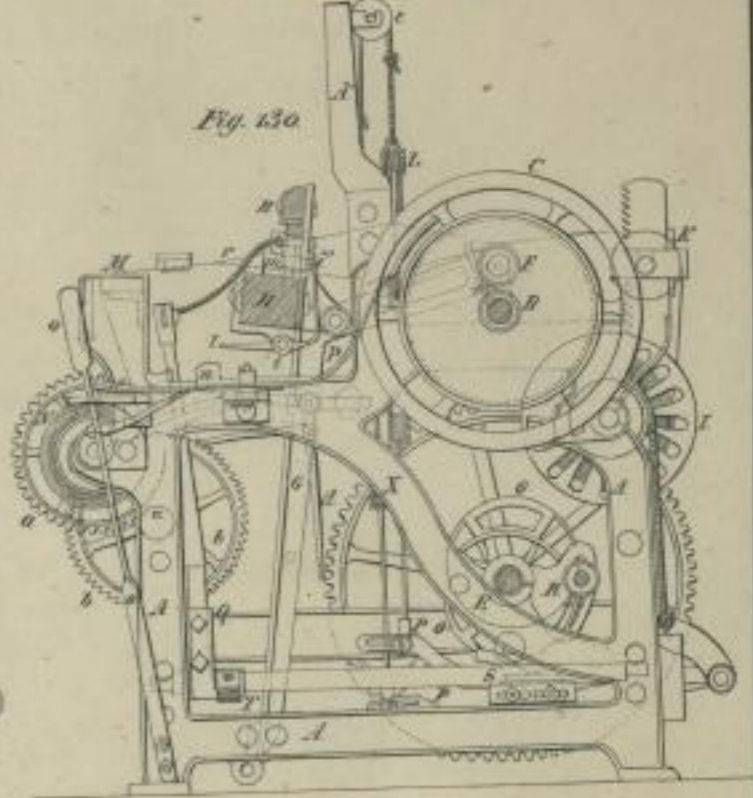


Fig. 128

Gewöhnliche Gasse.

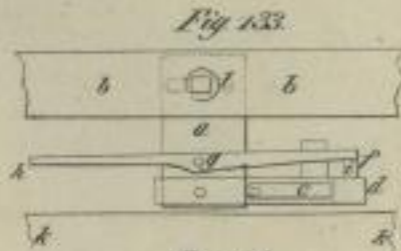


Fig. 133

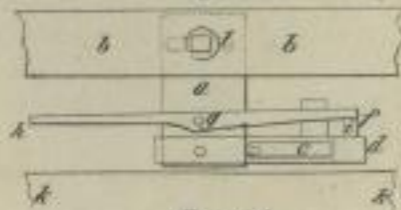


Fig. 134

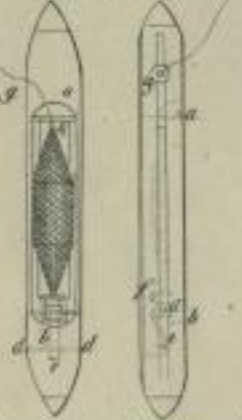


Amerikanischer Zangen Tempel

Sharp und Roberts Maschinen.

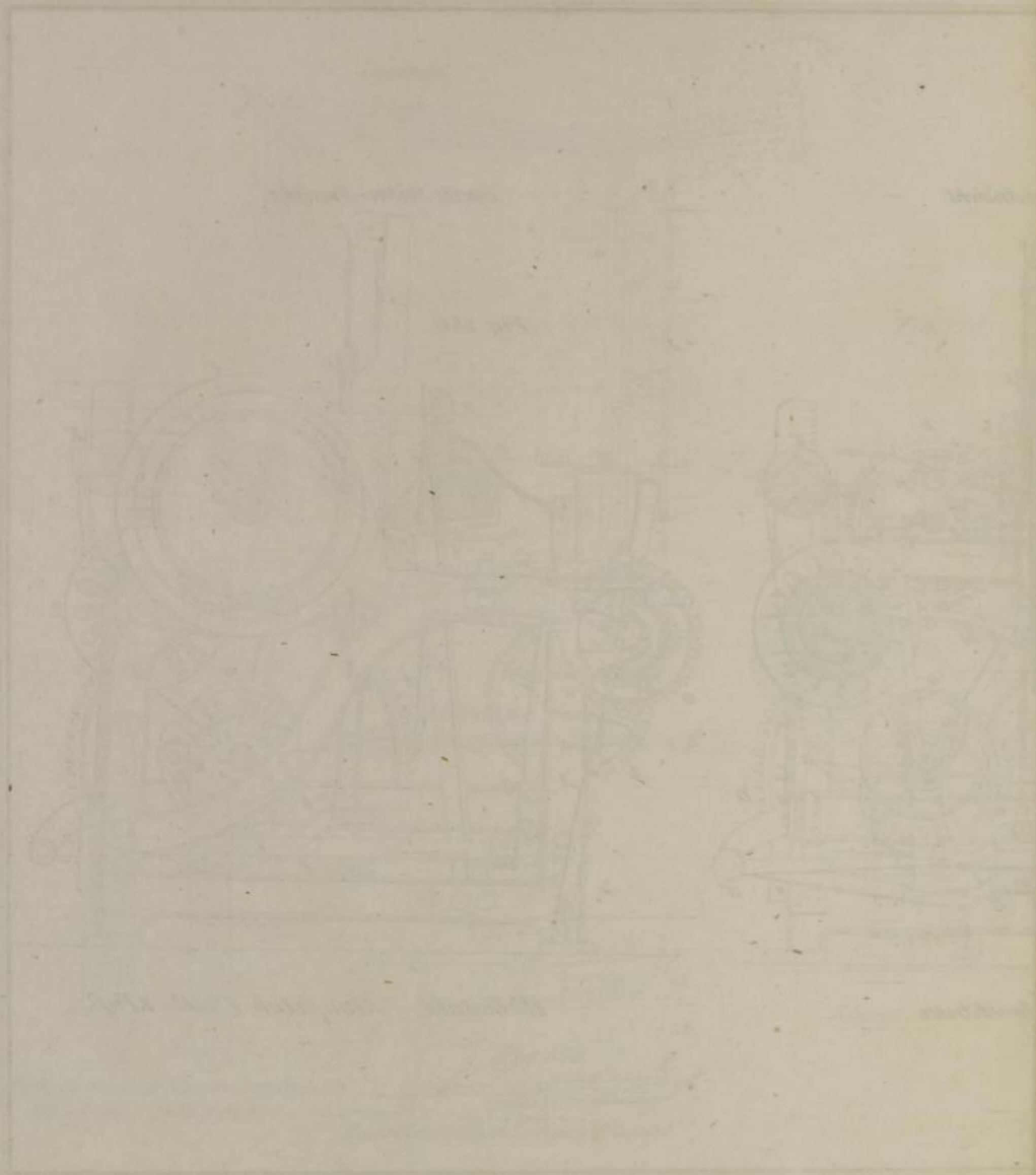
Webstuhl. Maßstab 1 Zoll = 1 Fuß

Fig. 131, Fig. 132

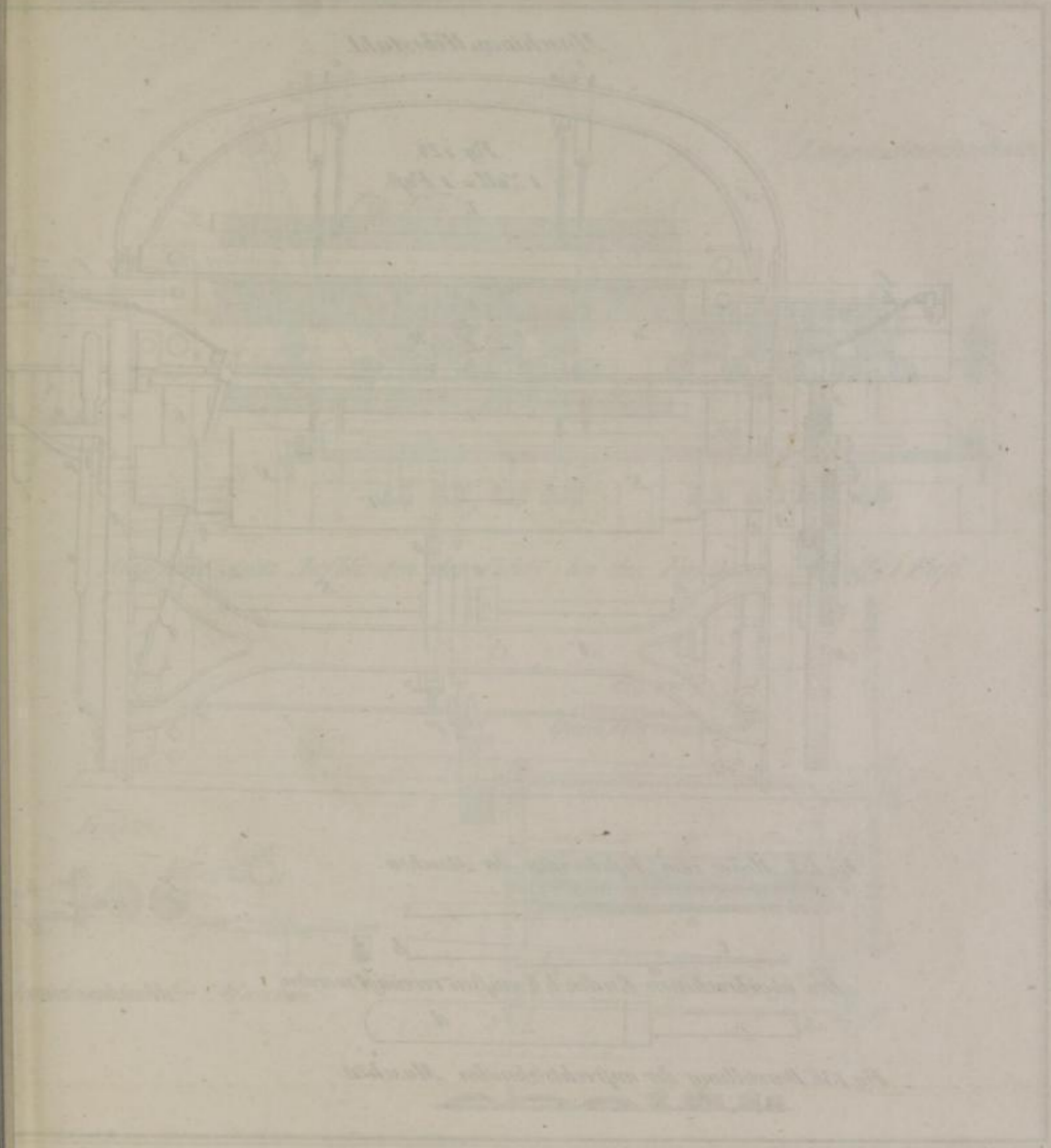


Schutz zu dem Maschinenwebstuhl Maßstab 2 Zoll = 1 Fuß

1711







Maschinen-Webstuhl

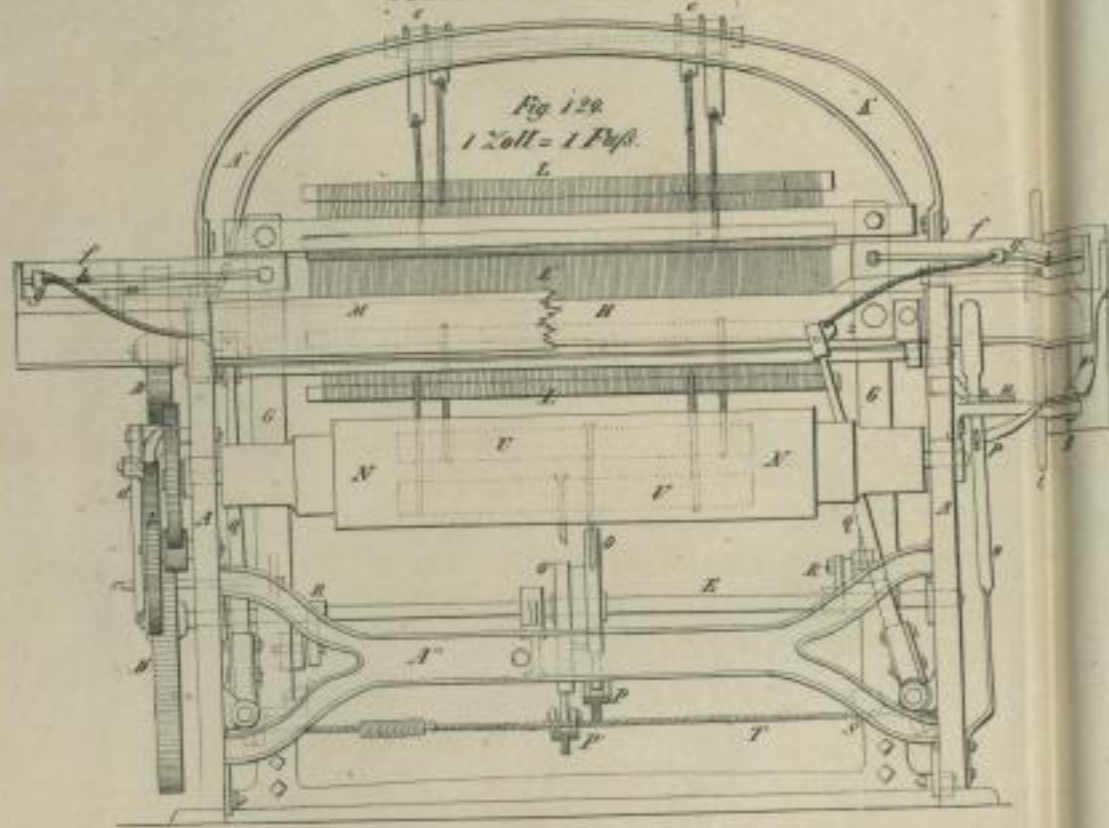
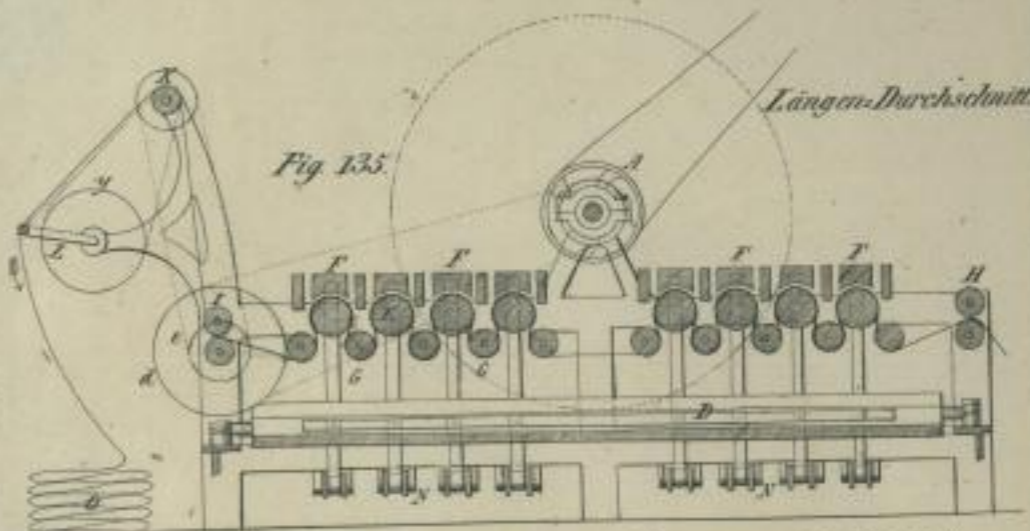


Fig. 129  
1 Zoll = 1 Fuß.



Längen-Durchschnitt

Fig. 135

Maschine zum Aufbürsten des Poles bei den Fustians. 1/2 Zoll = 1 Fuß.

Fig. 137. Messer zum Aufschneiden der Maschen.



Die abgebrochenen Enden b & b müssen vereiniget werden.

Fig. 138. Darstellung der aufrechtstehenden Maschen.



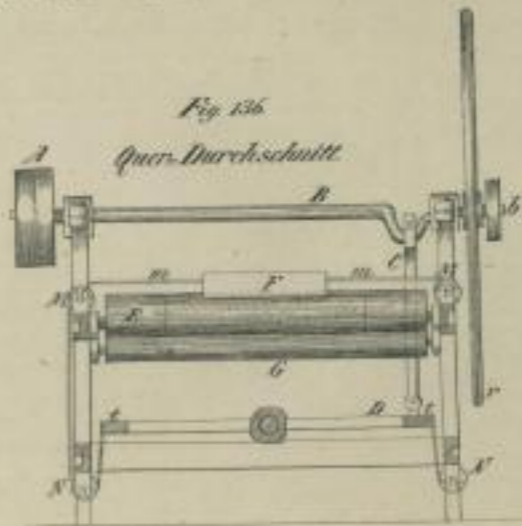
Fig. 139



Maschine zum Aufschneiden der Maschen.

Fig. 136

Quer-Durchschnitt





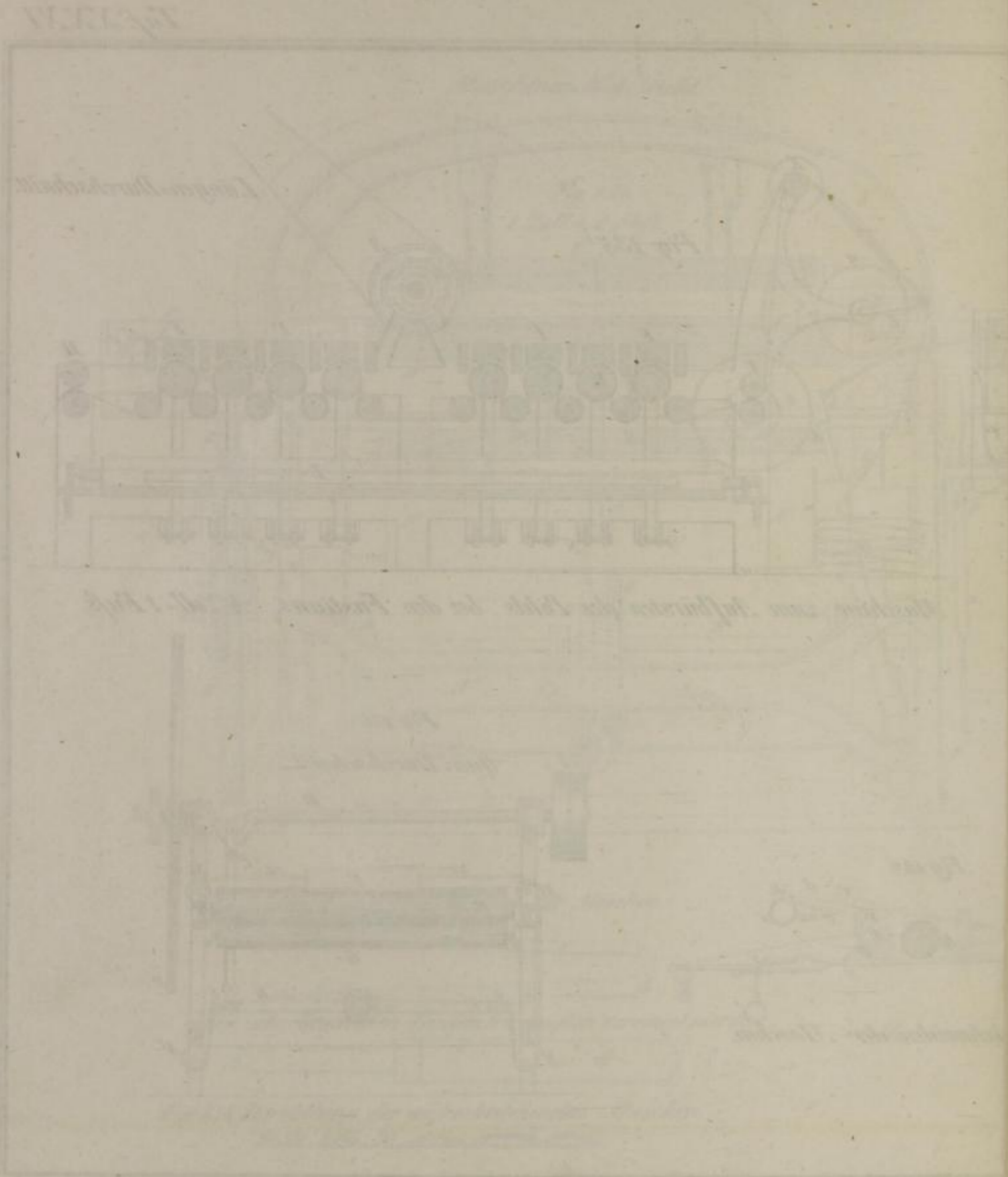






Fig. 140.

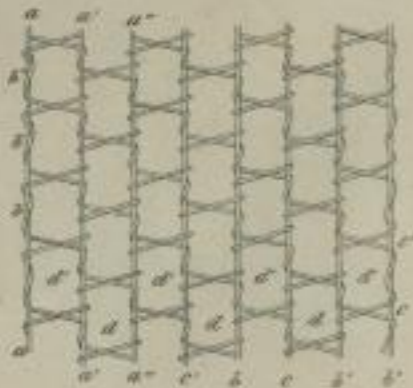


Fig. 141.

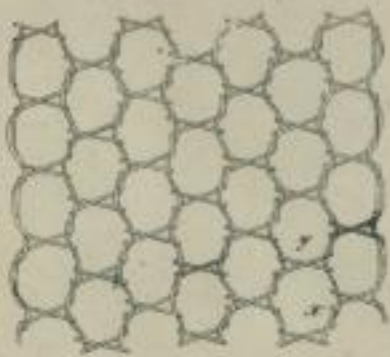


Fig. 142.



Fig. 143.



Fig. 144.



Fig. 145.



Fig. 146.



Fig. 147.

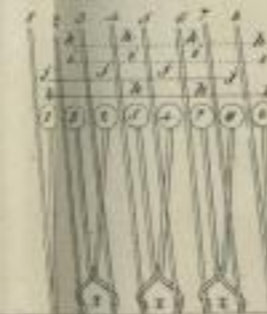


Fig. 148.

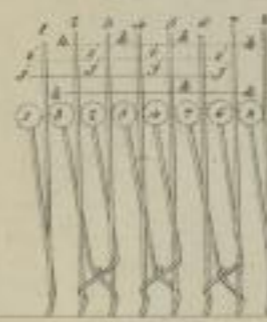


Fig. 149.

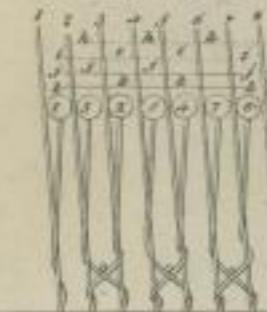


Fig. 150.



Fig. 151.

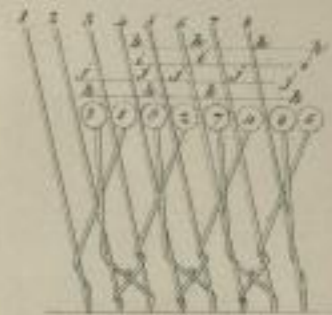
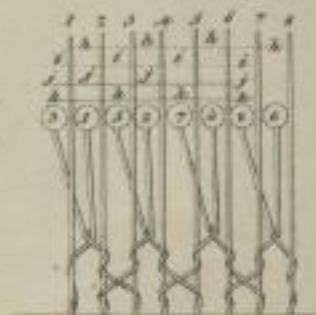


Fig. 152.



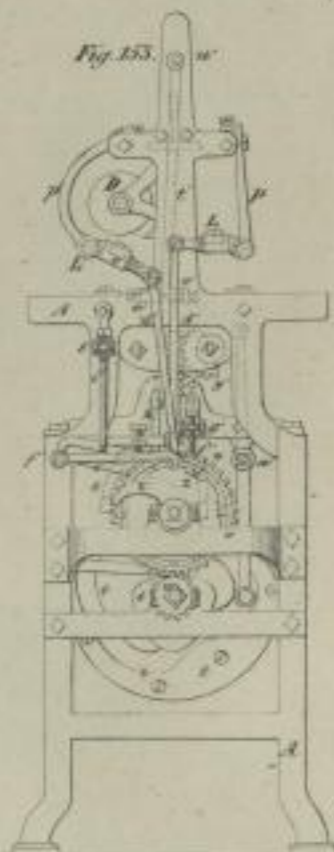
*[Faint, illegible handwriting or bleed-through from the reverse side of the page]*





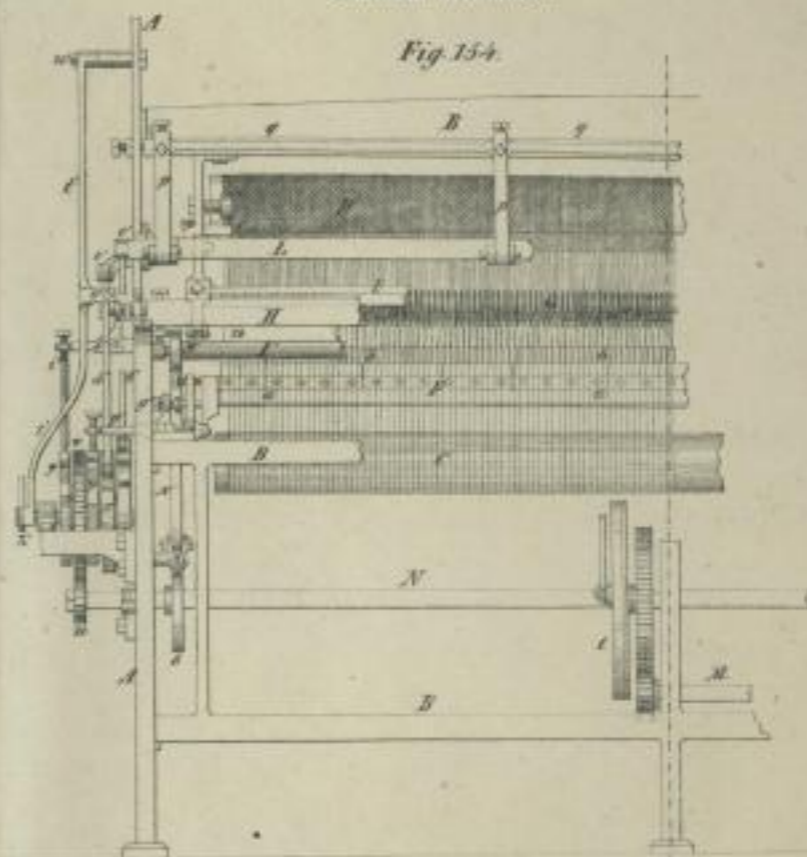
End - Ansicht.

Fig. 153.



Ansicht von vorn.

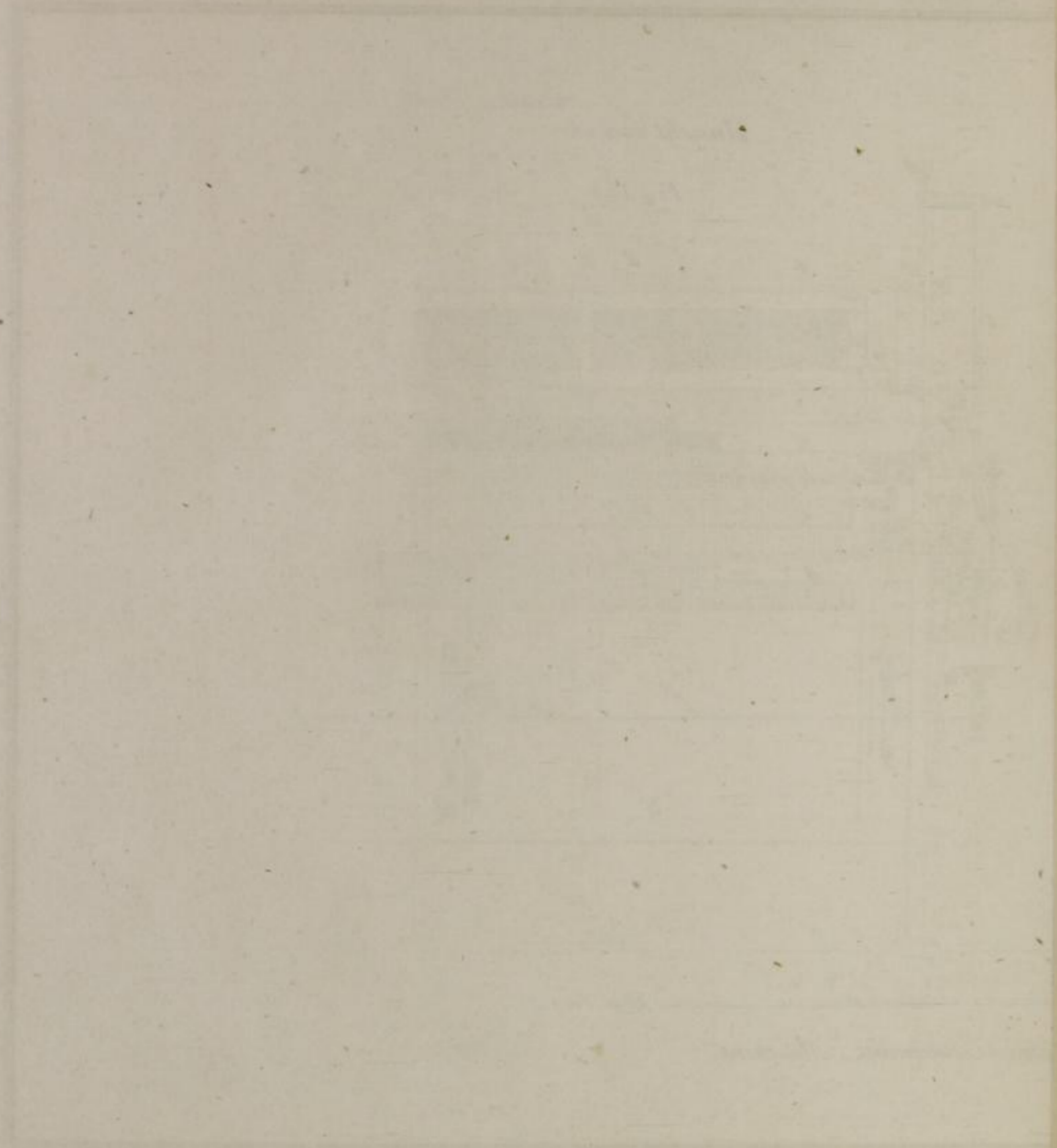
Fig. 154.

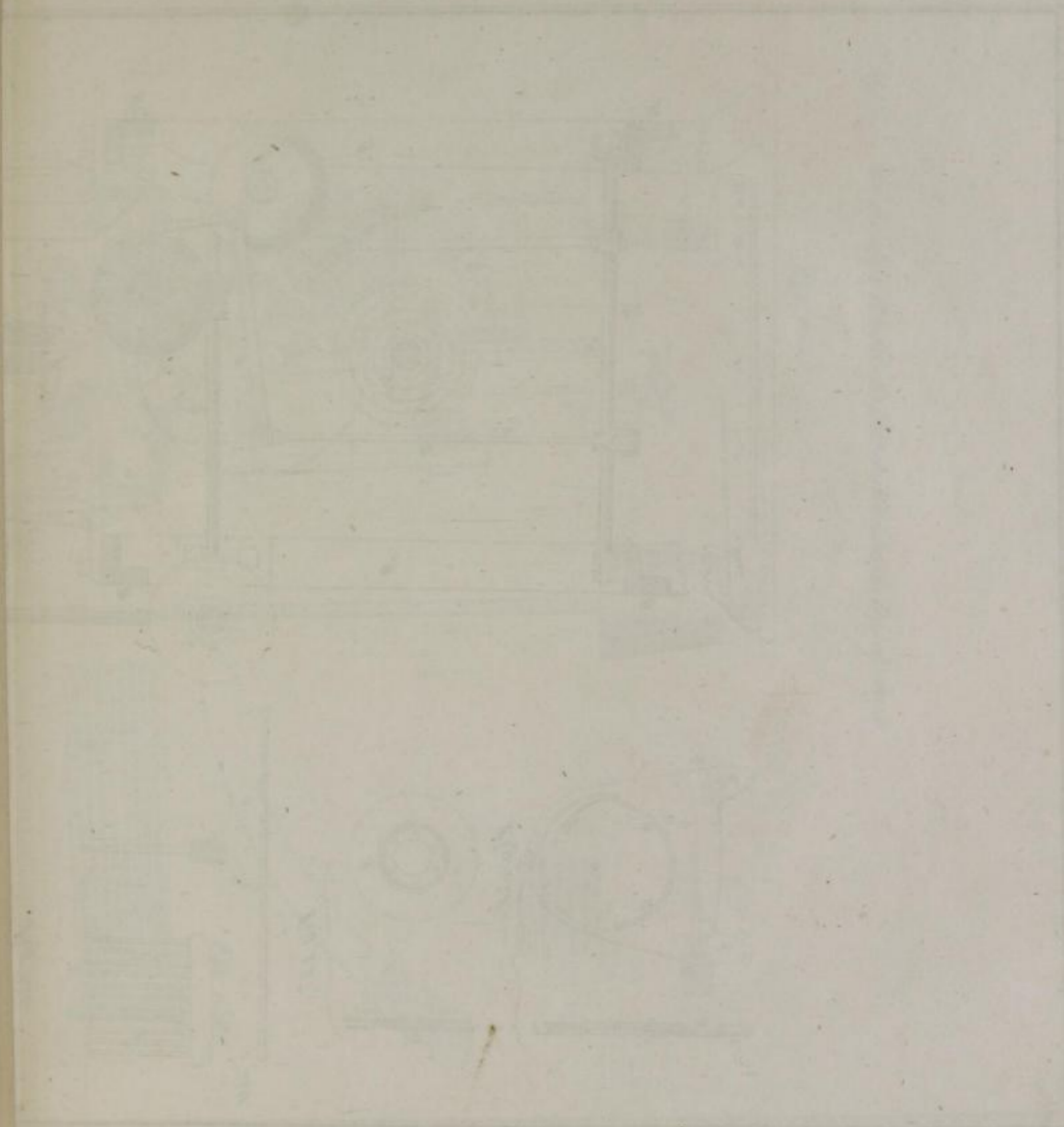


1 2 3 4 5 6 7 8 9 10 Engl. Fuss

Morley's kreisförmige Kiesel - Bobbinet - Maschine.

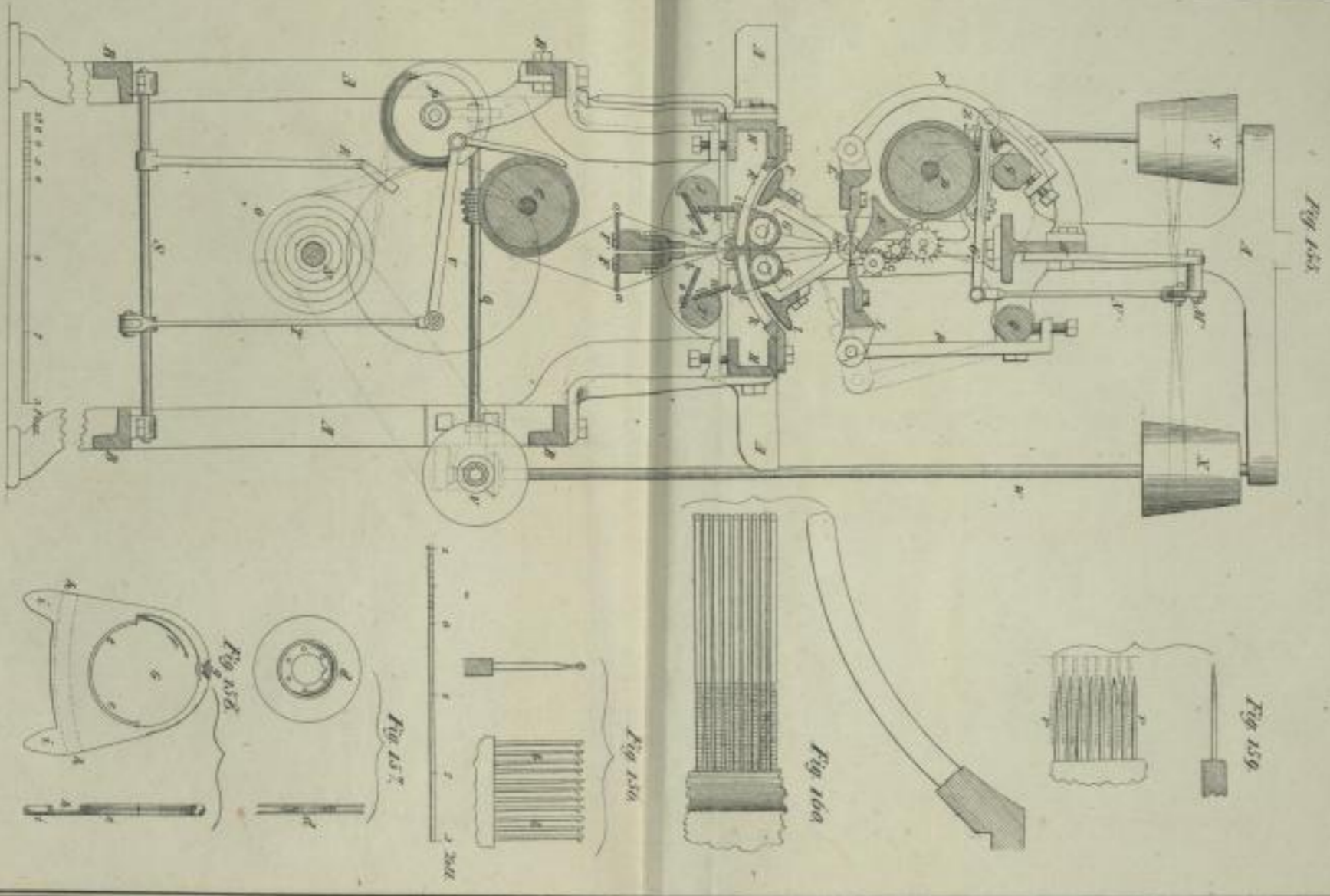


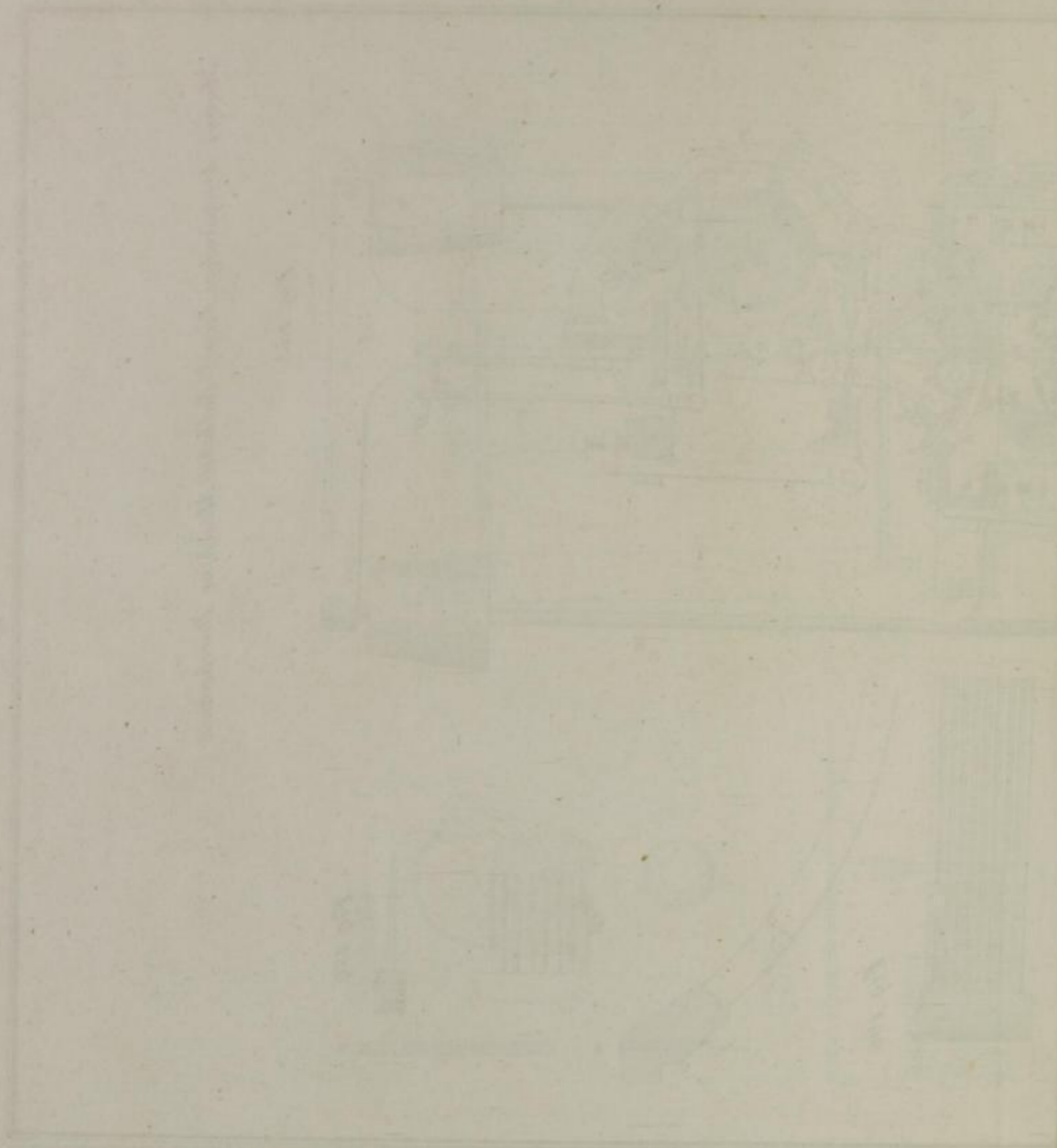






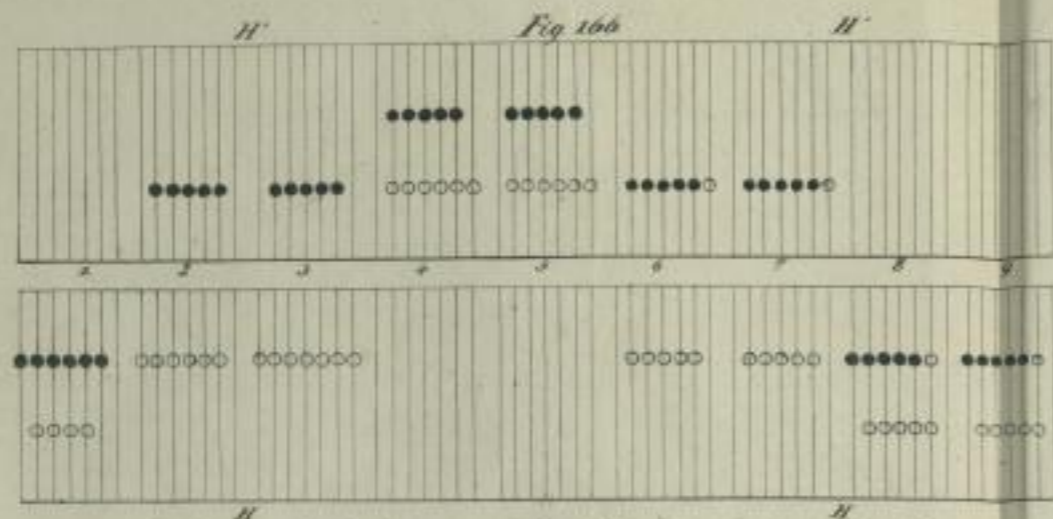
Murray's Aerschwiniger Kiepel-Bobbinen-Maschine Durchschubholz







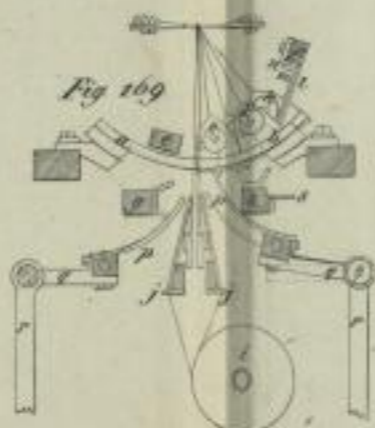




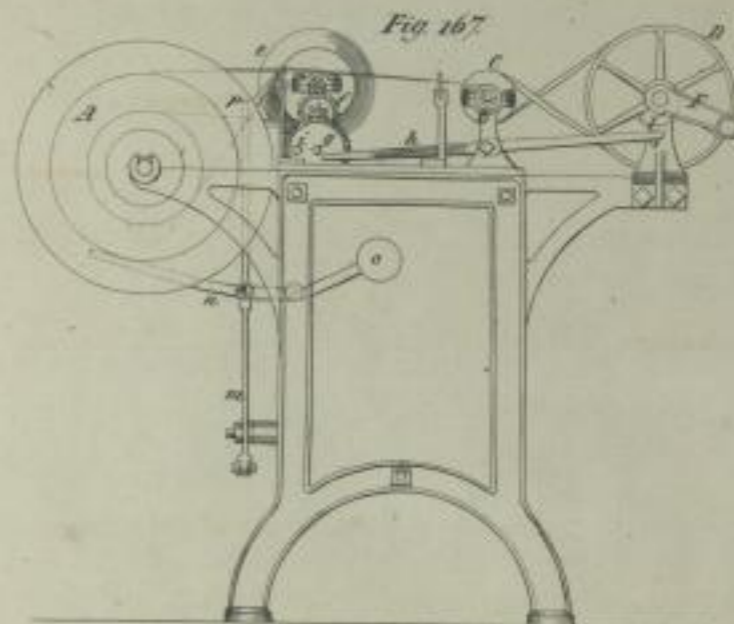
Schema der Spulenbewegungen bei Anfertigung einer Masche



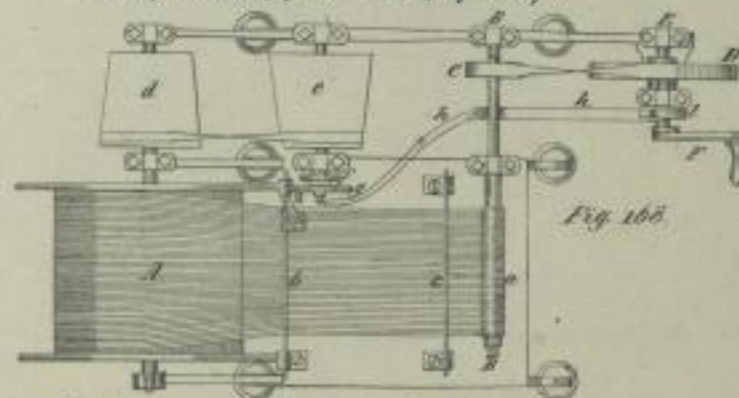
Successive Stellweisen der Spulen in den Schützen der Regel



Crafts Maschine zu hobbenet. Streifen mit Leisten.



Maschine zum Füllen der Spulen. Seitenansicht. Laufstabs ohngefähr = 2 Zoll. auf 1 Fuß.



Maschine zum Füllen der Spulen. Grundriß.















SLUB DRESDEN



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