

## German Heating Stoves in 1827

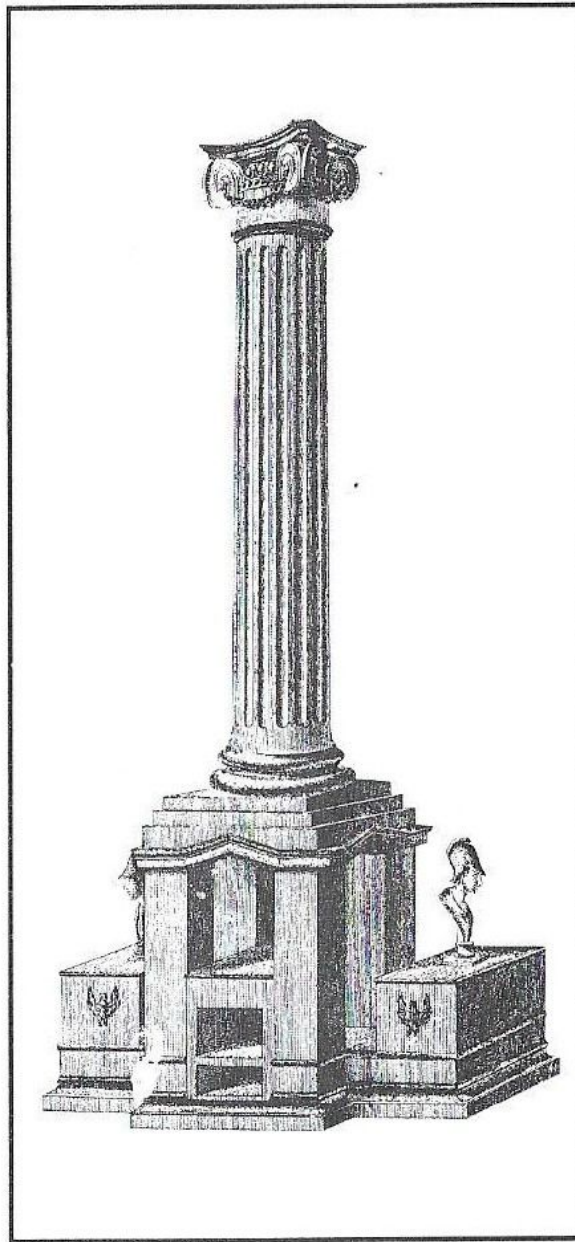


Figure 4-15 *Perspectivische Darstellung des Ofens in seinem Aeussern* (from Aug. Wilh. Schwartze, *Practische Auleitung zum Bau von Ofen und Kuchenherden*, etc., Leipzig, 1827).

**Extract from HEAT & COLD, ASHRAE, 1994  
Illustrations from Chapter 4, Heating with Stoves**

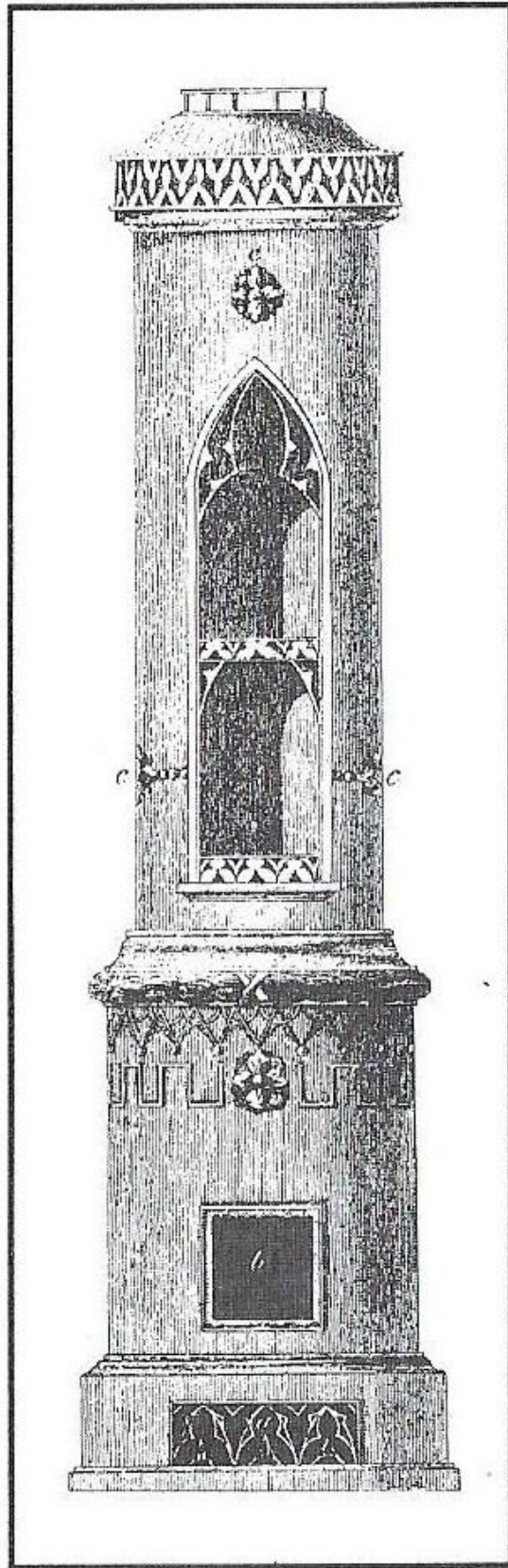
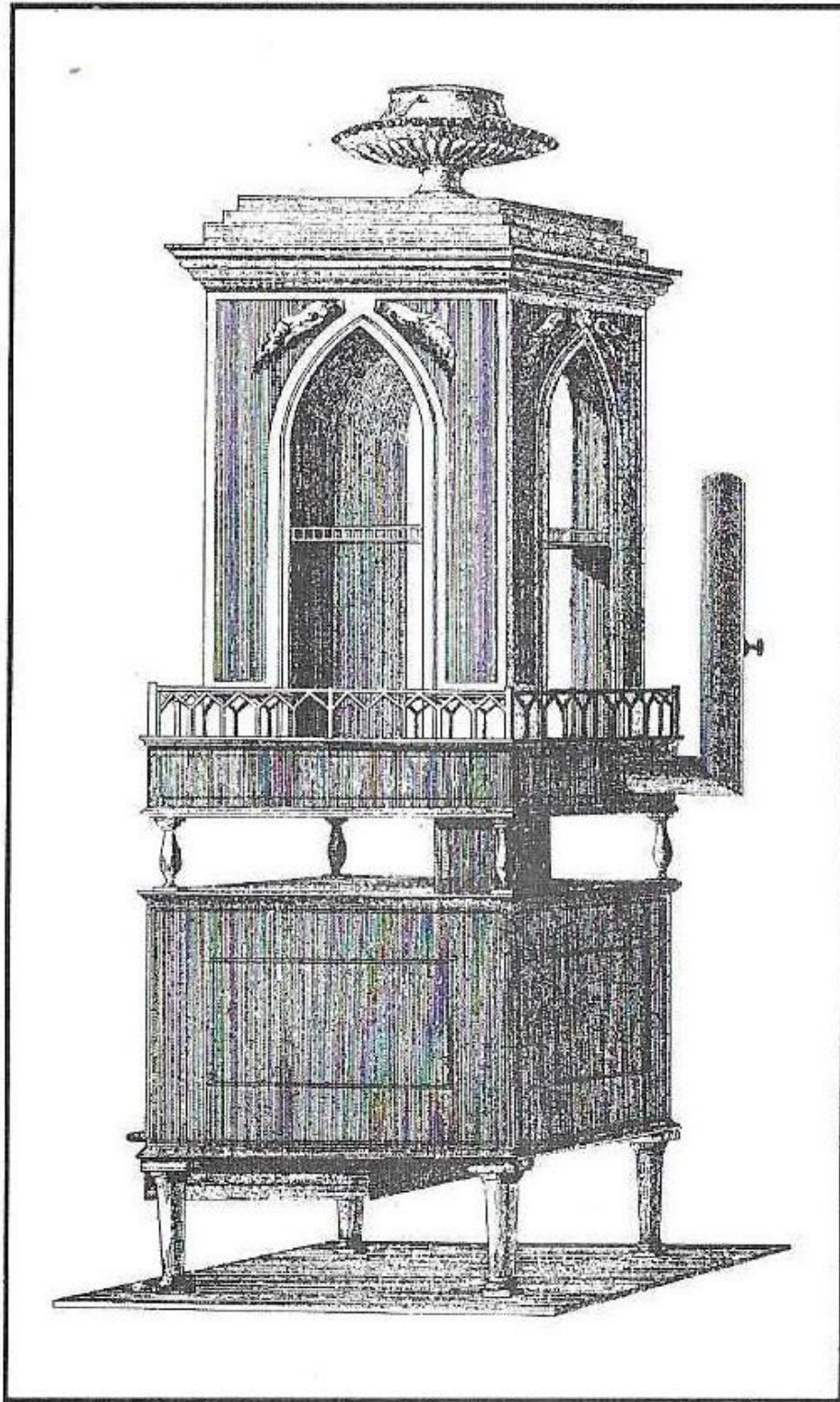
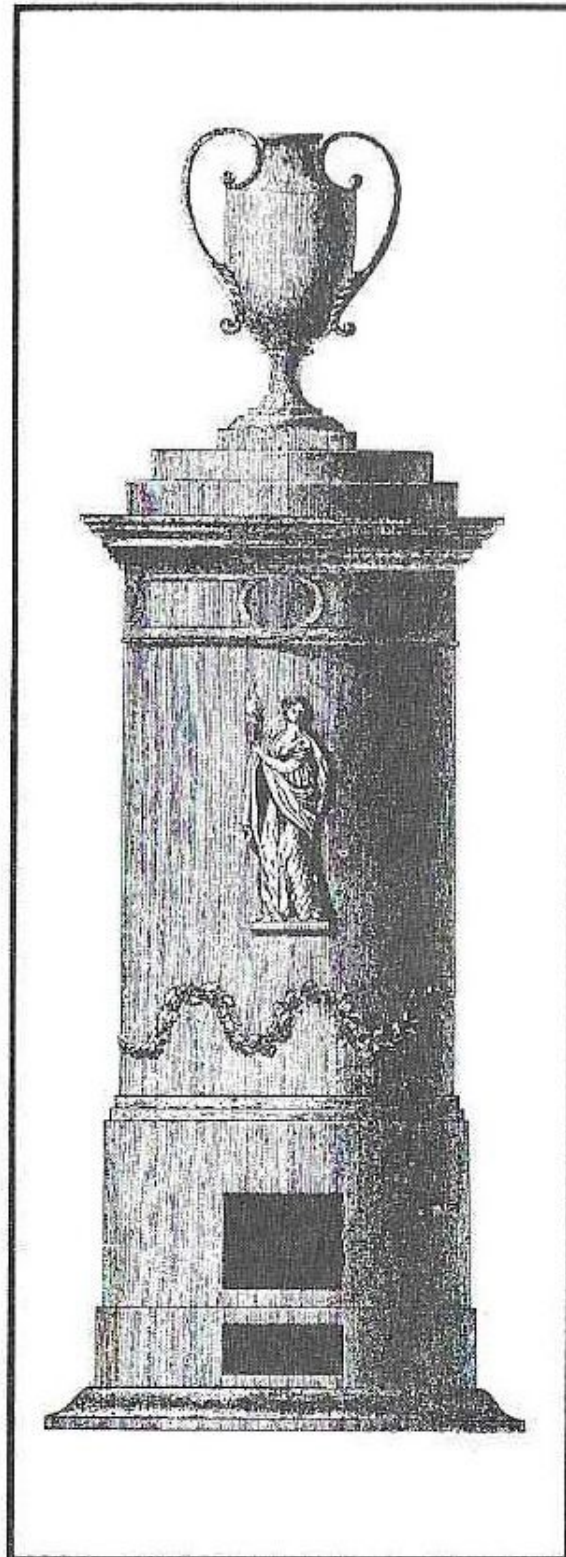


Figure 4-14 Parlor stove (from *Practische*, Leipzig, 1827).



**Figure 4-16** *Ein Stuben-Heizofen* (from *Practische Auleitung zum Bau von Ofen und Kuchenherden, etc., Leipzig, 1827*).



**Figure 4-17** *Sein Aeusseres Mit Der Oeffnung des Feuerkastens und des Aschenbehalters (from Practische Auleitung zom Bau vou Ofen und Kuchenherden, etc., Leipzig, 1827).*

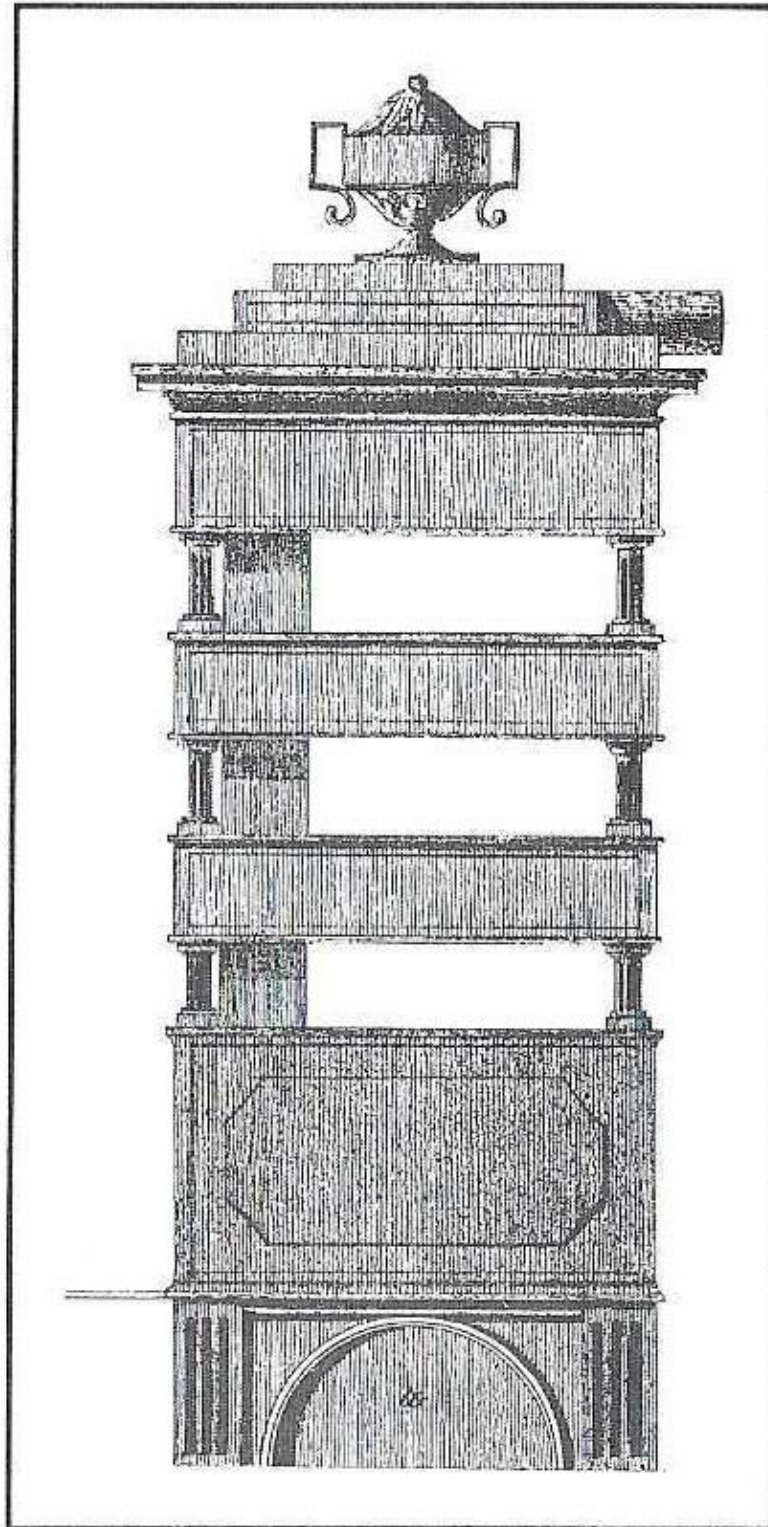


Figure 4-18 *Aufriss des Ofens Vollkmmen*  
(from *Practische . . .*, Leipzig, 1827).

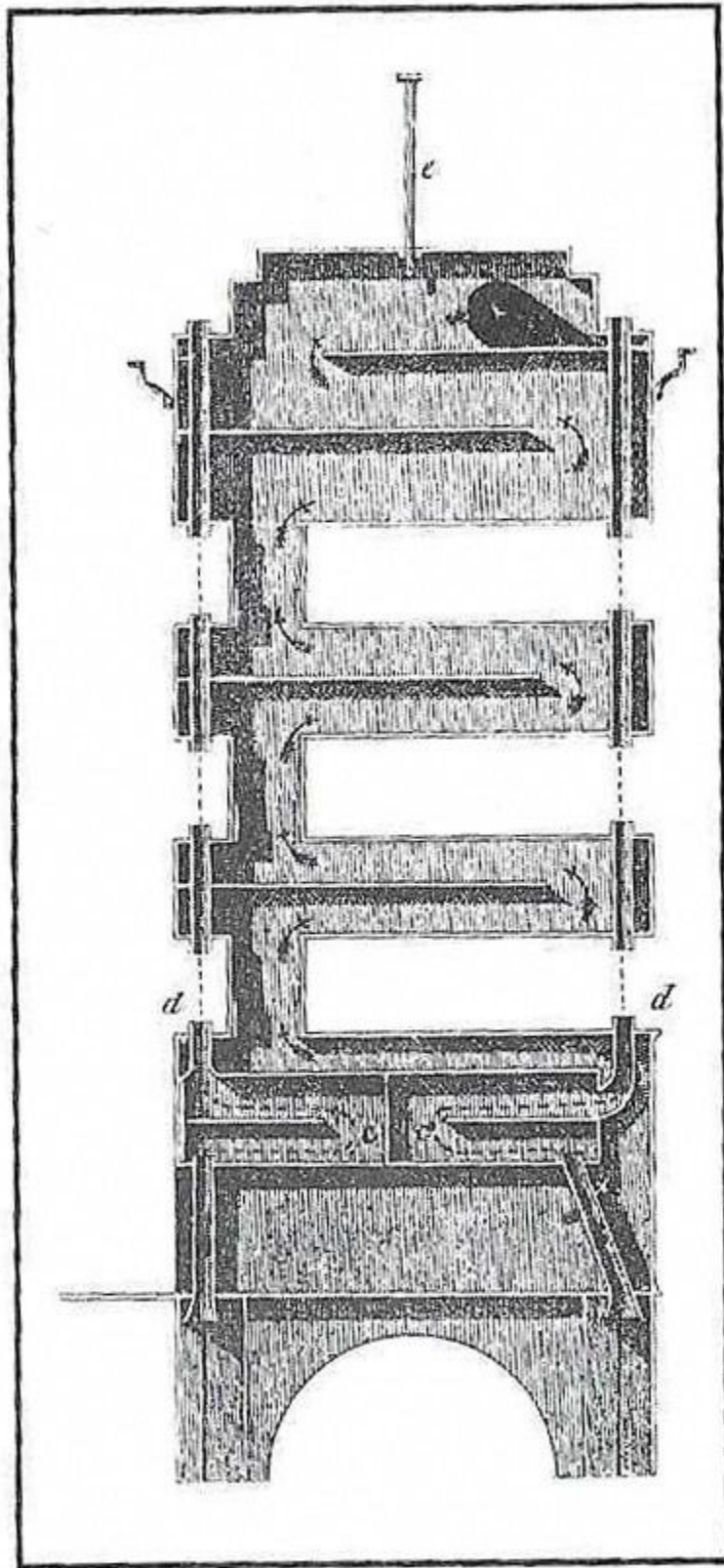
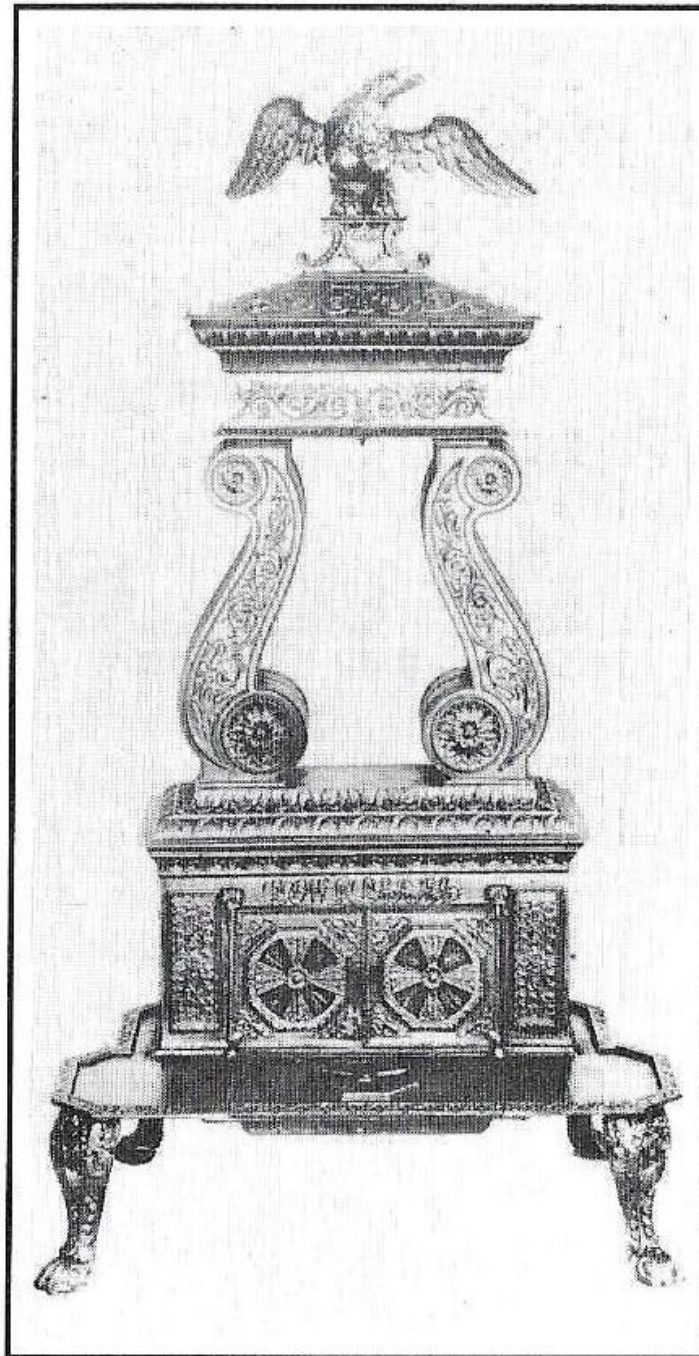
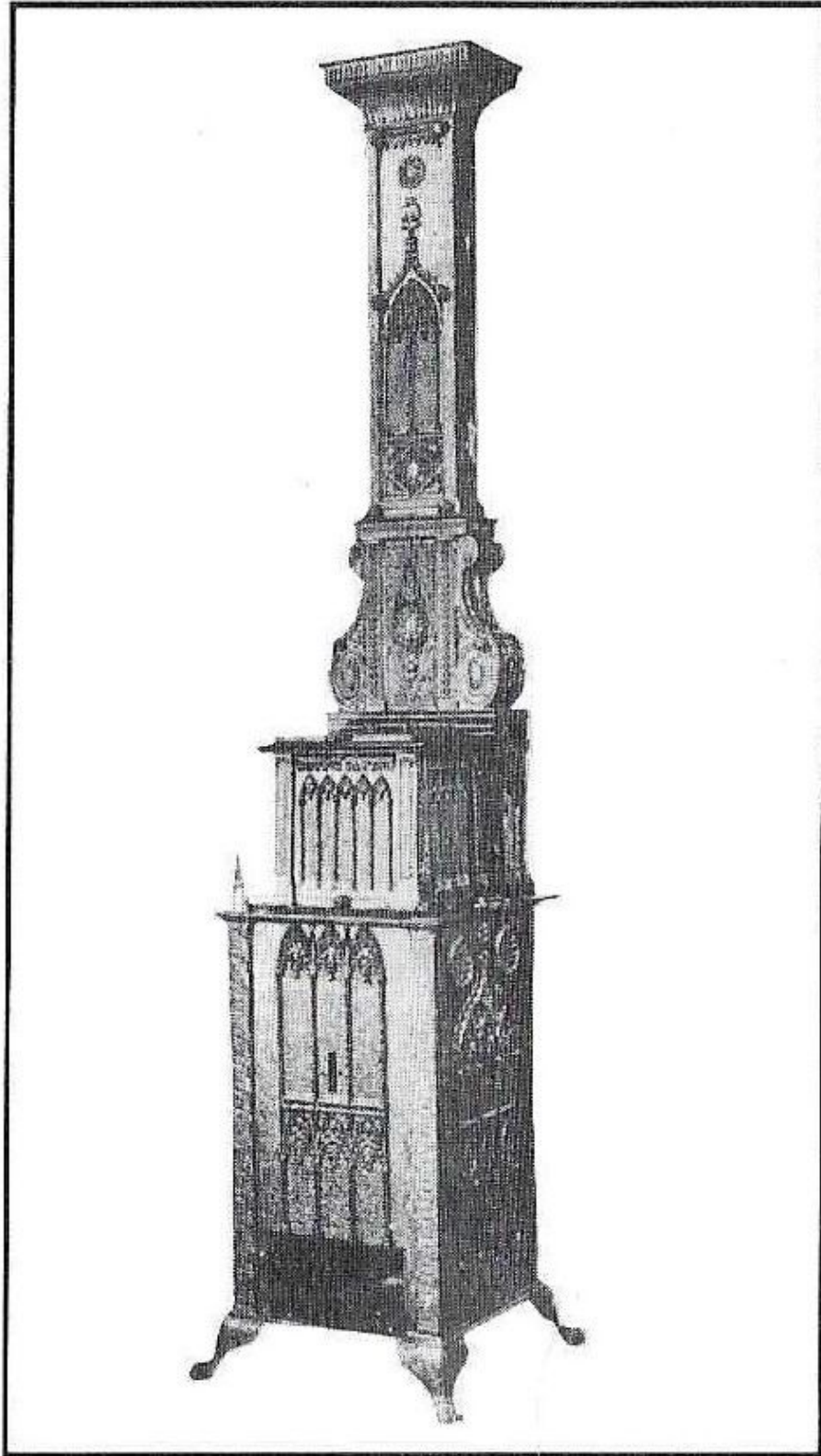


Figure 4-19 (from *Practische . . .*  
*Leipzig, 1827*).

## German Style American Heating Stoves 1832-44

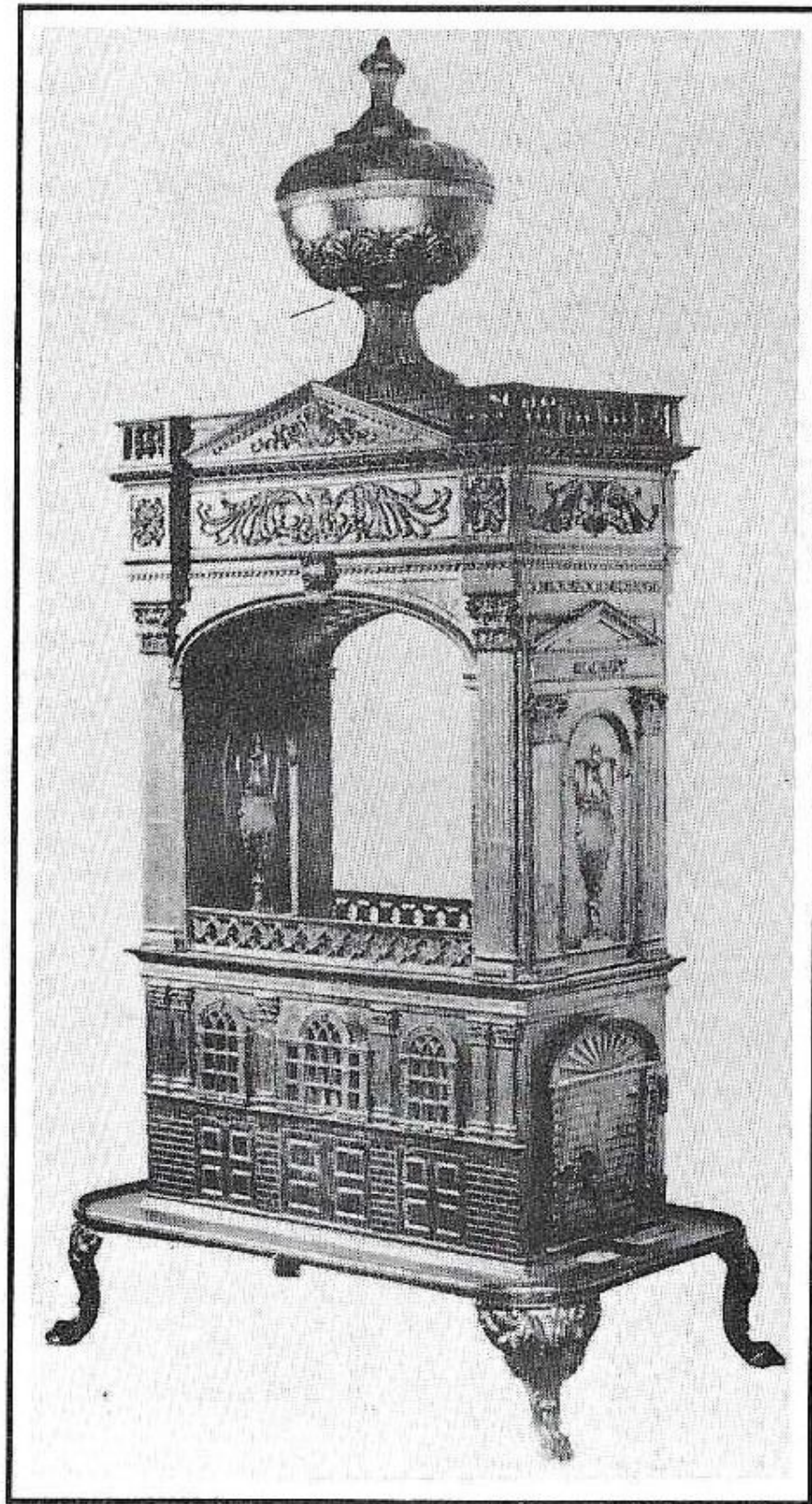


*b) Two-column parlor stove, Low & Leake,  
Albany, patented August 10, 1844.*

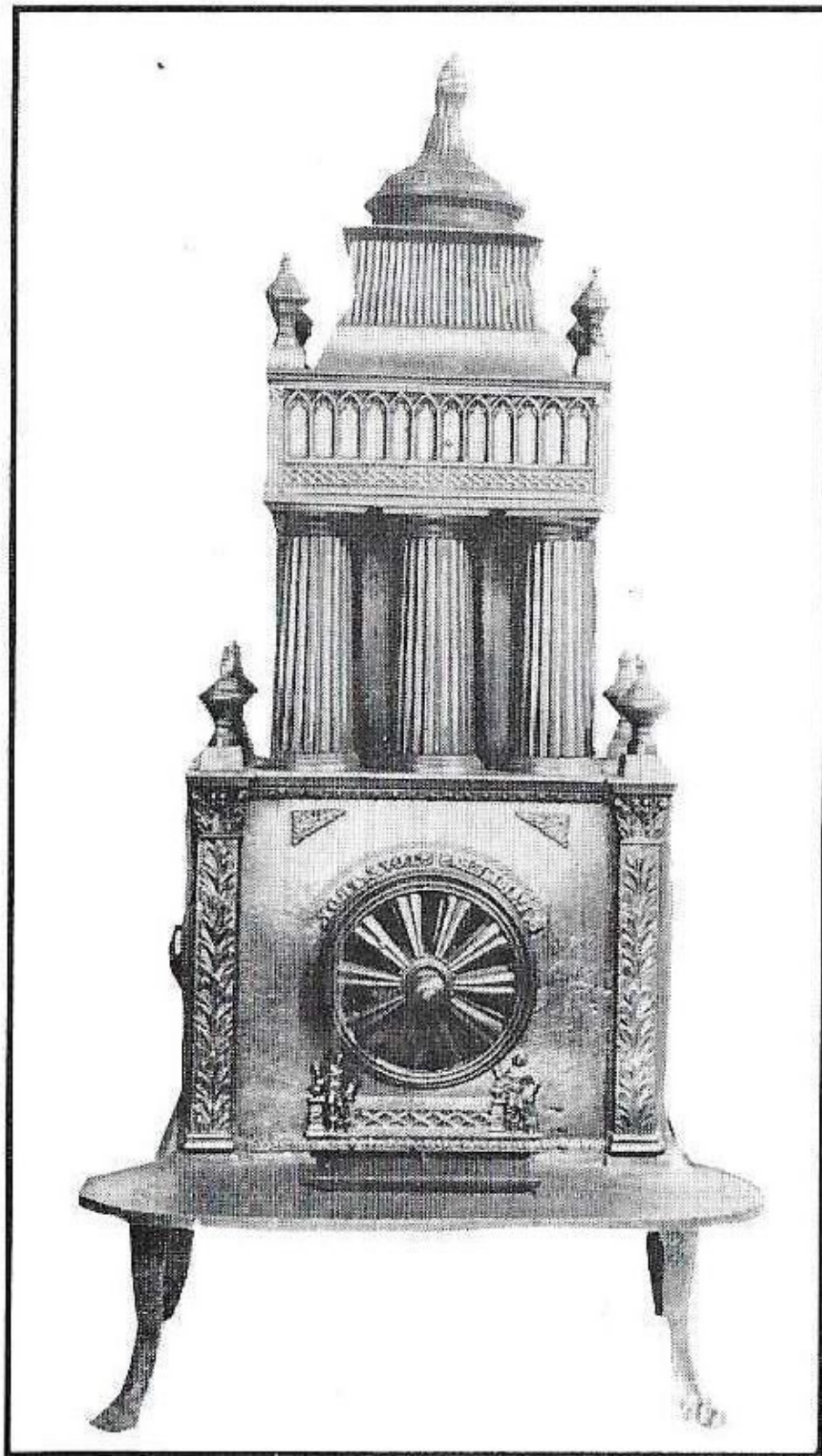


*a) Column parlor stove, Pratt & Treadwell,  
Albany, ca. 1834-36.*





*b) Base-burning stove, Nott's patent, ca. 1832  
(Schaffer Library, Union College, Schenectady, NY).*



*a) Two-column parlor stove, J. Rathbone, Albany, ca. 1835-39.*

# German Heating Stoves 1790-1828

## An Italian View

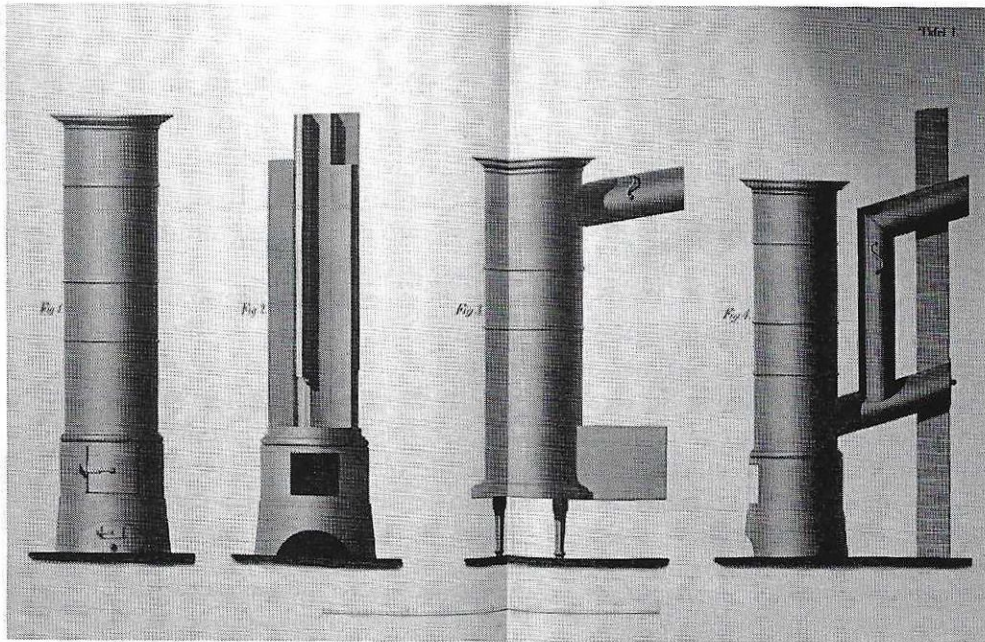
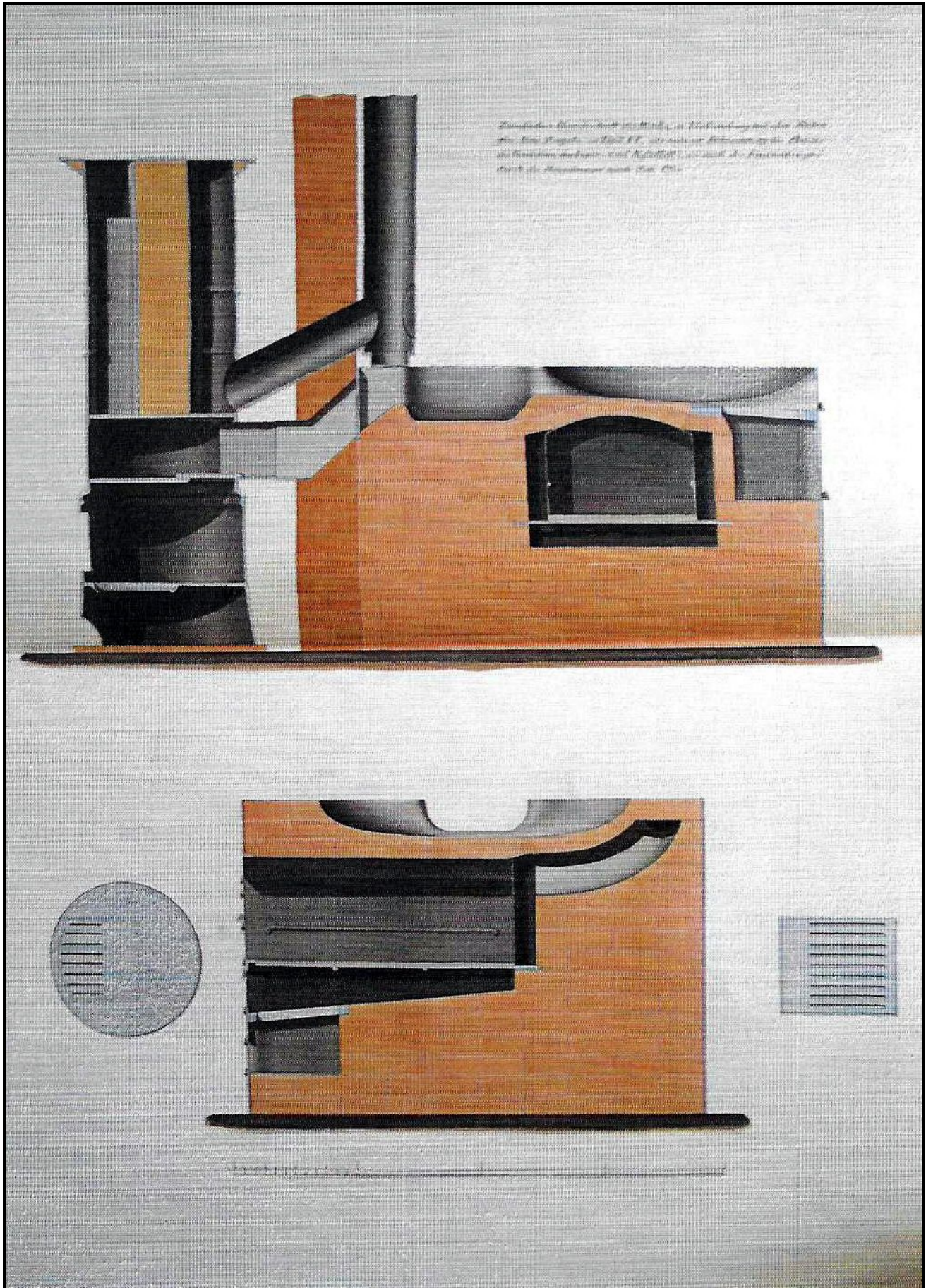


Fig. 20. Stufa in metallo. Die beste und wohlfeilste Feuerungsart, nach einem neuen Systeme (etc.) von Johann Wilhelm Busch [Il migliore e più economico modo per riscaldarsi, secondo un nuovo sistema...], Frankfurt am Main, 1828.

Fig. 20. Iron stove. Die beste und wohlfeilste Feuerungsart, nach einem neuen Systeme (etc.) von Johann Wilhelm Busch [The best and cheapest heating system, following the new schemes...], Frankfurt am Main, 1828.

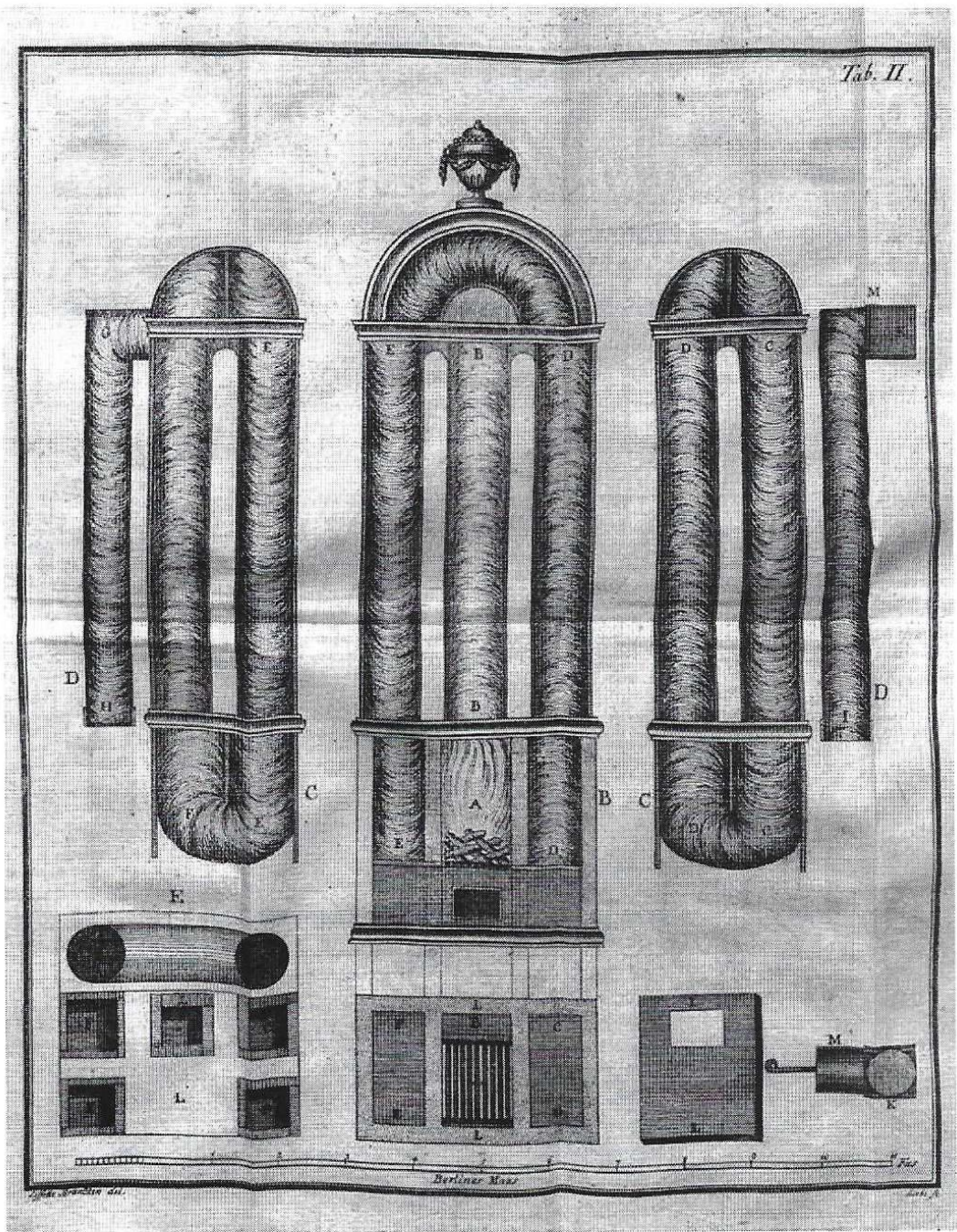
Illustrations from **LA SCOPERTA DELL'ACQUA CALDA**  
2013, Carlo Manfredi, Milan



Combined Heating and Cooking Stove

Fig. 1. La circolazione del fumo nei Johann Heinrich Sachtleben, *Die Holzersparungskunst bey zehn verschiedenen Feuerarten* [Come risparmiare legna in dieci diverse maniere di riscaldarsi], 1790.

Fig. 1. Plate II. Johann Heinrich Sachtleben, *Die Holzersparungskunst bey zehn verschiedenen Feuerarten* [Wood saving art by ten various heating ways], 1790.



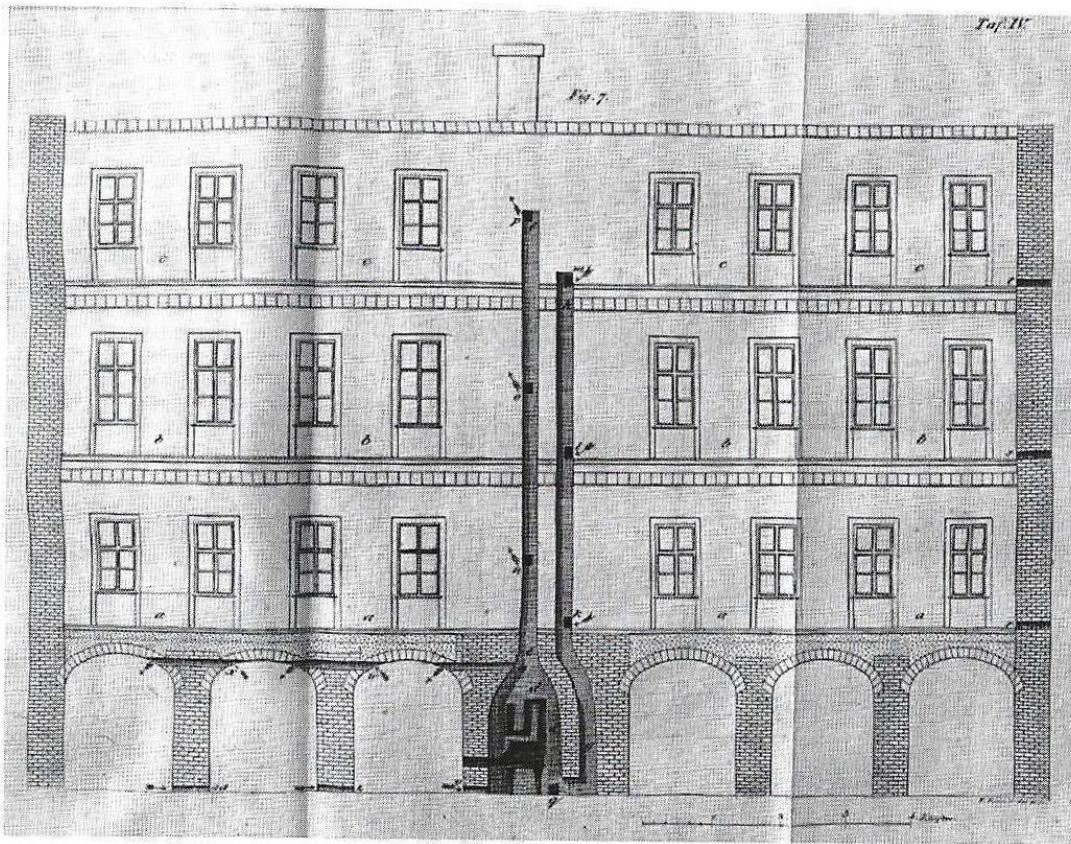


Fig. 8. Meissner, *Die Heizung mit erwärmter Luft*, 1823.

*Fig. 8. Meissner, Die Heizung mit erwärmter Luft, 1823.*

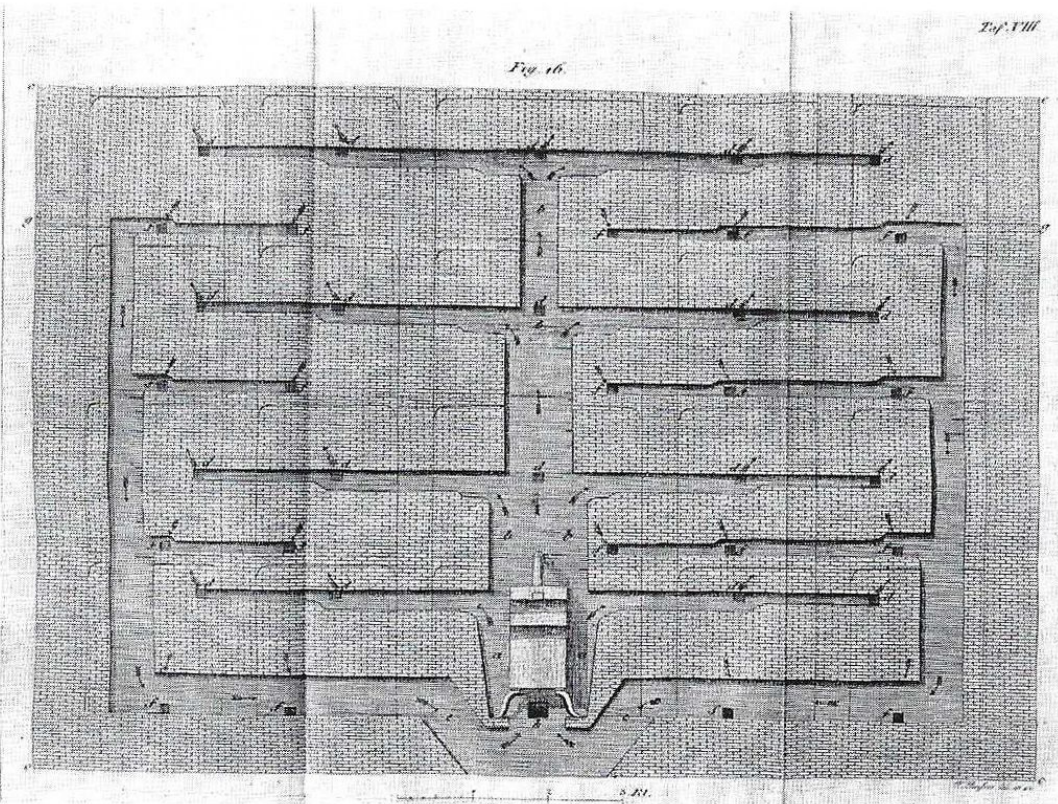


Fig. 9. Il sistema prevede un ricircolo dell'aria, con bocchette di mandata e di ripresa. Meissner, *Die Heizung mit erwärmter Luft*, 1823.

*Fig. 9. A system with recirculating air throughout inlet supplying and drawing air. Meissner, Die Heizung mit erwärmter Luft, 1823.*

Fig. 10. Meissner, *Die Heizung mit erwärmter Luft*, 1823.

Fig. 10. Meissner, *Die Heizung mit erwärmter Luft*, 1823).

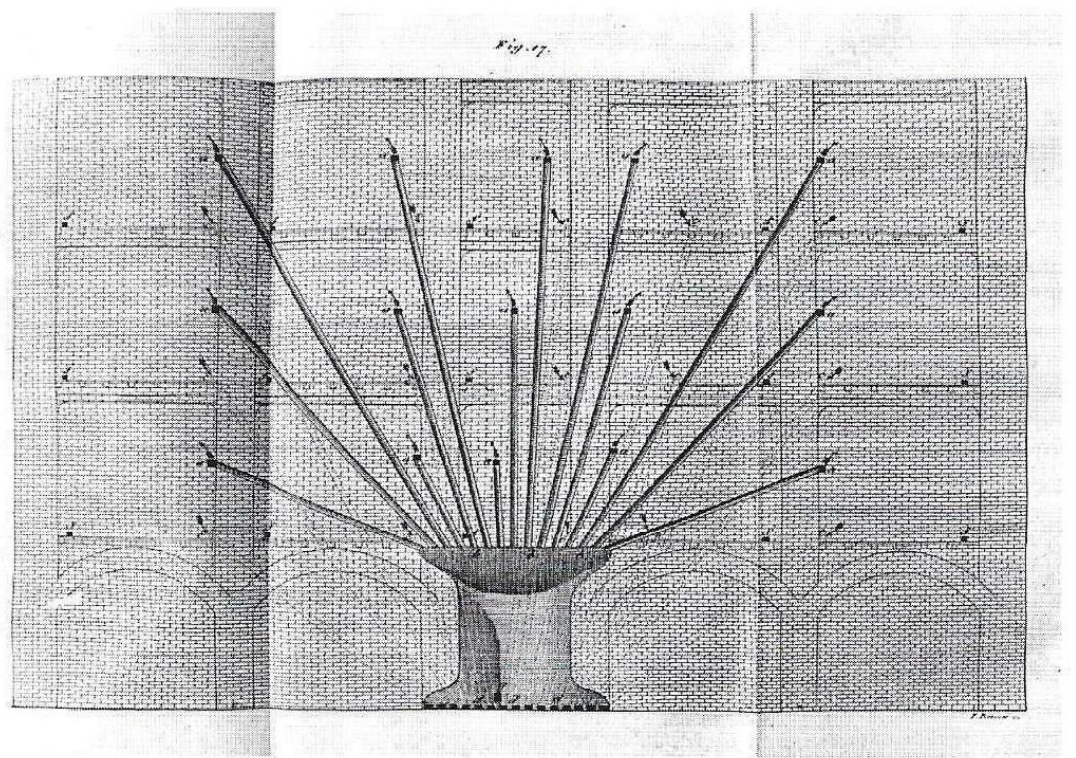


Fig. 11. Tavola comparativa dei diversi modelli di stufa. Meissner, *Die Heizung mit erwärmter Luft*, 1827,

Fig. 11. A comparison between various kind of stoves. Meissner, *Die Heizung mit erwärmter Luft*, 1827.

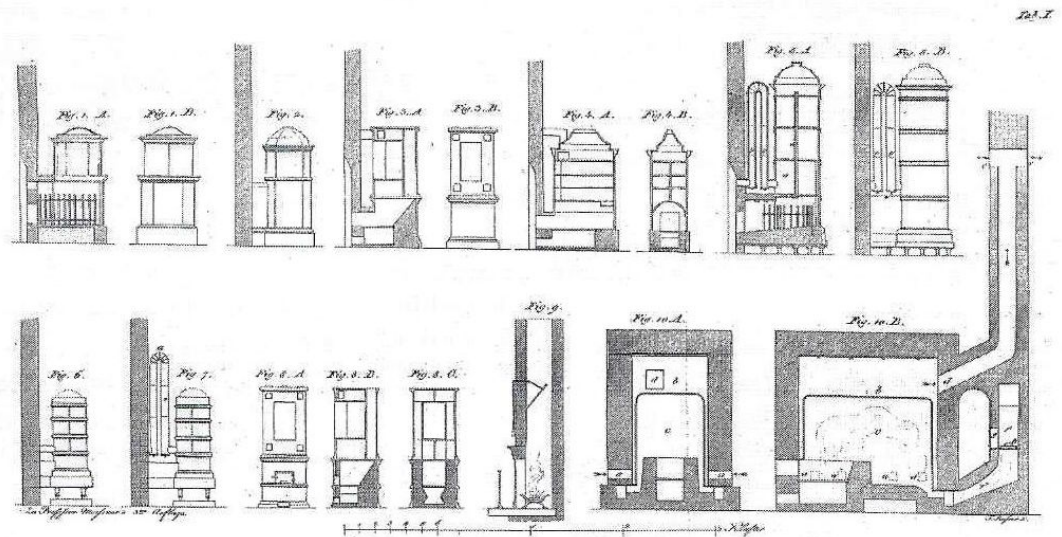
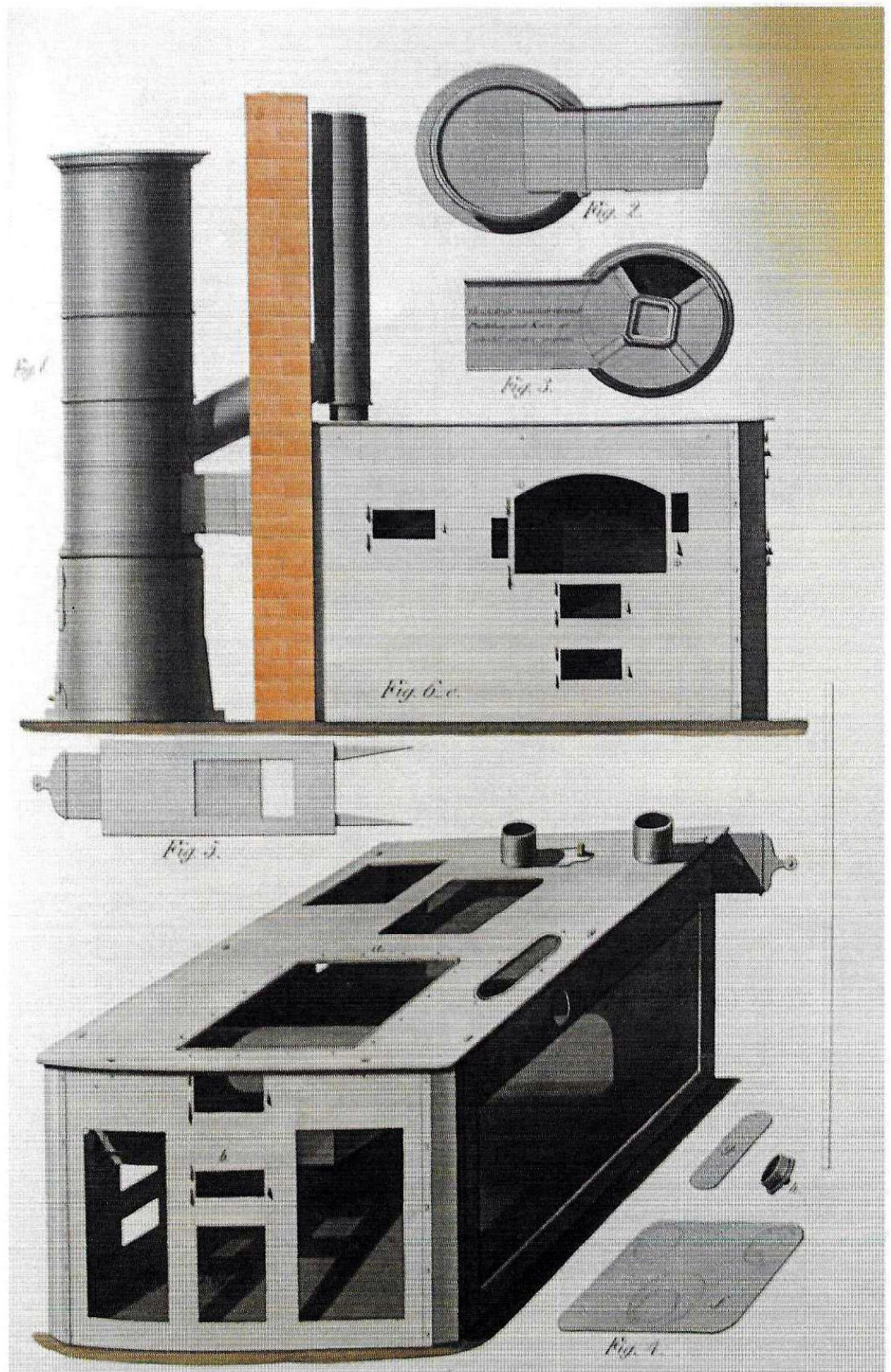


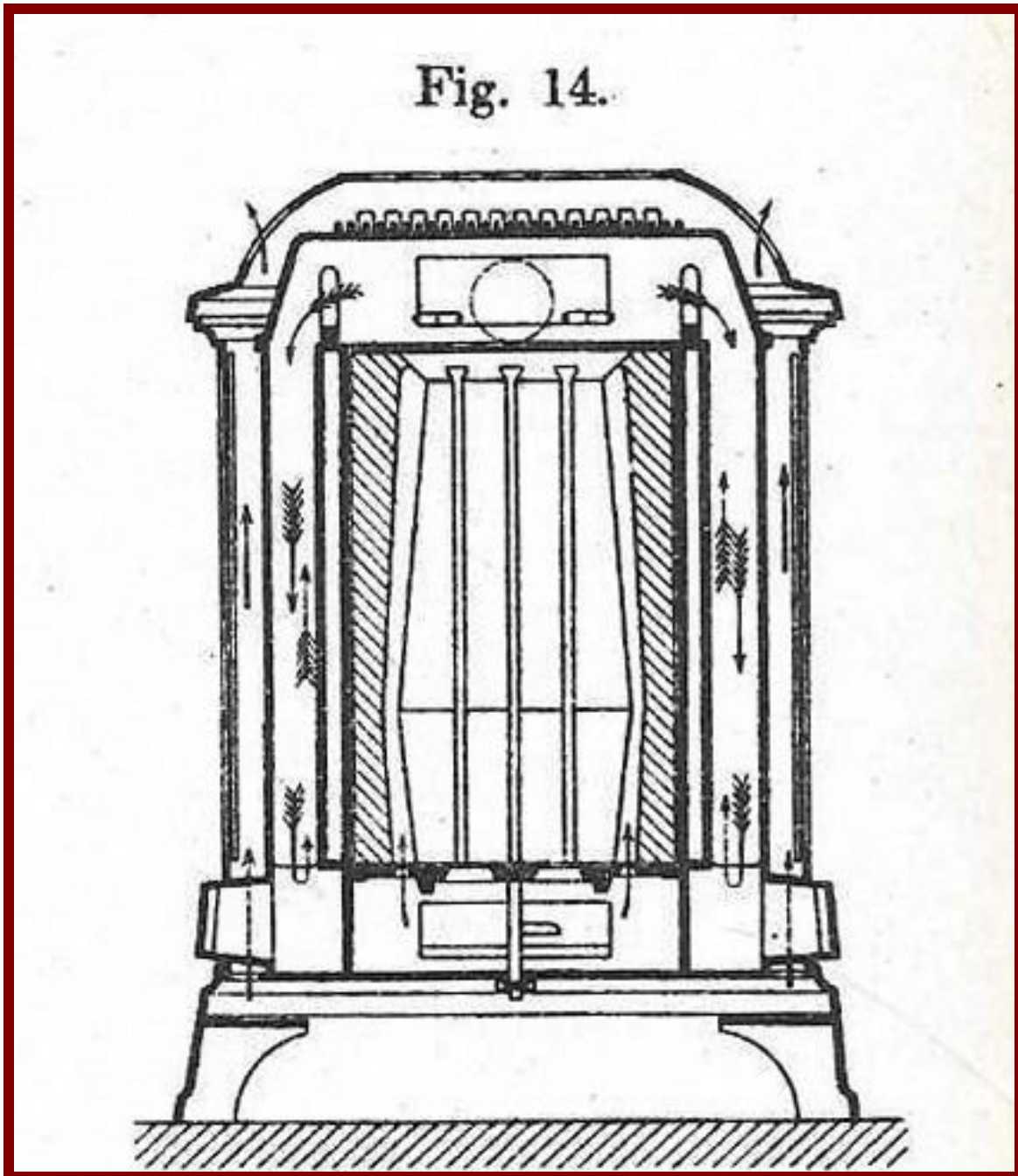
Fig. 21. Fornello da cucina. J.W. Busch, *Die beste und wohlfeilste Feuerungsart*, 1828.

Fig. 21. Kitchen range. J.W. Busch, *Die beste und wohlfeilste Feuerungsart*, 1828.





## German Heating Stoves 1800-1911



German Patent Stove

**Extract from TRAITE de CHAUFFAGE 1911  
H Rietschel, French translation from the German**

## PLANCHE 9

### Poêles

Les flèches non empennées indiquent le cheminement de l'air, les flèches empennées le cheminement des gaz d'échappement.

**Figure 1. Cheminée ordinaire.**

- » 2. Cheminée système Douglas Galton.
- » 3. Poêle cylindrique.
- » 4. Idem, système Leras.
- » 5. Poêle à étages.
- » 6. Poêle réglable de Geisler.
- » 7. Idem. (Usines Métallurgiques Lauchhammer).
- » 8. Idem, de Wolff (H. C. Havemann).
- » 9. Idem, de Meidinger (Usines Métallurgiques Kaiserslautern).
- » 10. Poêle-calorifère réglable. (Usines Métallurgiques Lauchhammer).
- » 11. Poêle d'appartement à trémie extérieure. (Usines Métallurgiques Kaiserslautern).
- » 12. Poêle « Irlandais ».
- » 13. Poêle « Patent-Germanen » (Oscar Winter).
- » 14. Poêles à double enveloppe, « Patent Germanen ». (Oscar Winter).
- » 15. Poêle « Cadé ».
- » 16. Poêle américain. (Crown Jewel) de Perry.
- » 17. Cheminée universelle de Lönholdt.
- » 18. Poêle à magasin de Lönholdt.
- » 19. Poêle berlinois.
- » 20. Poêle russe (le même, forme cylindrique : poêle suédois).

Fig. 2.

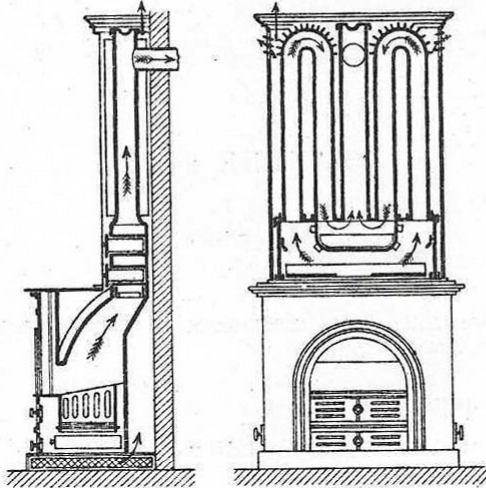


Fig. 3.

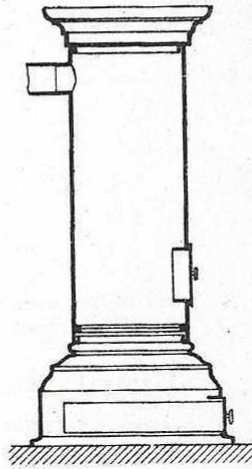


Fig. 4.

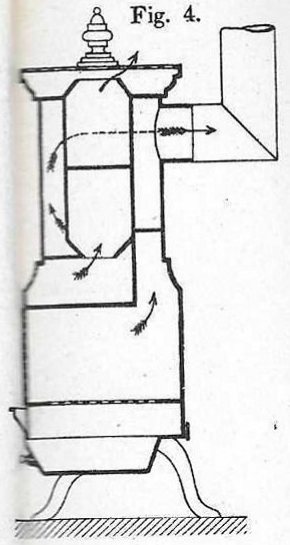


Fig. 1.

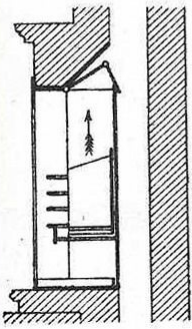


Fig. 8.

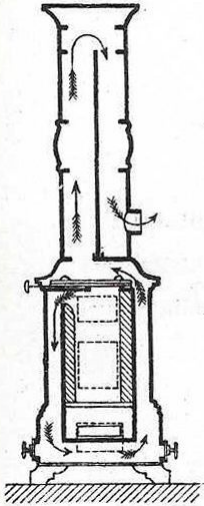


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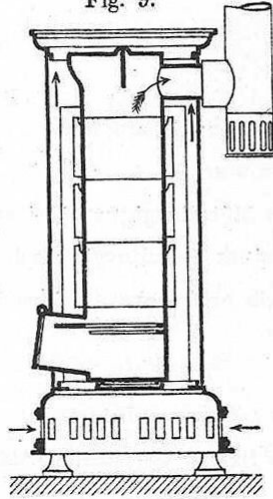


Fig. 10.

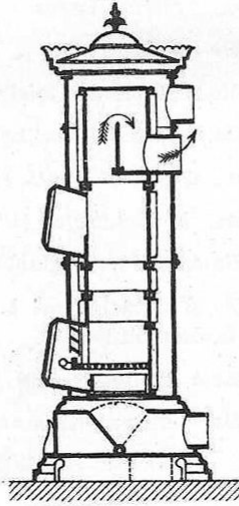


Fig. 11.

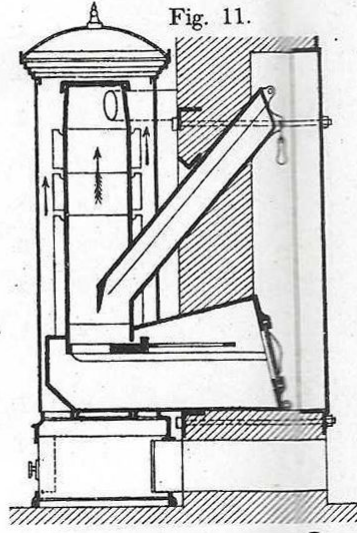


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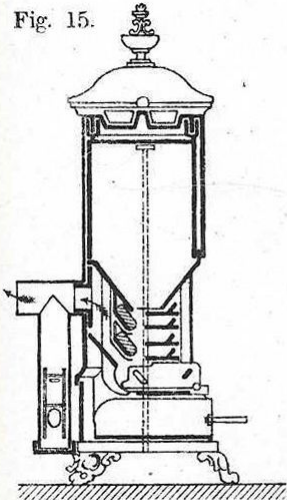


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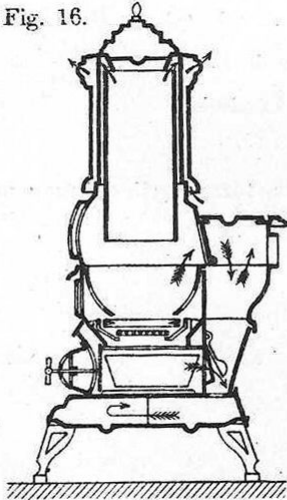


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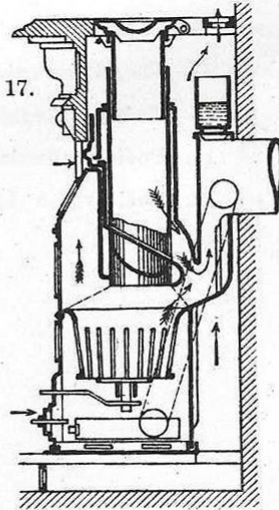


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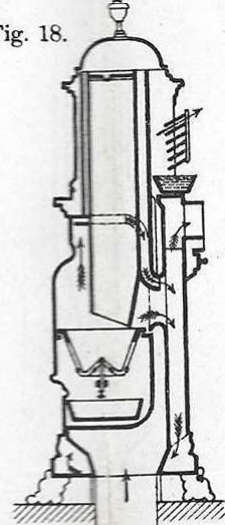


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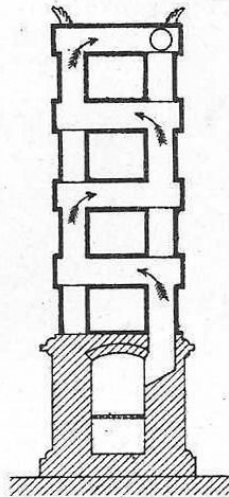


Fig. 6.

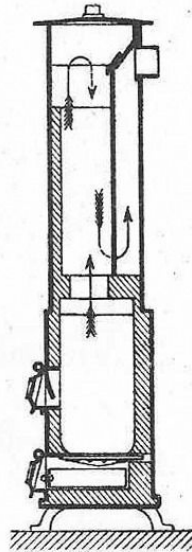


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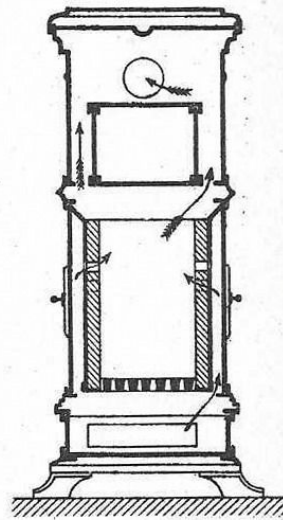


Fig. 12.

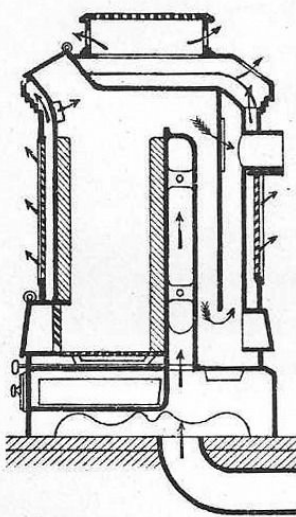


Fig. 13.

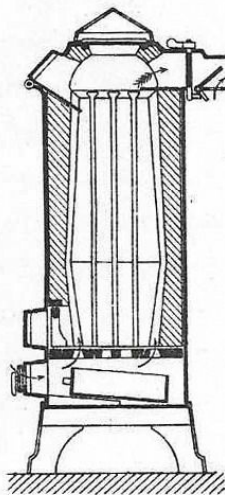


Fig. 14.

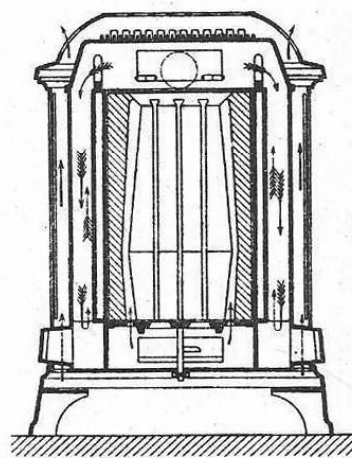


Fig. 19.

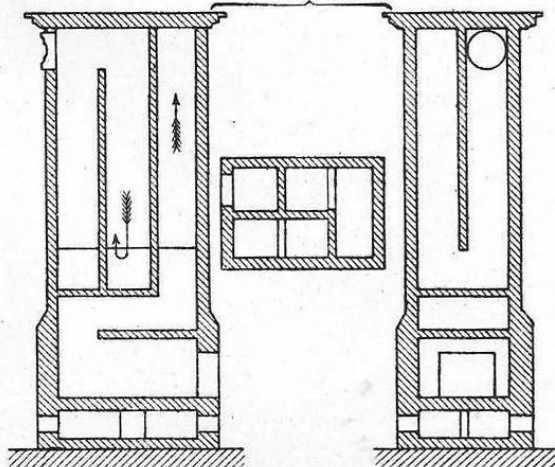
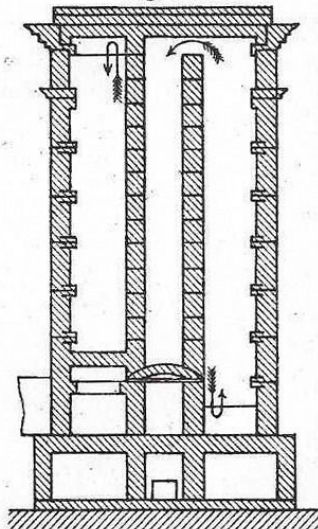


Fig. 20.



## PLANCHE 10

### Poêles.

Les flèches non empennées indiquent le cheminement de l'air, les flèches empennées le cheminement des gaz d'échappement.

**Figure 1.** « Poêle berlinois » avec tuyaux de chauffe.

- » 2. Poêle en faïence avec pot de foyer en fer.
- » 3. Idem, avec chambranle de cheminée.
- » 4. Poêle réglable en faïence, de Silwar.
- » 5. Poêle en faïence avec corps intérieur en fonte de fer.
- » 6. Idem, avec dispositif de ventilation de Wickel.
- » 7. Poêle à gaz, de Kutscher.
- » 8. Poêle à gaz scolaire, système des écoles de Karlsruhe.
- » 9. Poêle à gaz (Central Werkstatt, Dessau).
- » 10. Idem. (Carl Houben Sohn, Société anonyme).
- » 11. Idem. (Junkers et Cie).
- » 12. Idem. (Junkers et Cie).

Fig. 1.

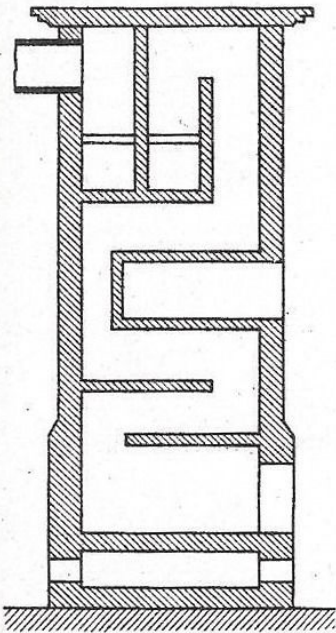


Fig. 2.

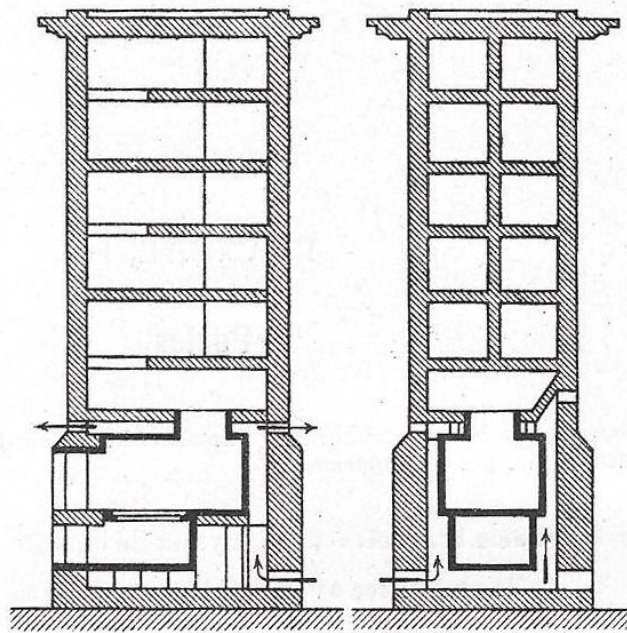


Fig. 3.

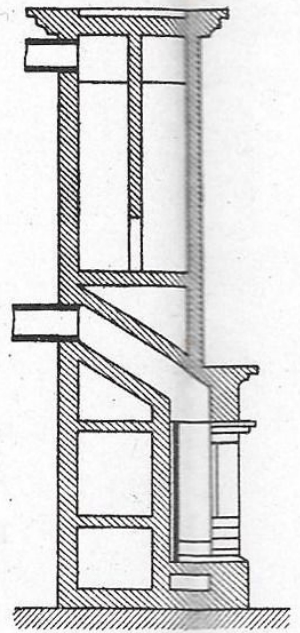


Fig. 7.

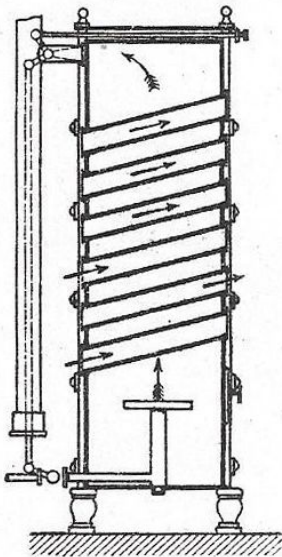


Fig. 8.

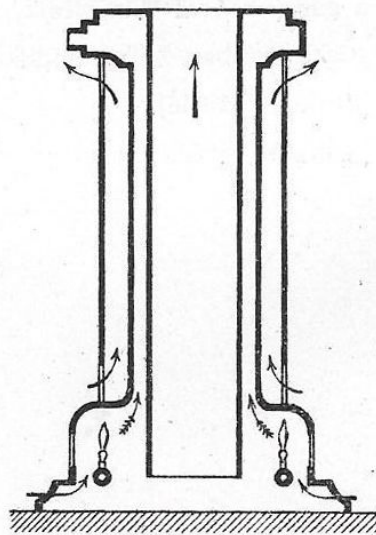


Fig. 9.

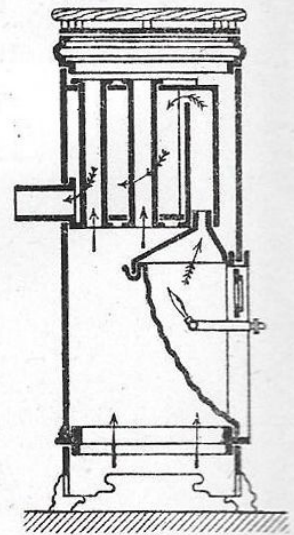


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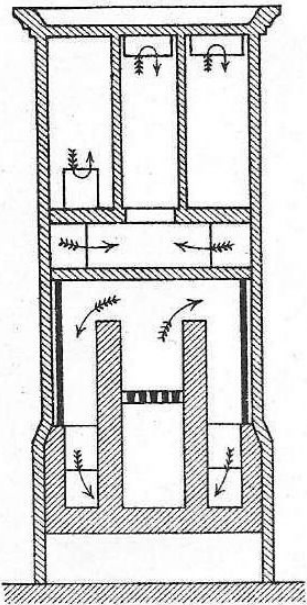


Fig. 5.

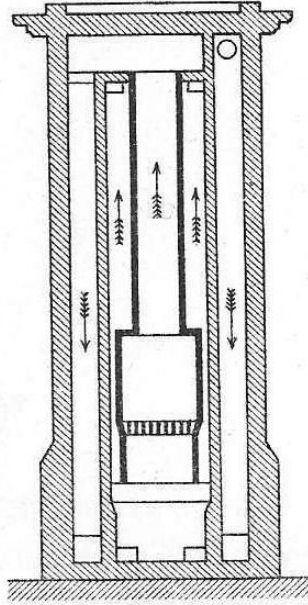


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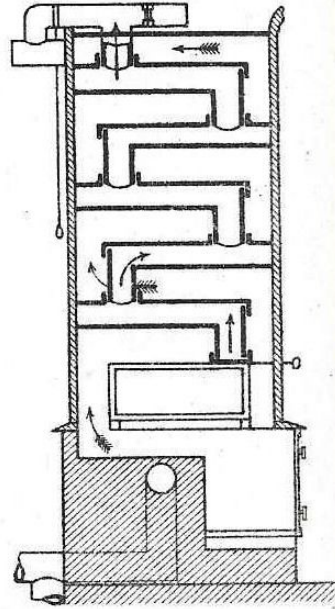


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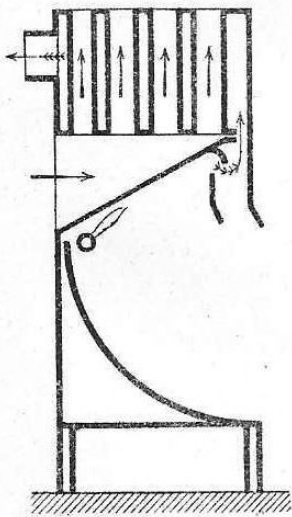


Fig. 11.

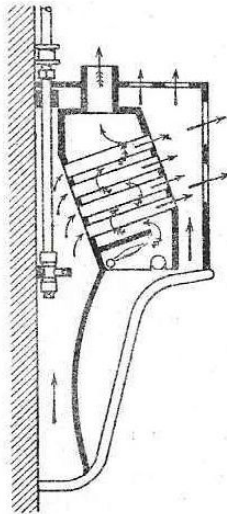


Fig. 12.

