

Рис. 2-1. Двухобмоточный трансформатор.

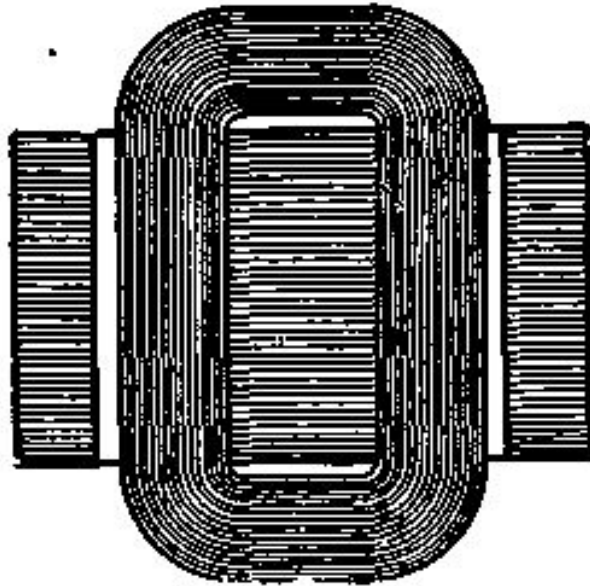
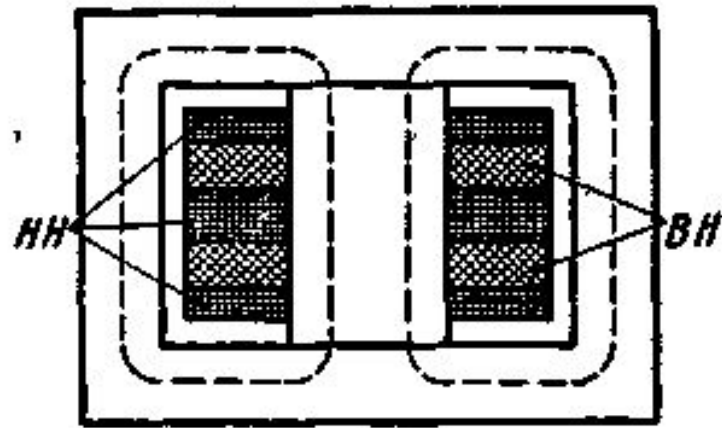


Рис. 2-8. Однофазный броневой трансформатор с дисковыми чередующимися обмотками.

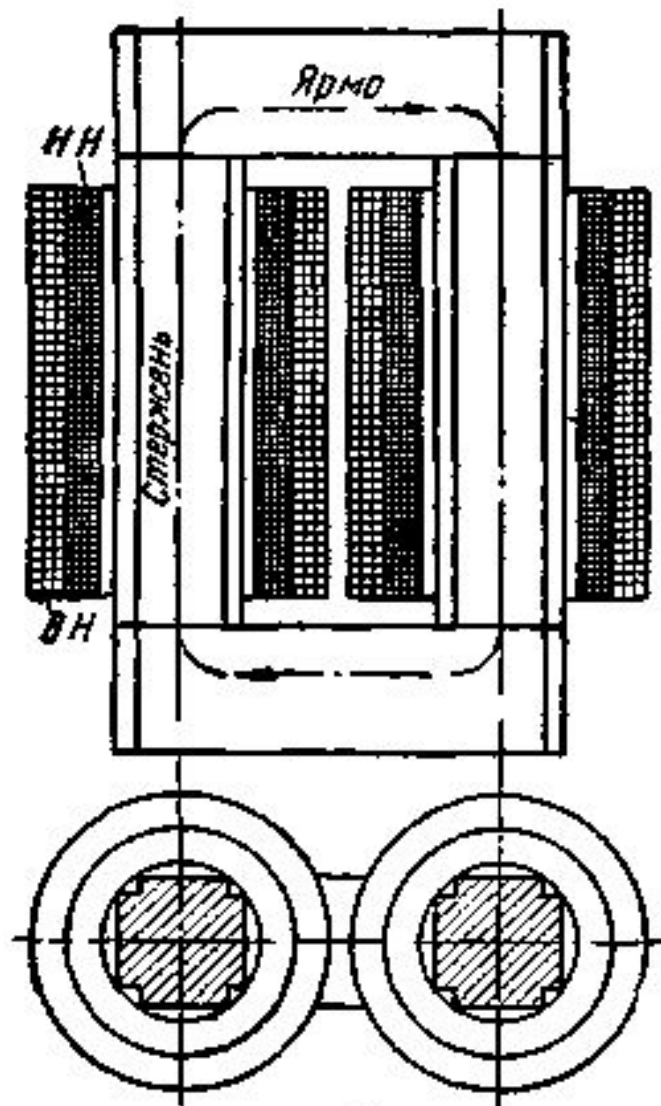
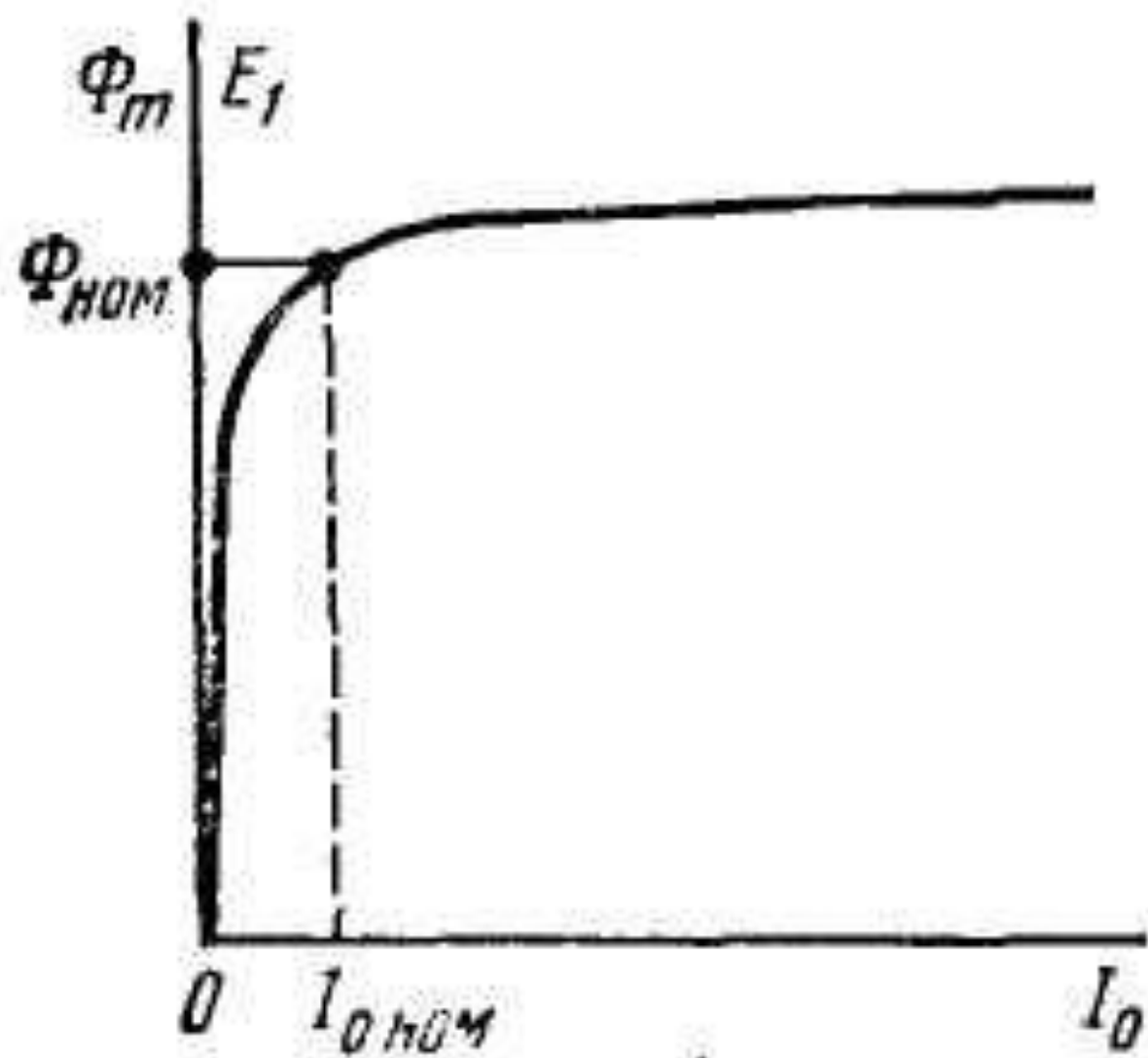
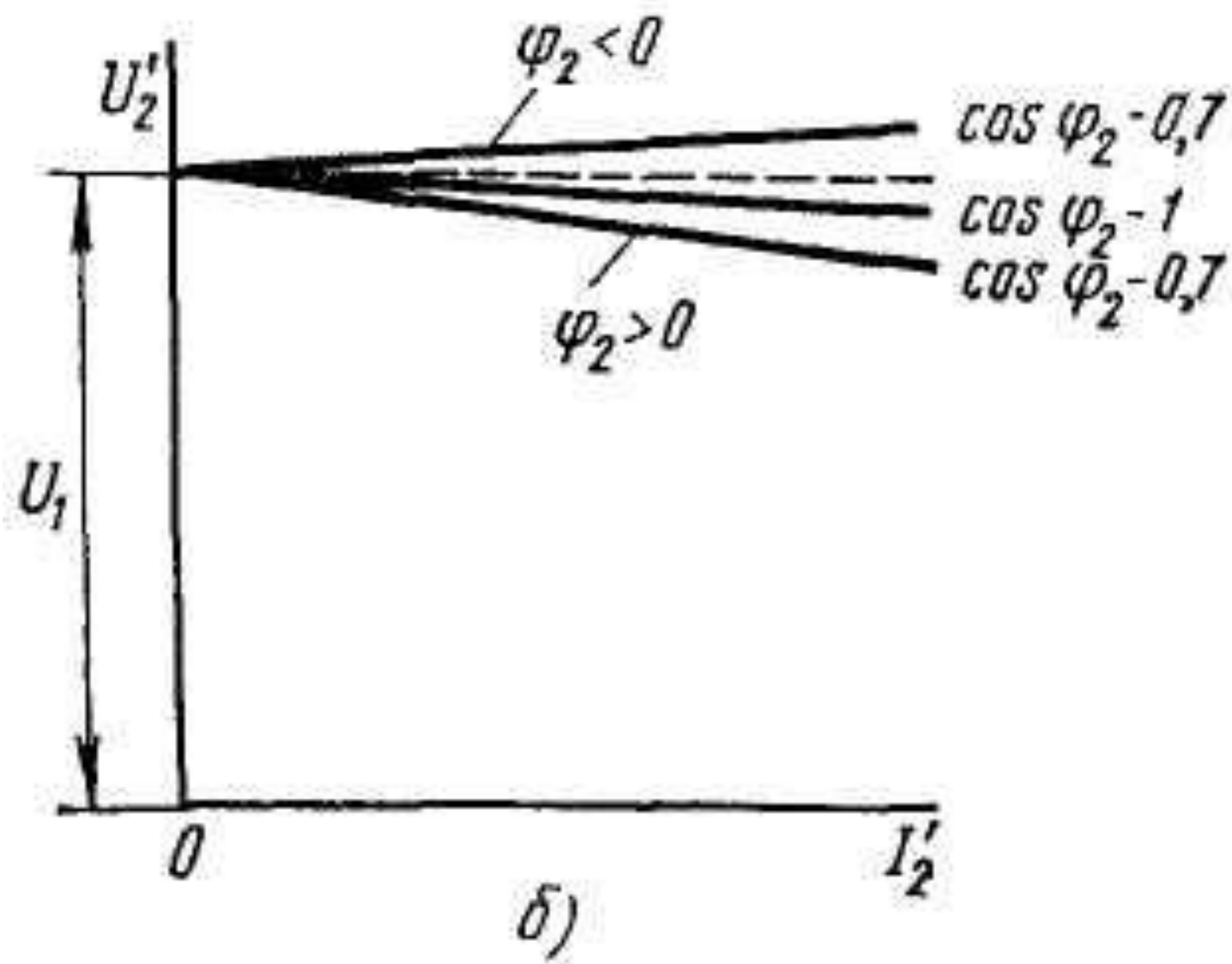
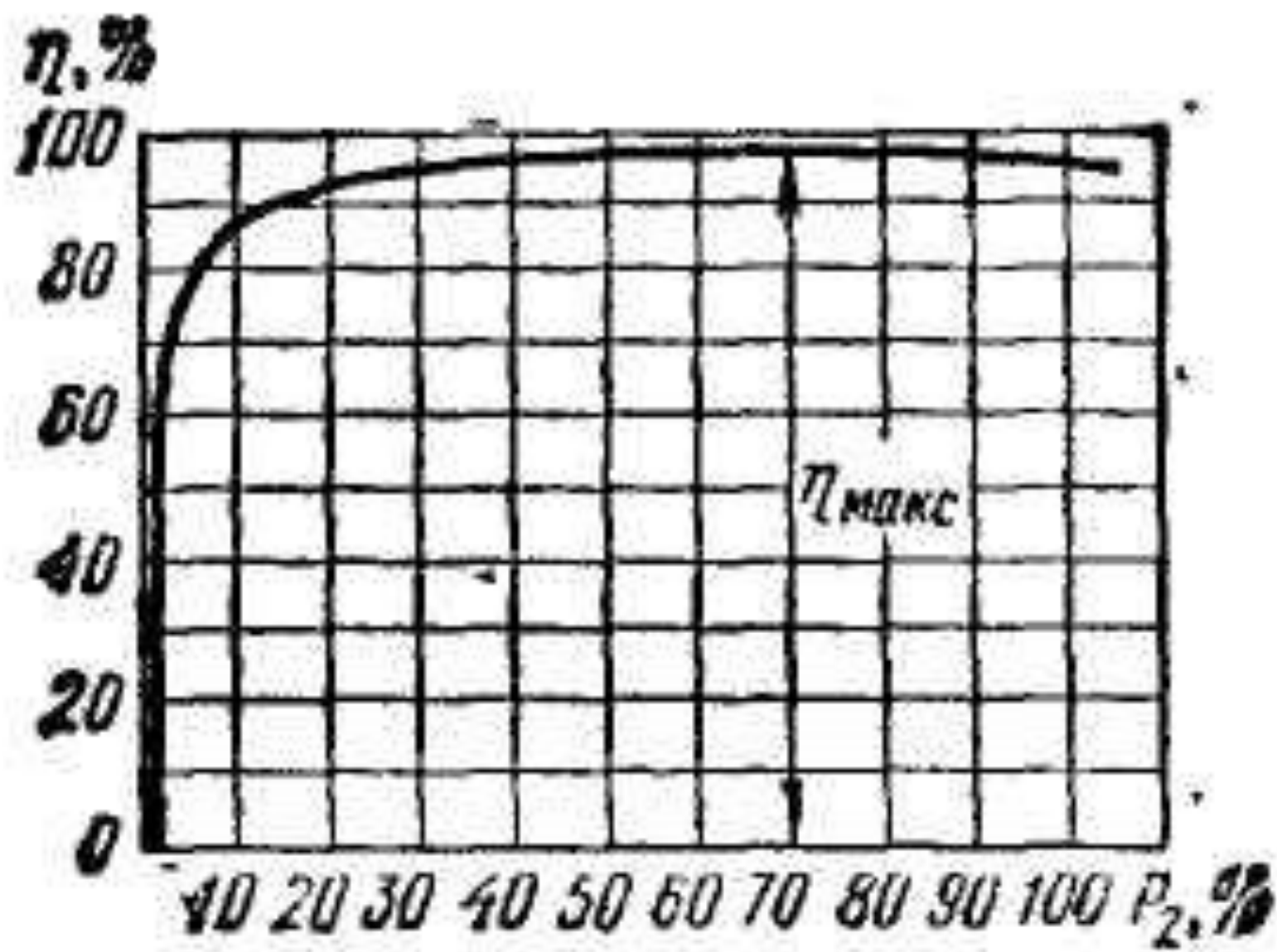


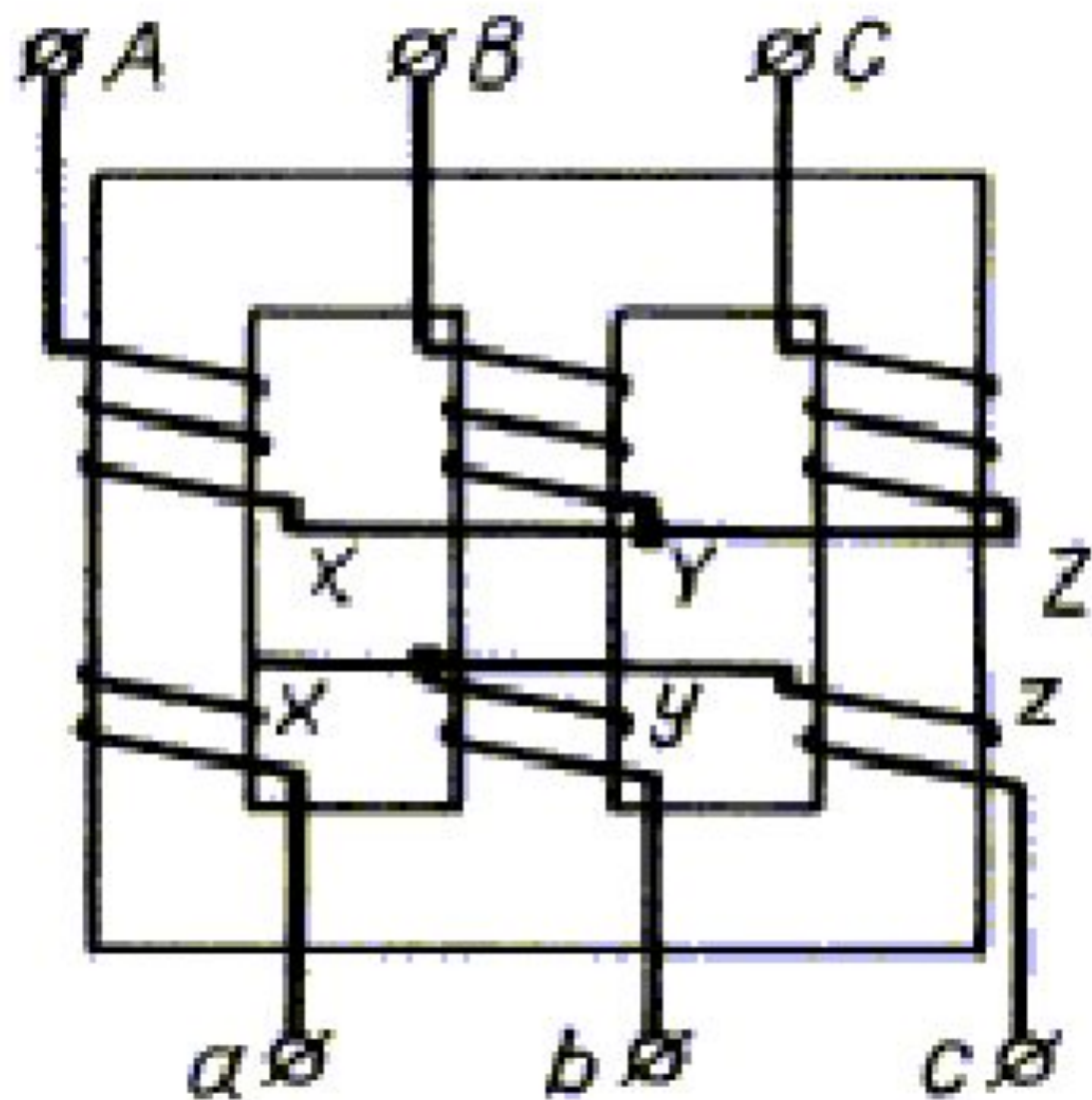
Рис. 2-9. Однофазный стержневой трансформатор с концентрическими обмотками.



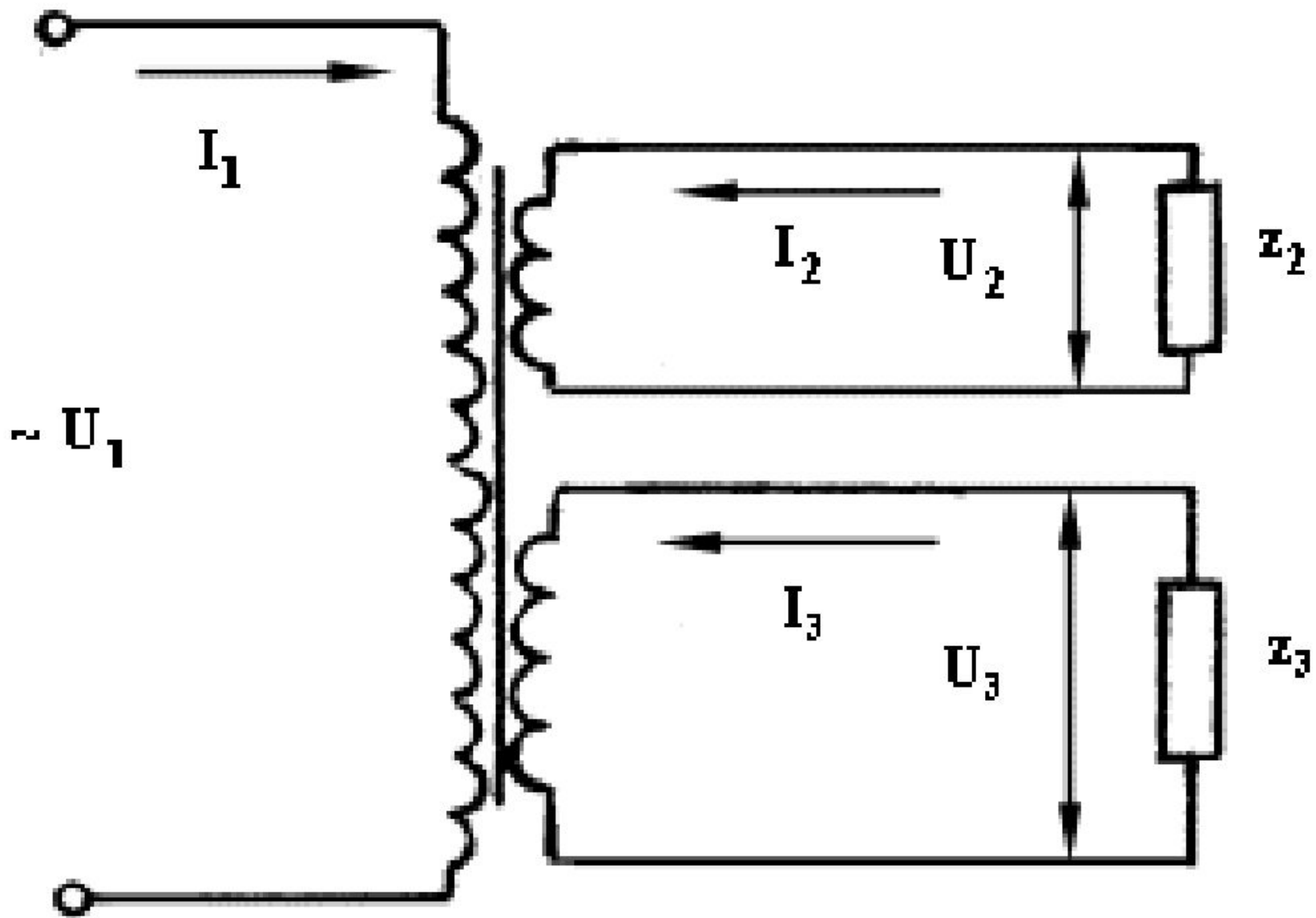
a)

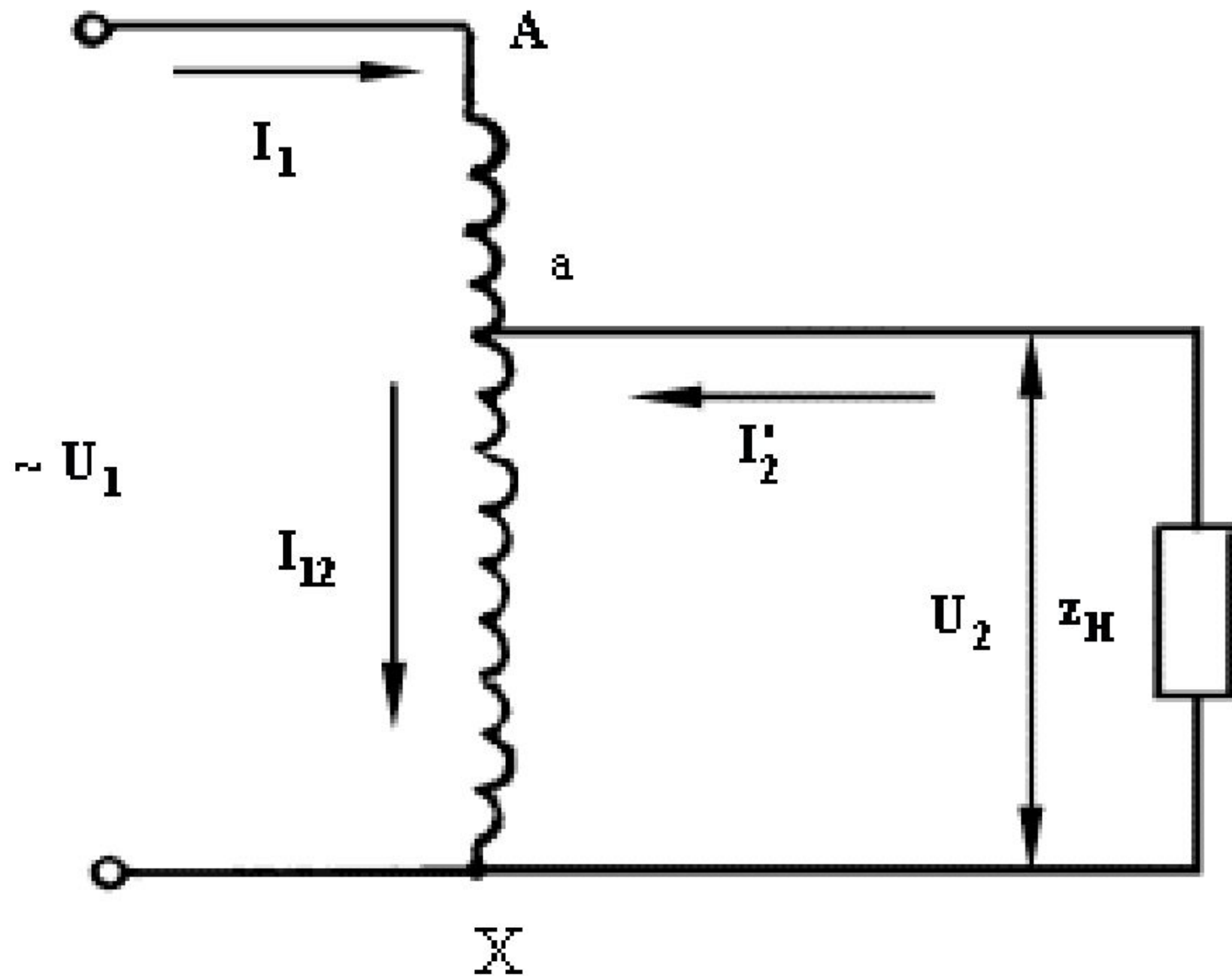






Внешние ман- ляжные	Внутренние ман- ляжные	Число обмоток ободных
		Y/Y_0
		Y/Δ''
		Y/Δ''
		Δ/Y''





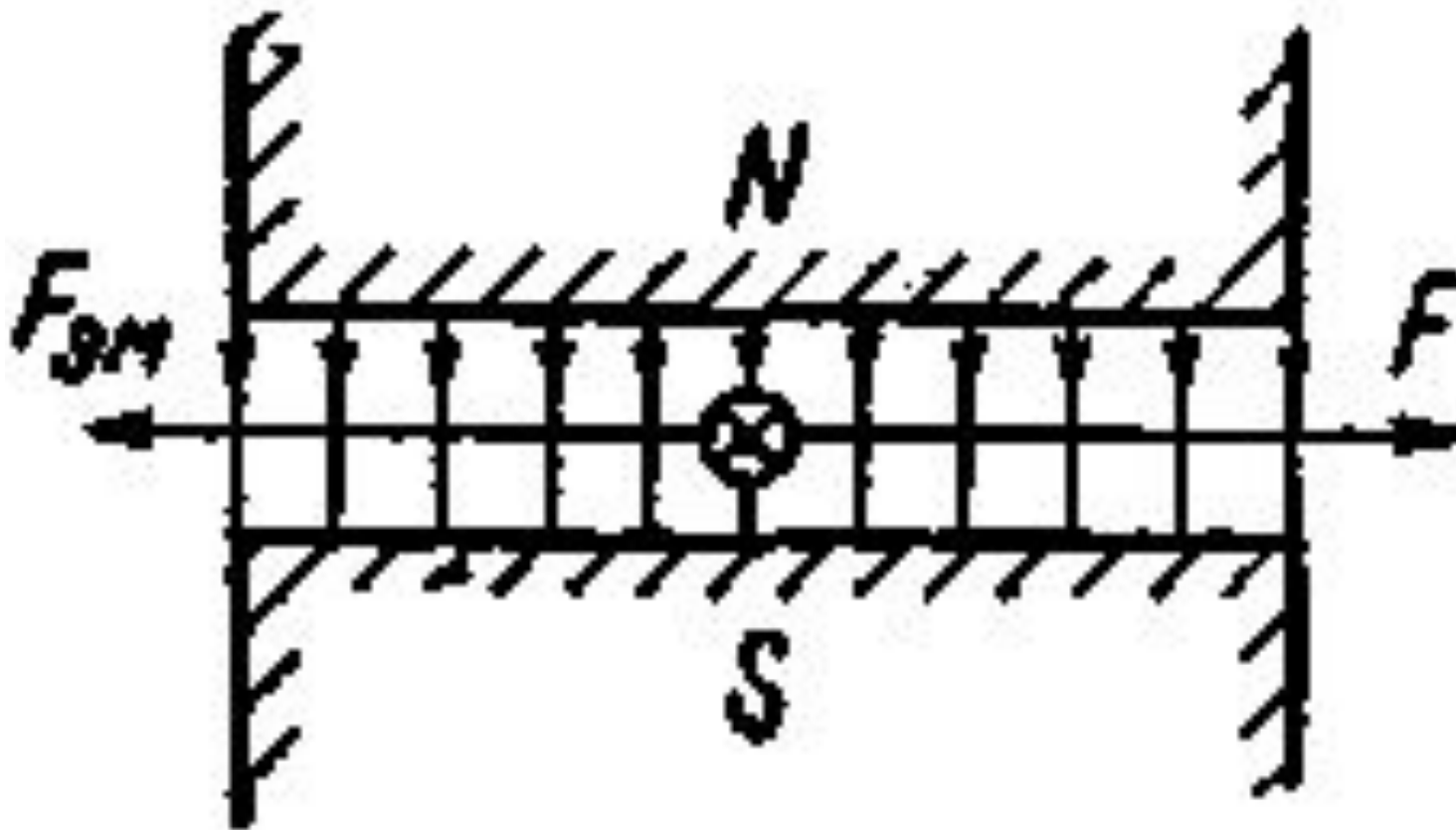


Рис. 1-2. К объяснению принципа действия электрических машин.

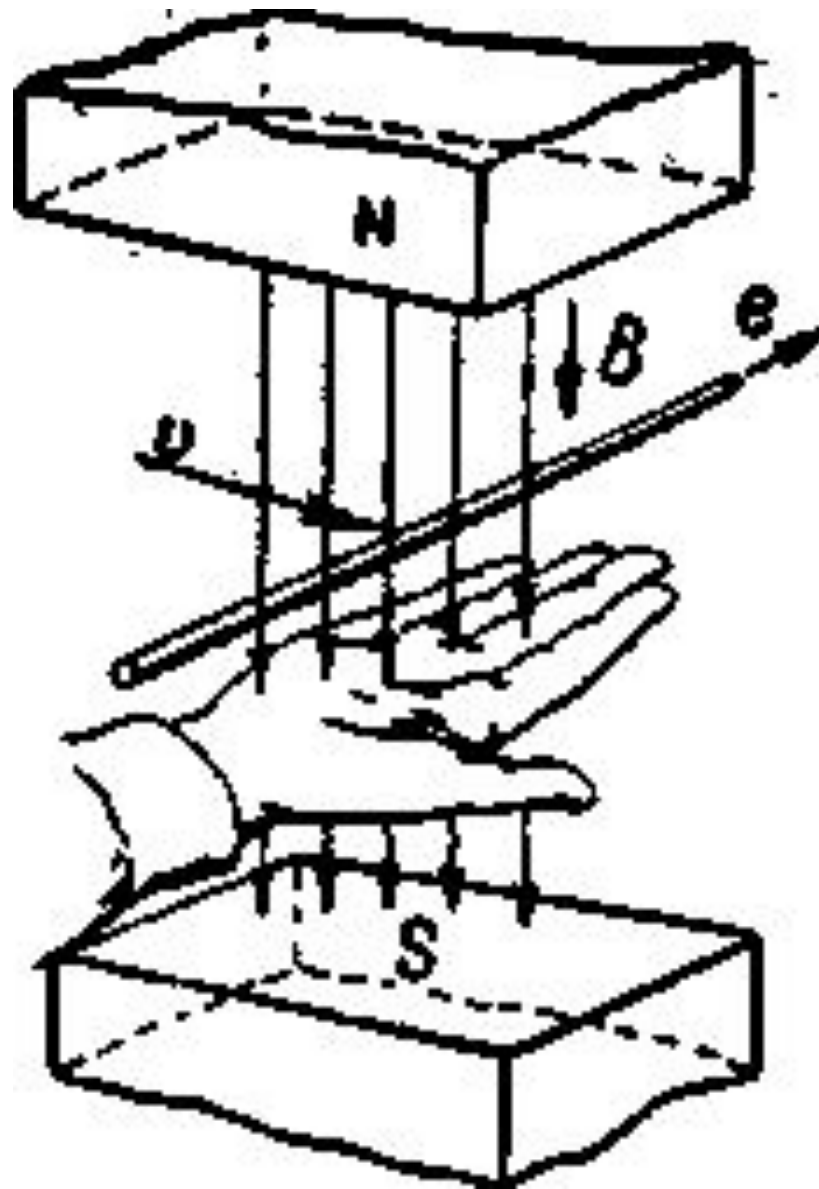


Рис. 1-3. Правило правой руки.

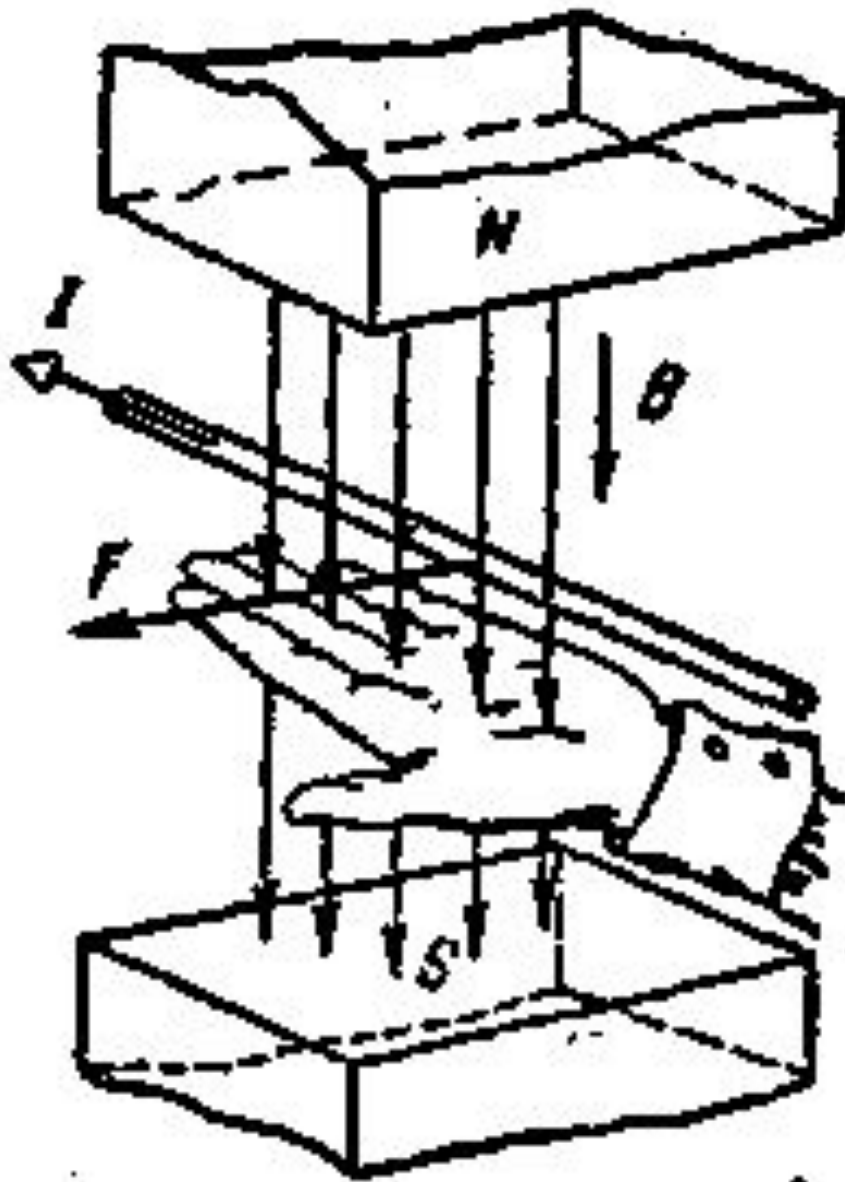
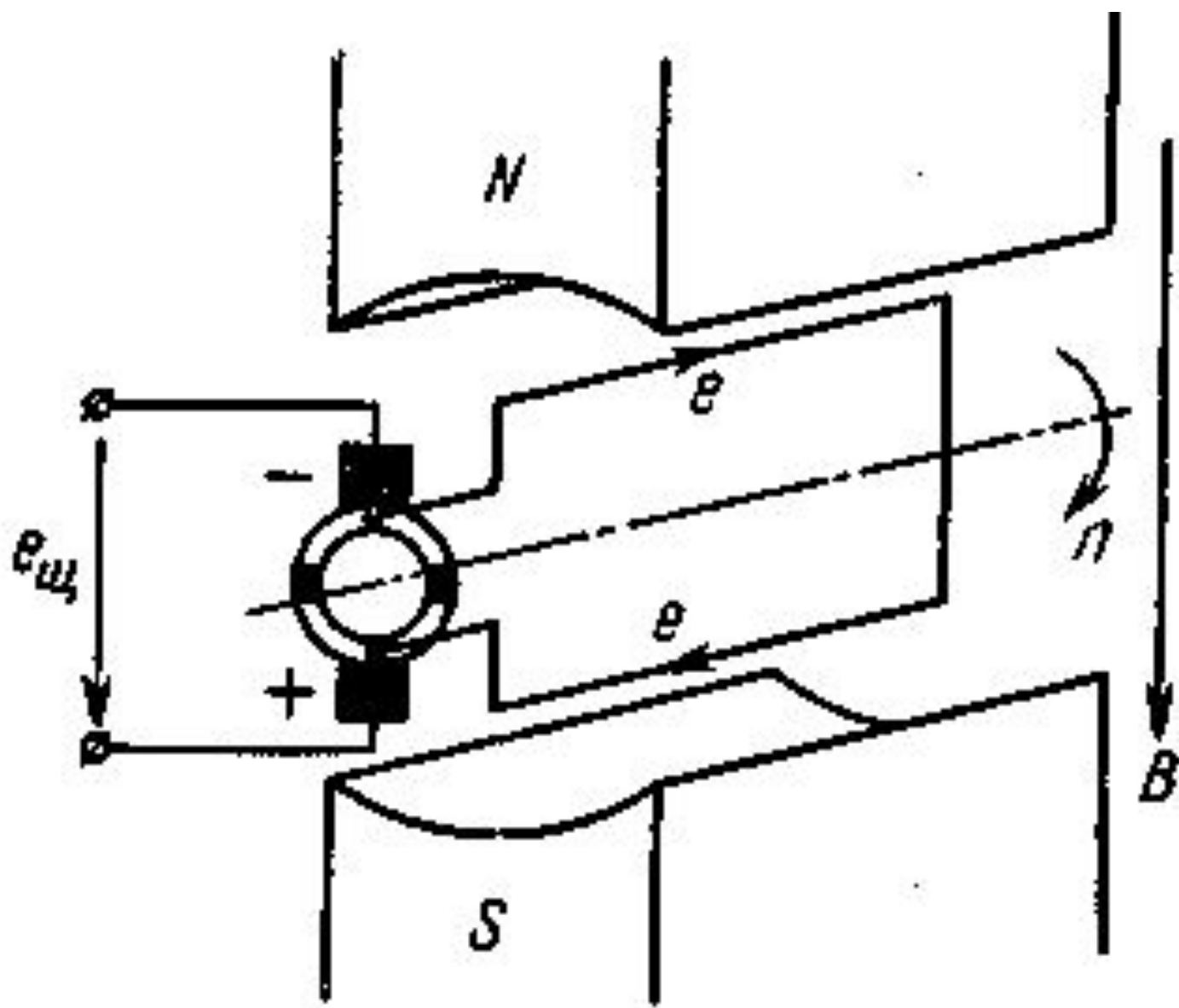
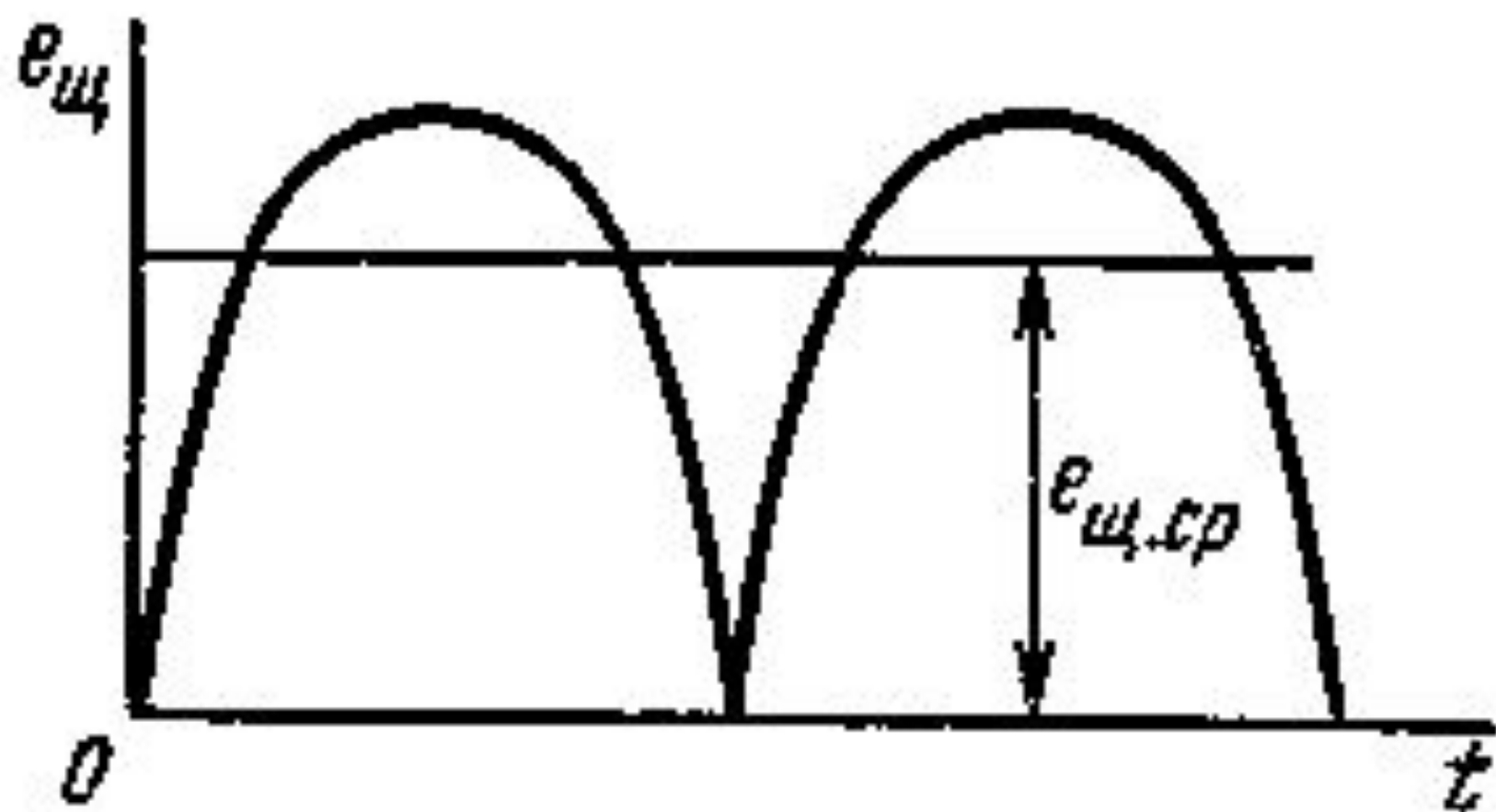
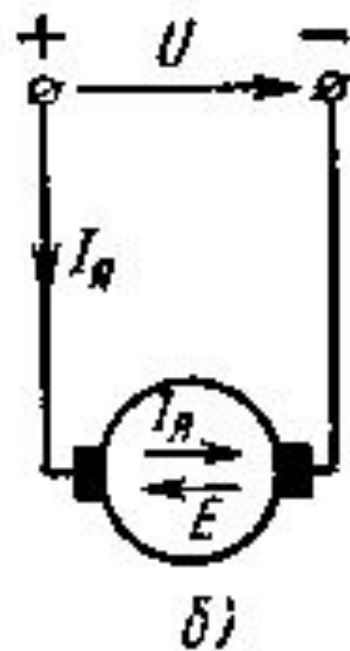
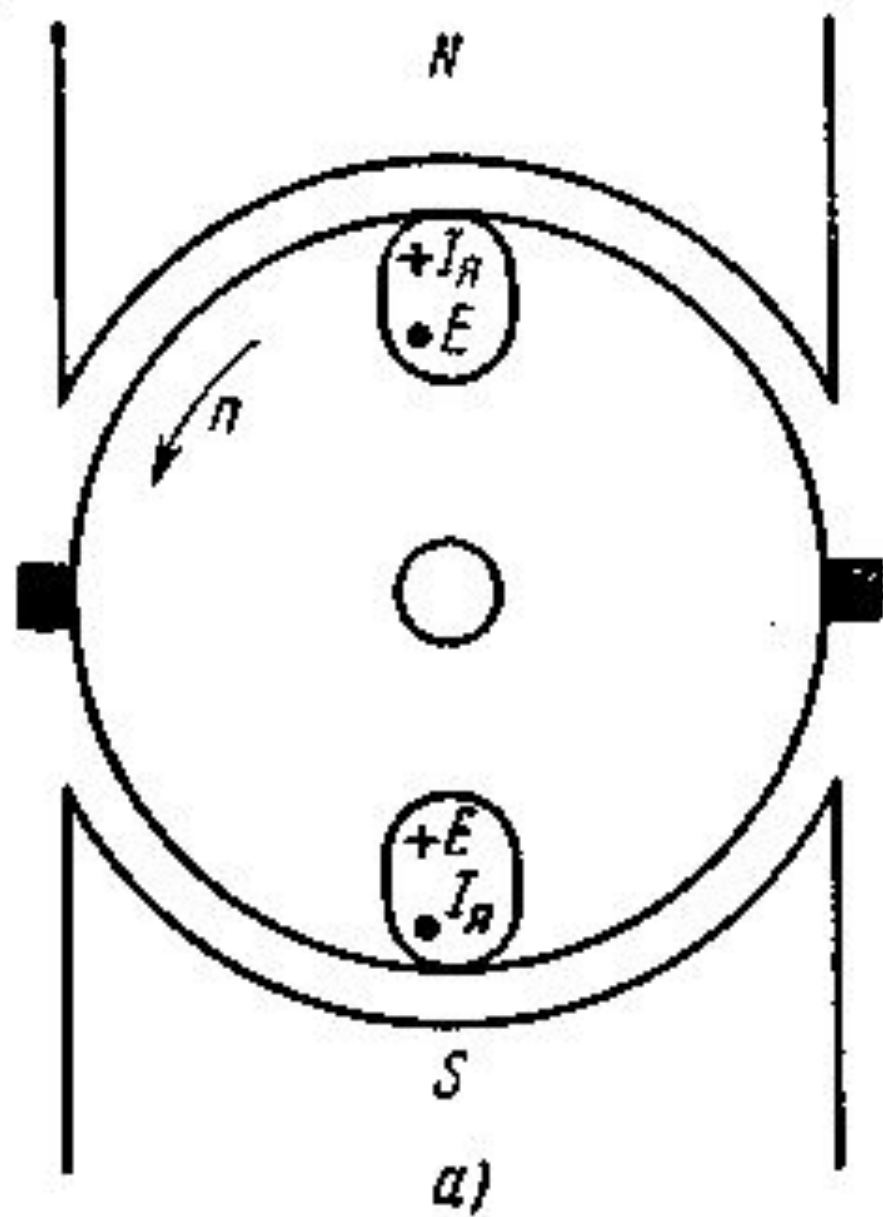
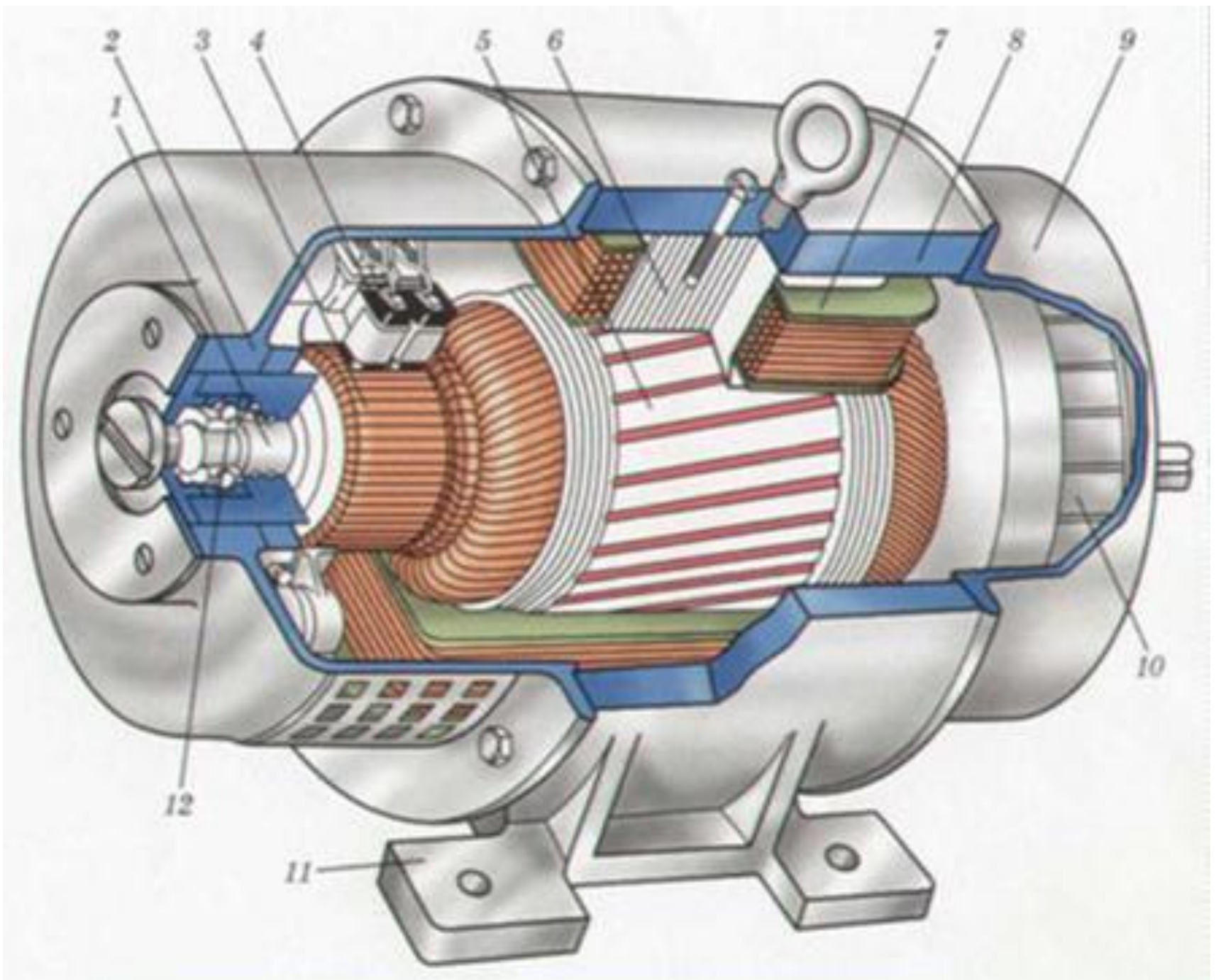


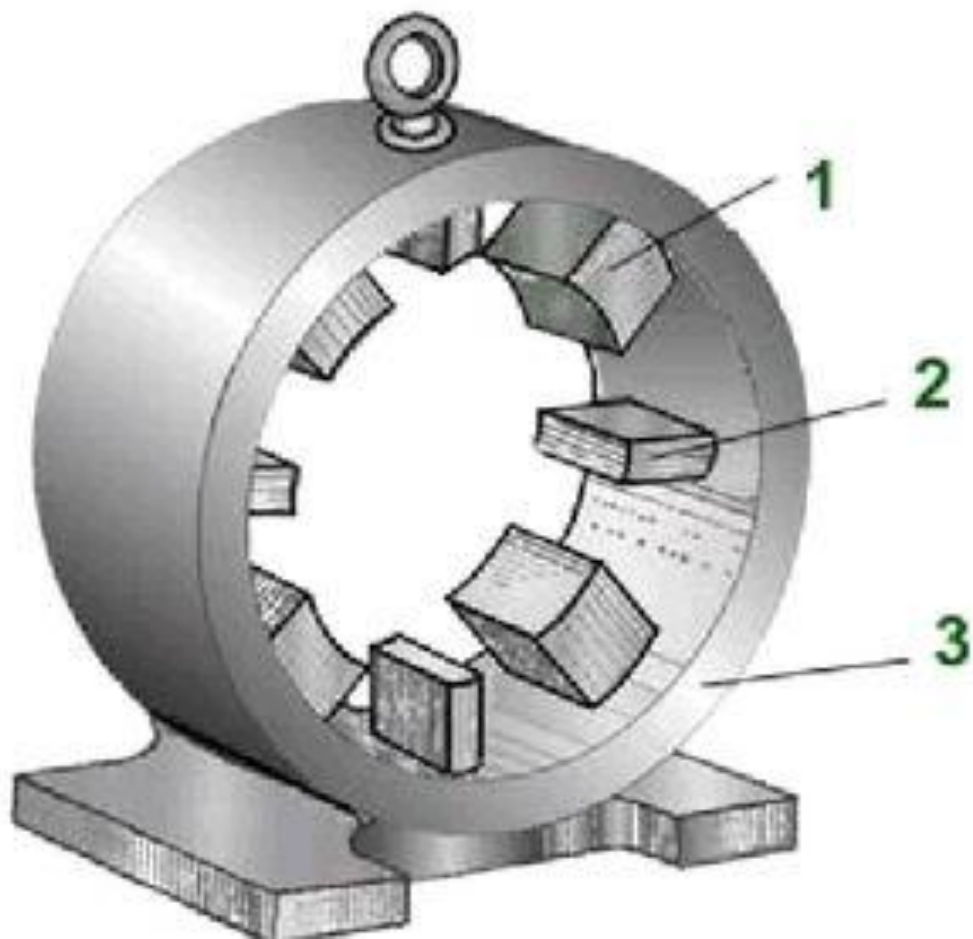
Рис. 1-4. Правило левой руки.



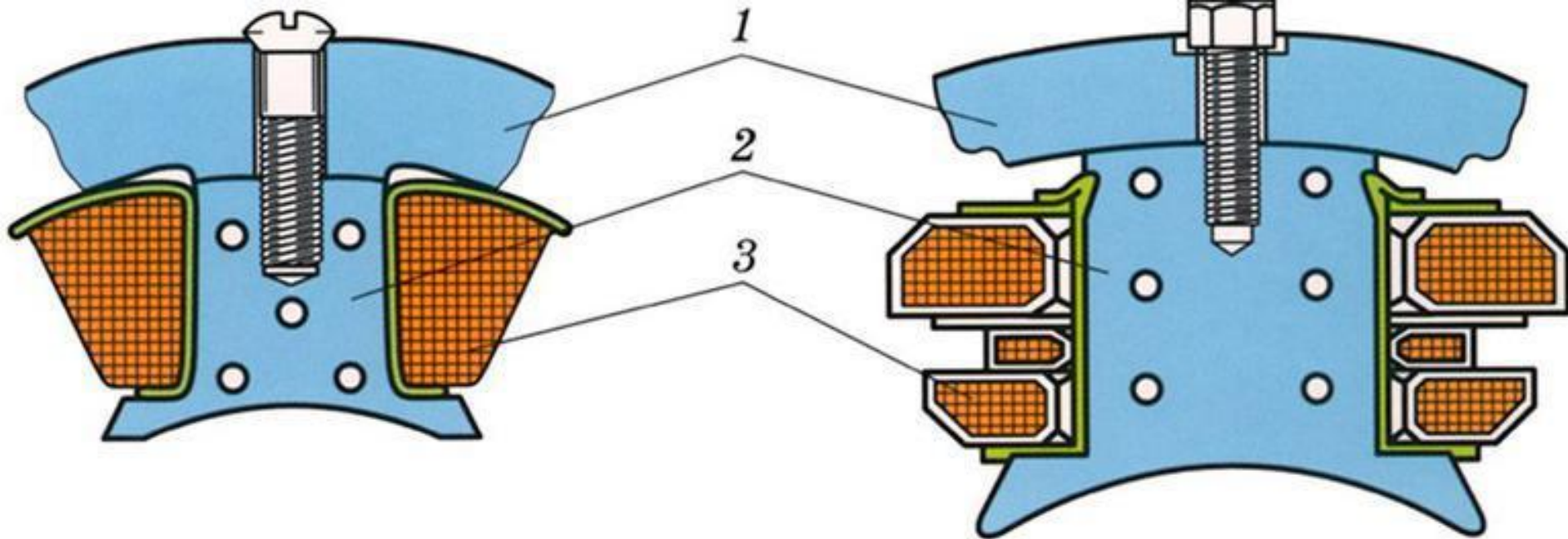
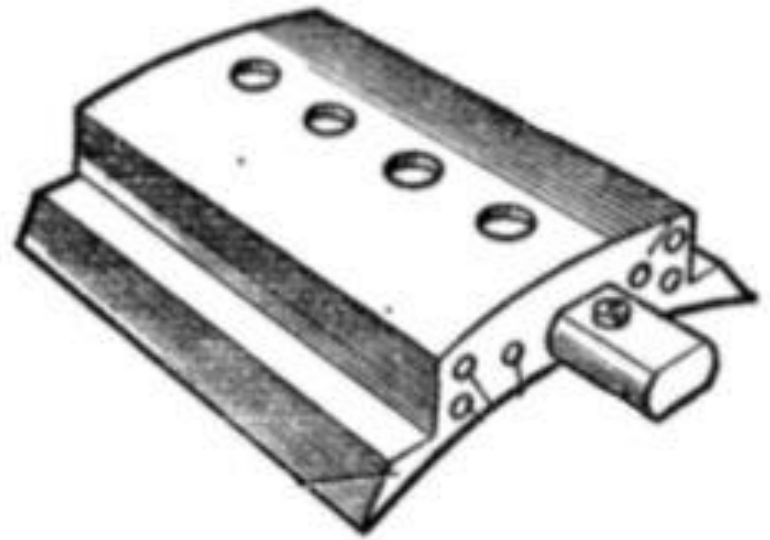
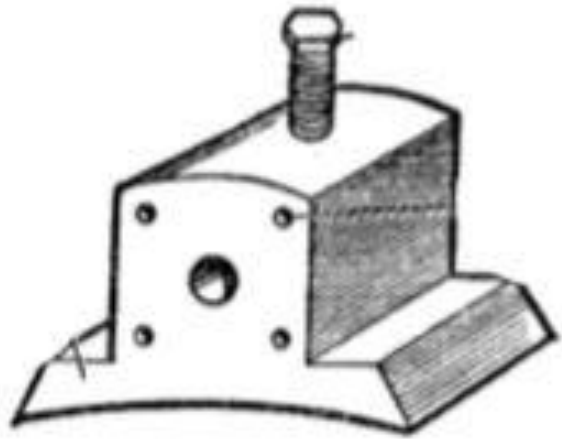


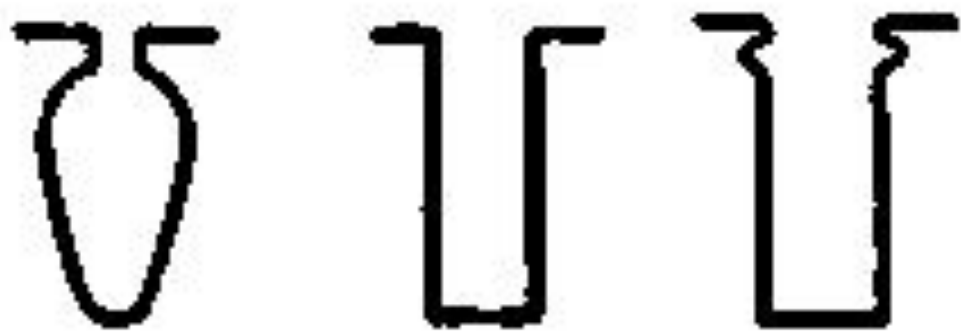
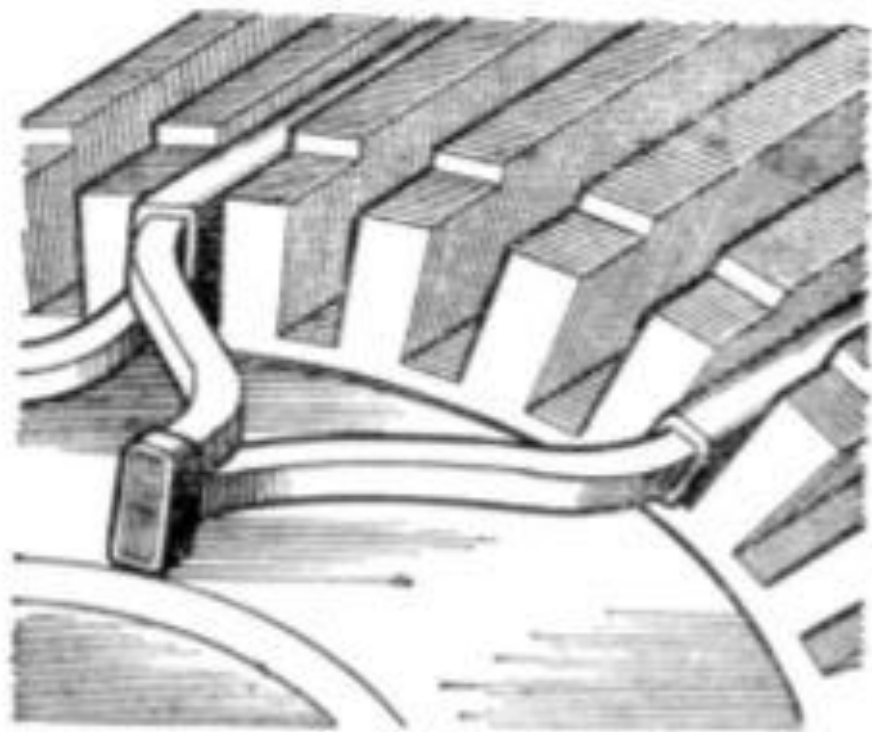
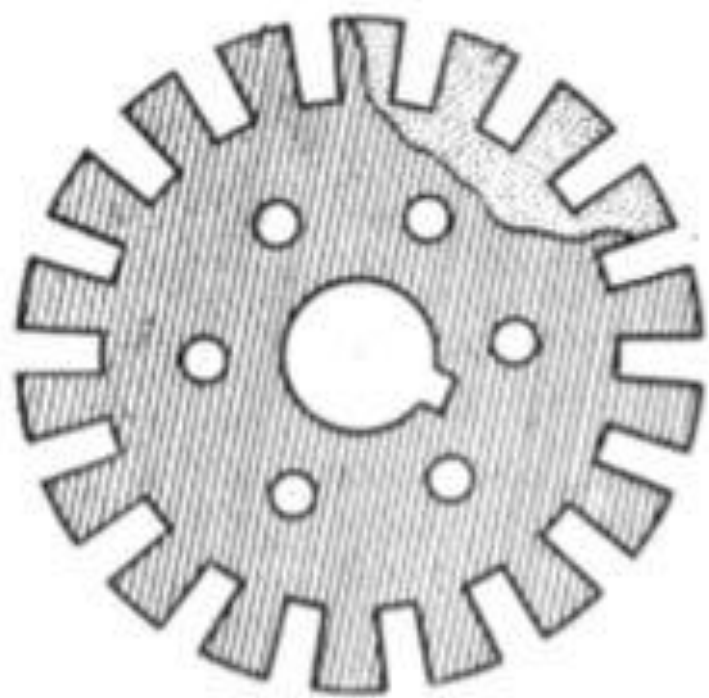


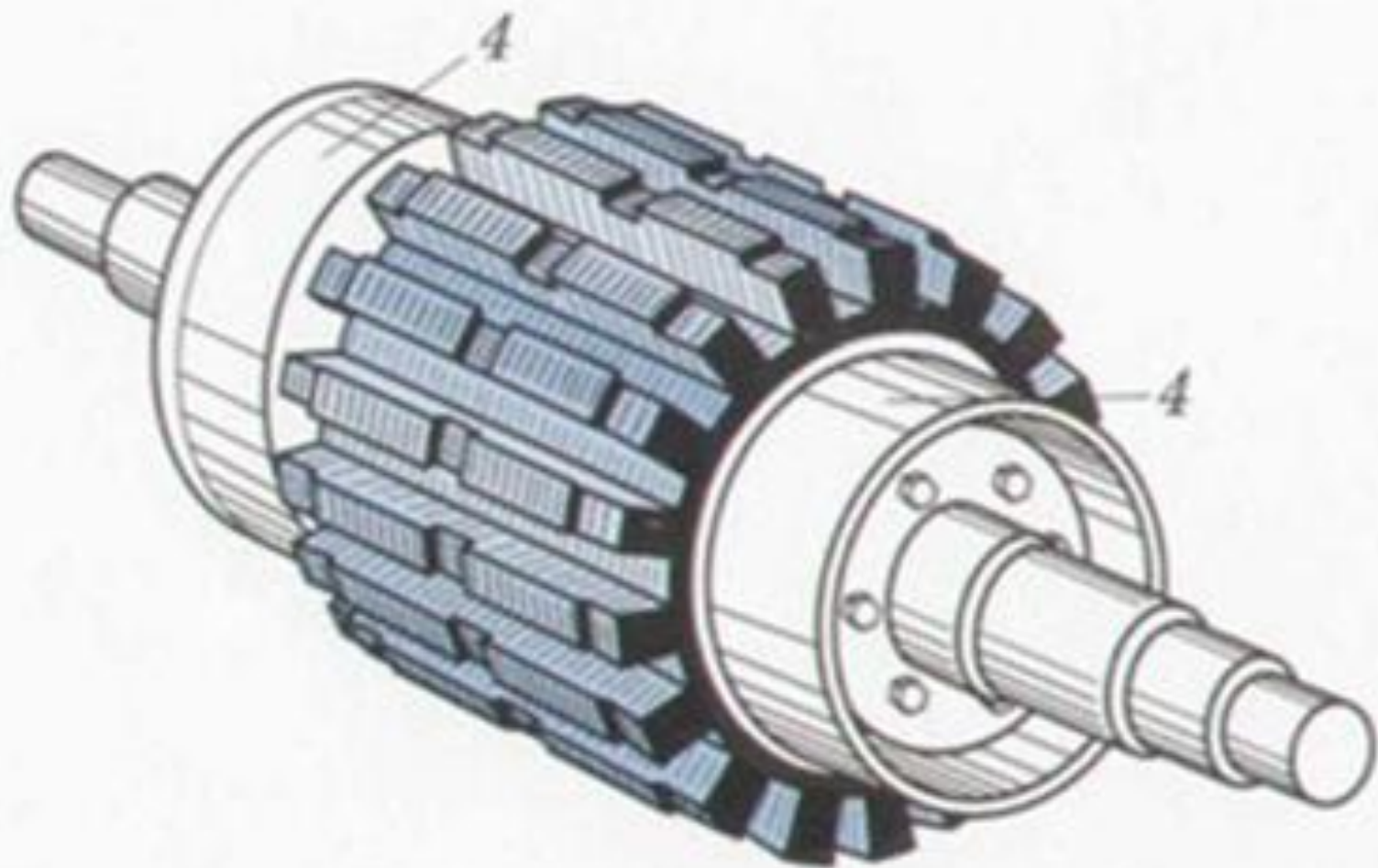




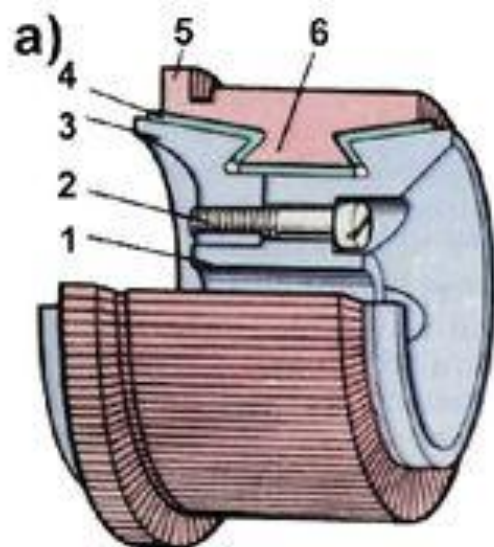
1 - главные полюсы,
2 - дополнительные полюсы,
3 - станина.



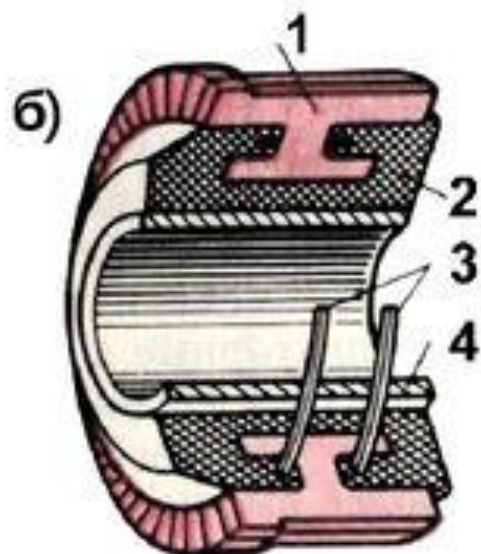




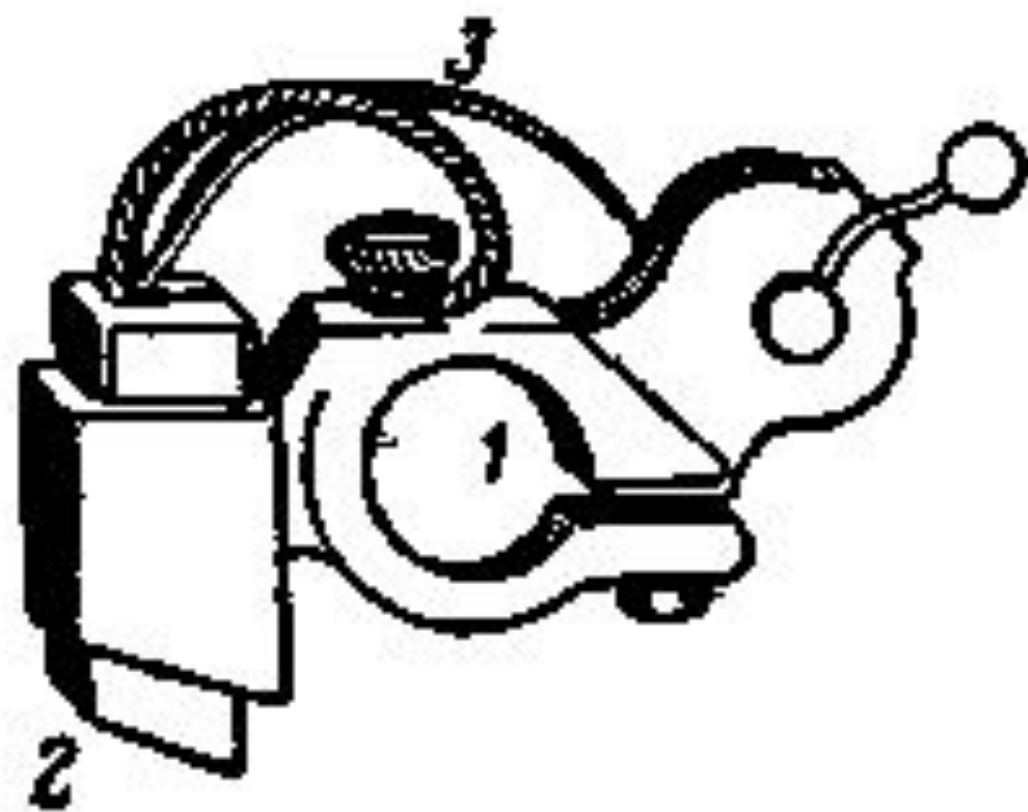
якорь без обмотки



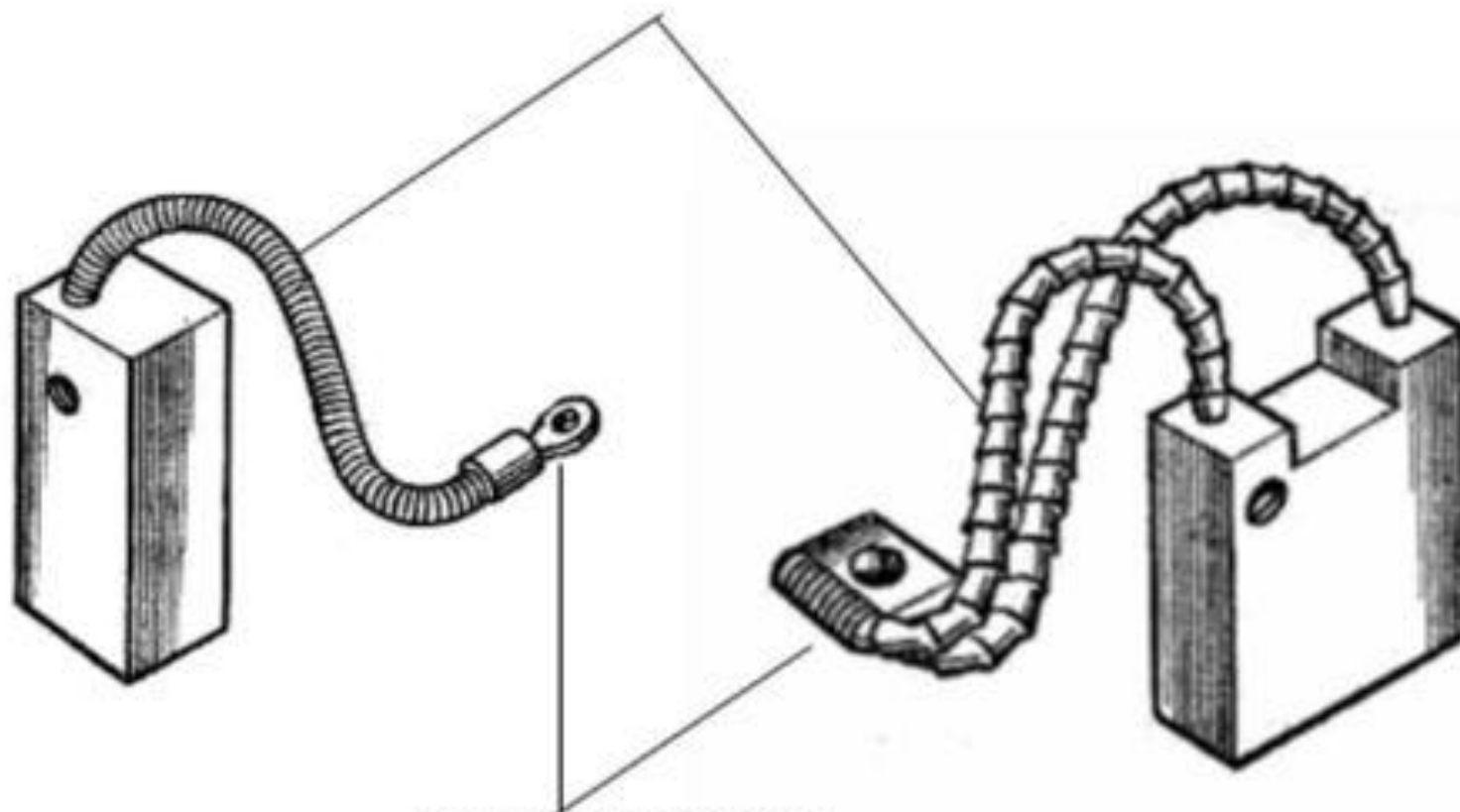
- 1,3 – конусные стальные шайбы.
- 2 – винты.
- 4 – микантовые прокладки.
- 5 – верхняя часть коллекторных пластин.
- 6 – нижняя часть коллекторных пластин.



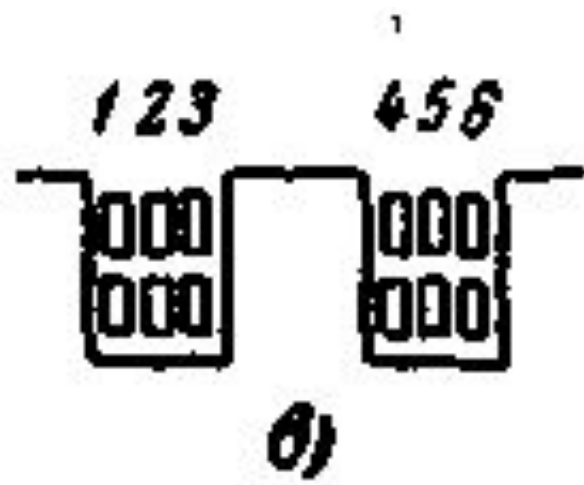
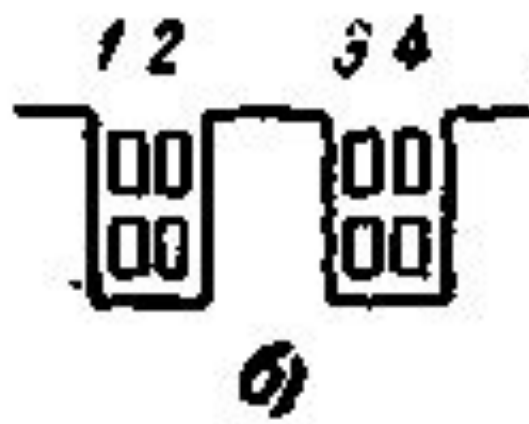
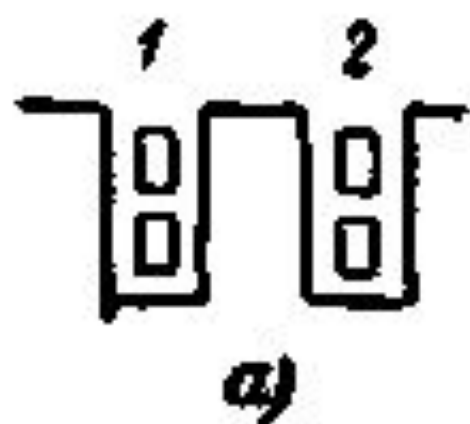
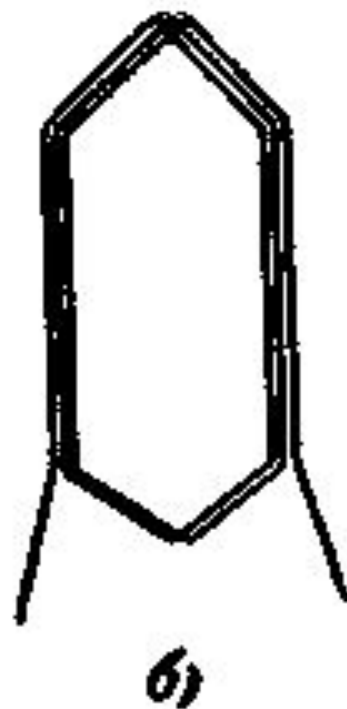
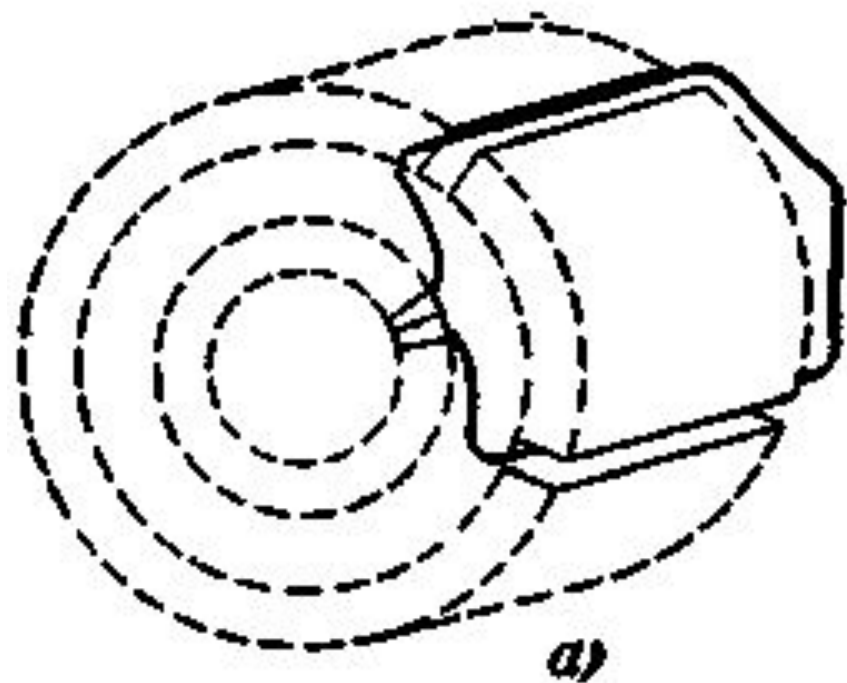
- 1 – набор пластин.
- 2 – пластмасса.
- 3 – армирующие стальные кольца.
- 4 – стальная втулка.

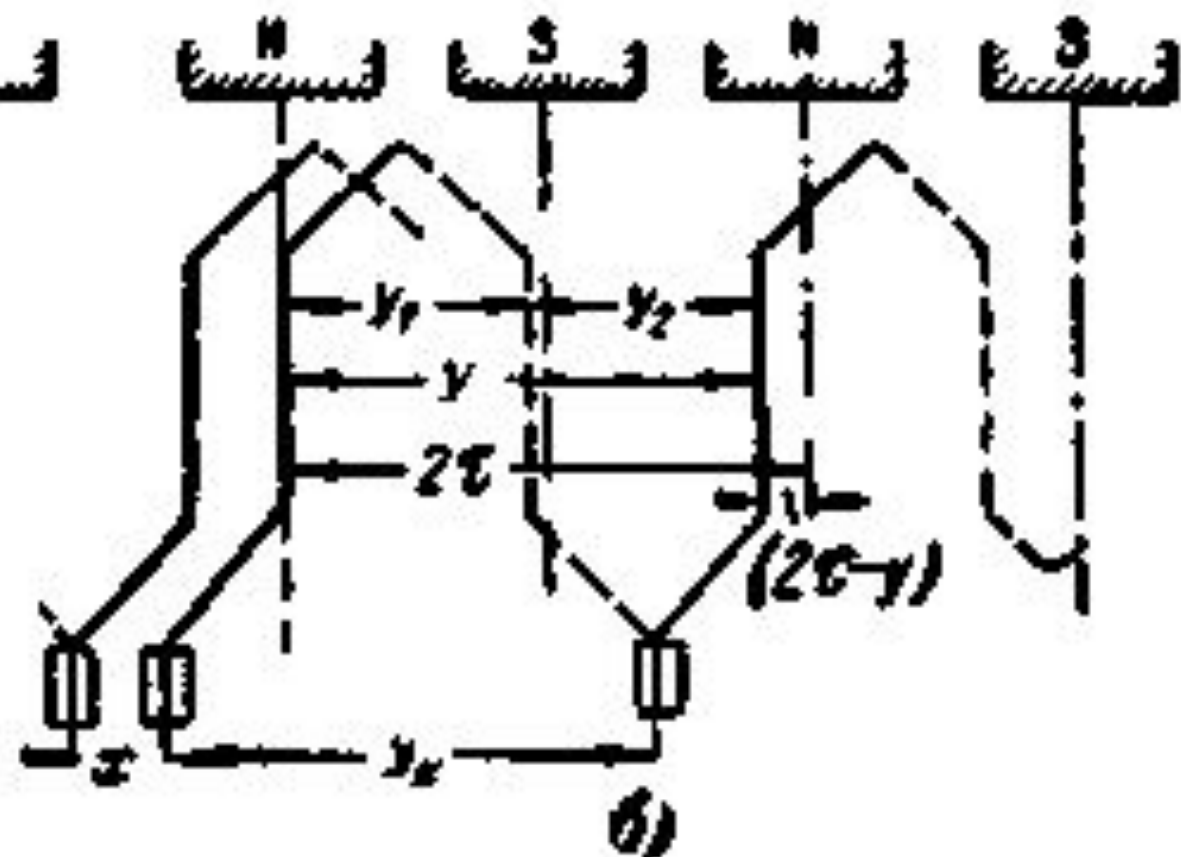
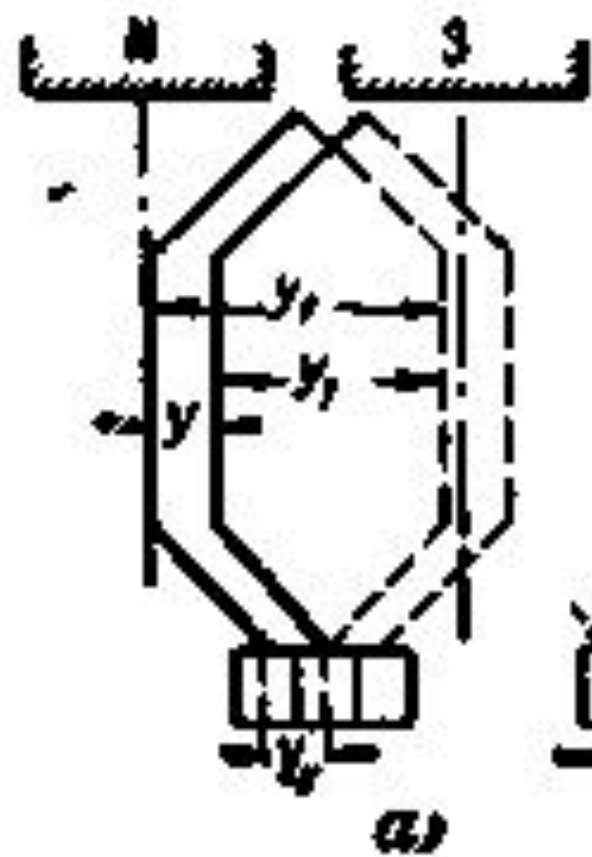


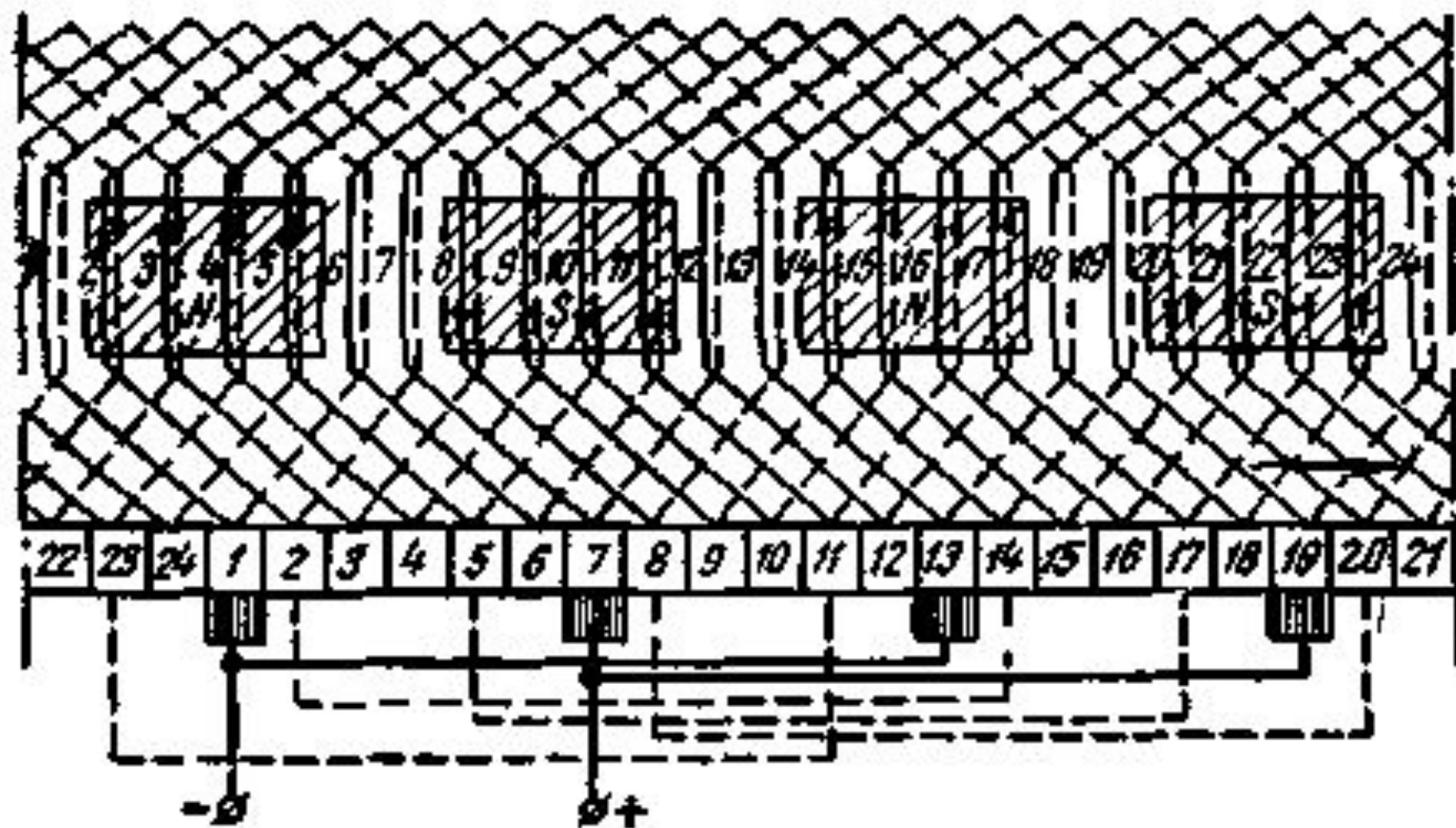
щеточный канатик

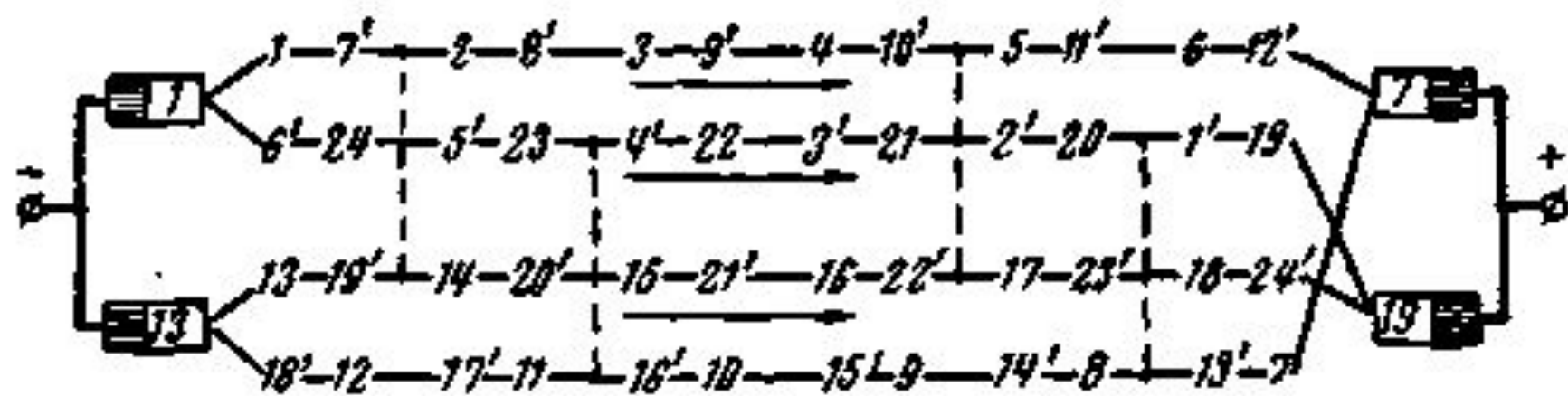


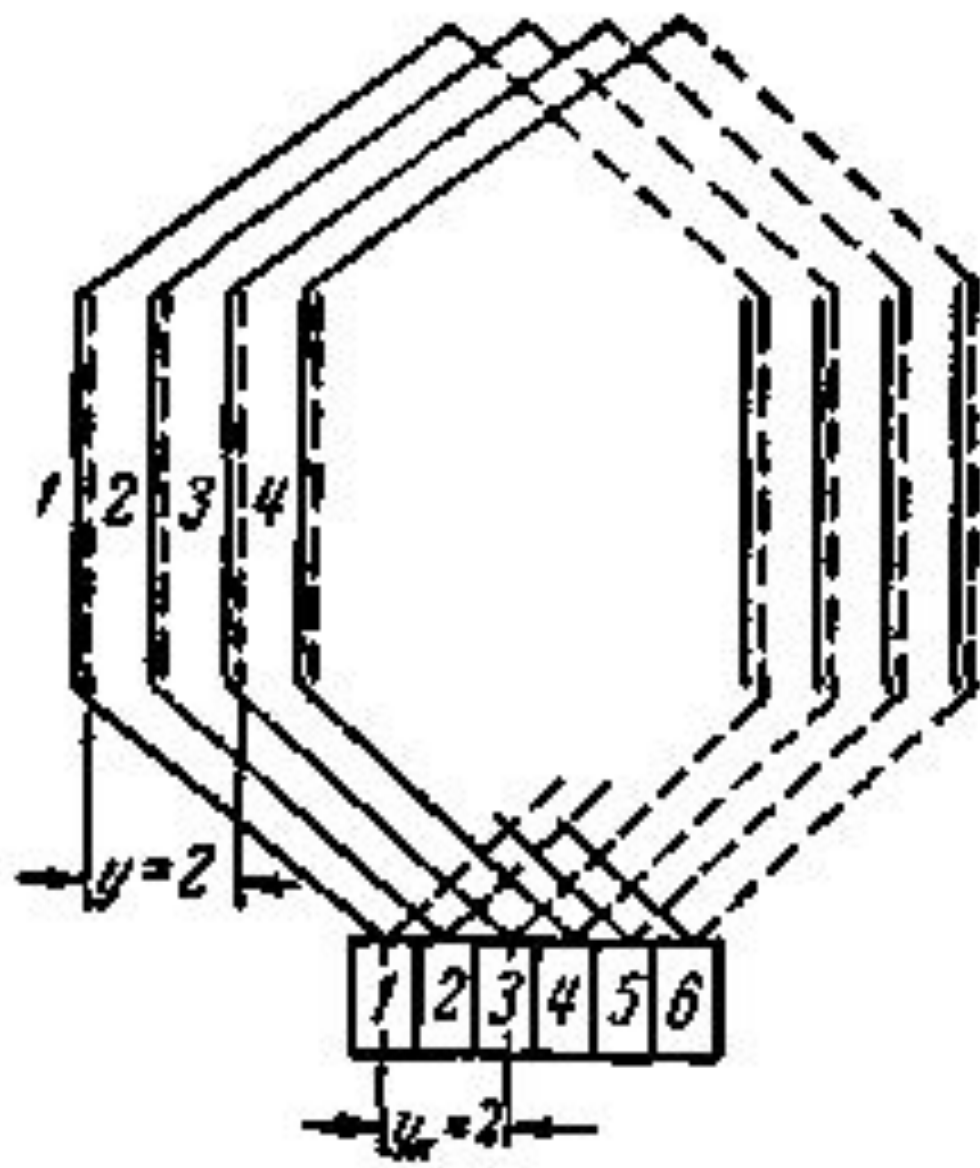
наконечник

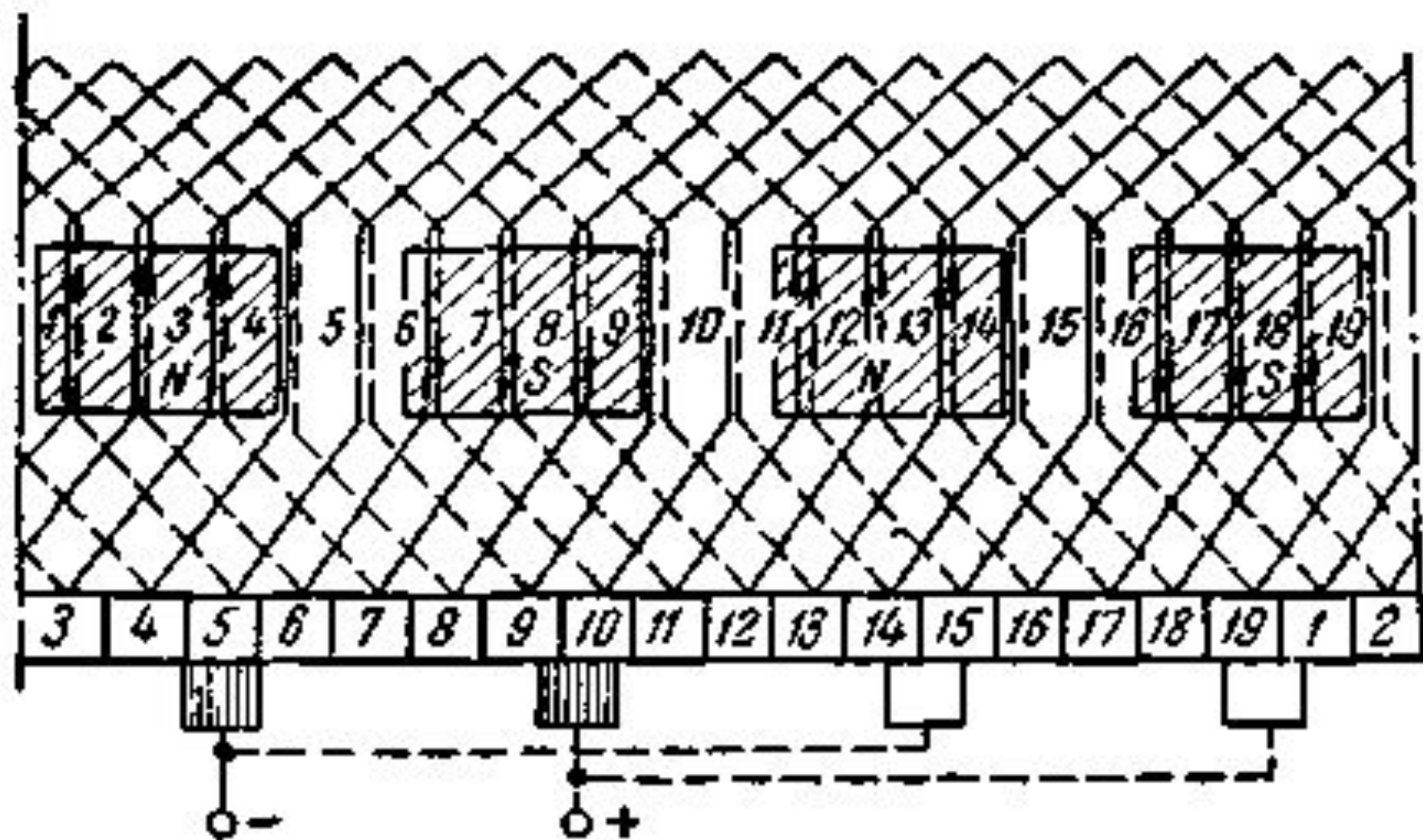


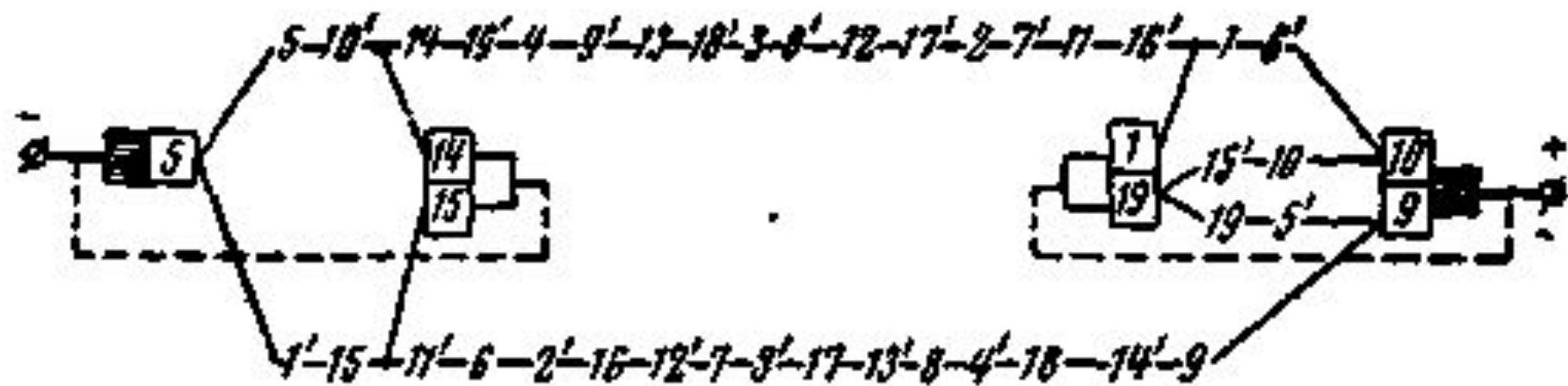


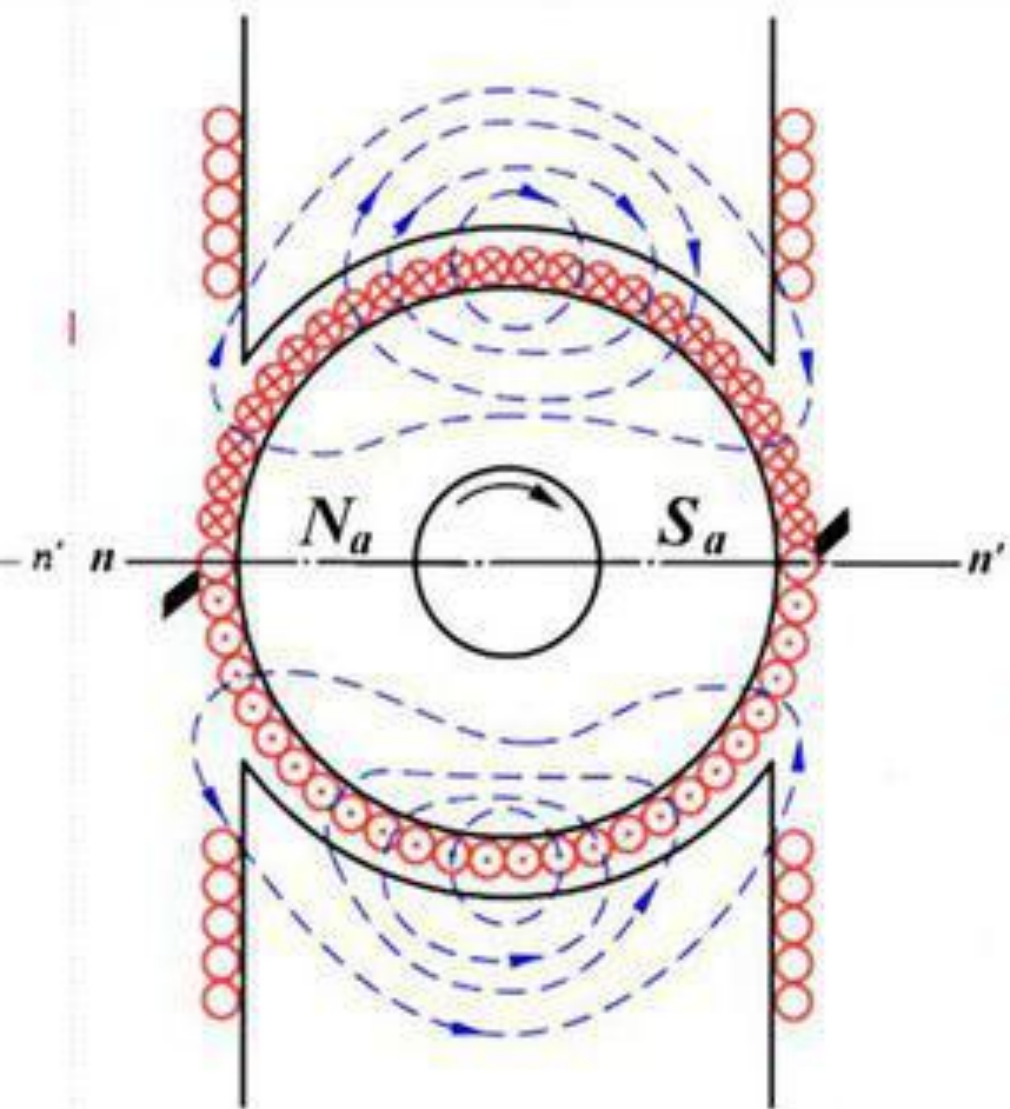
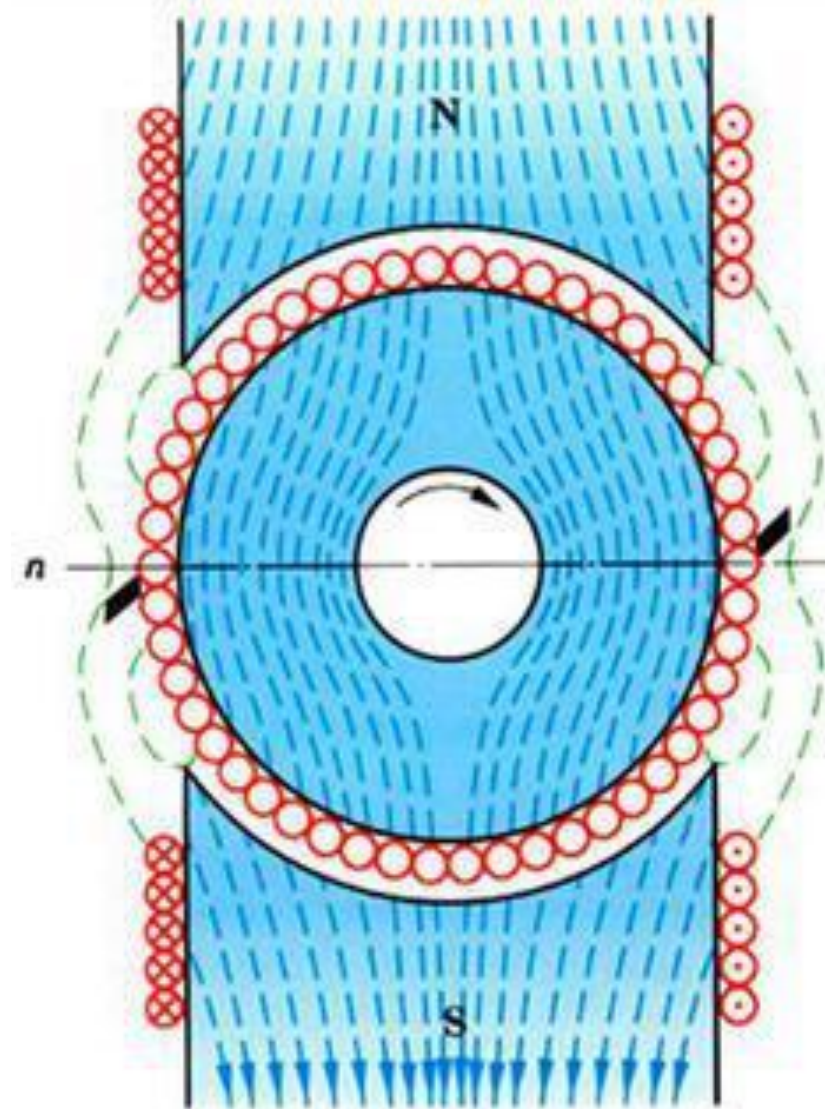


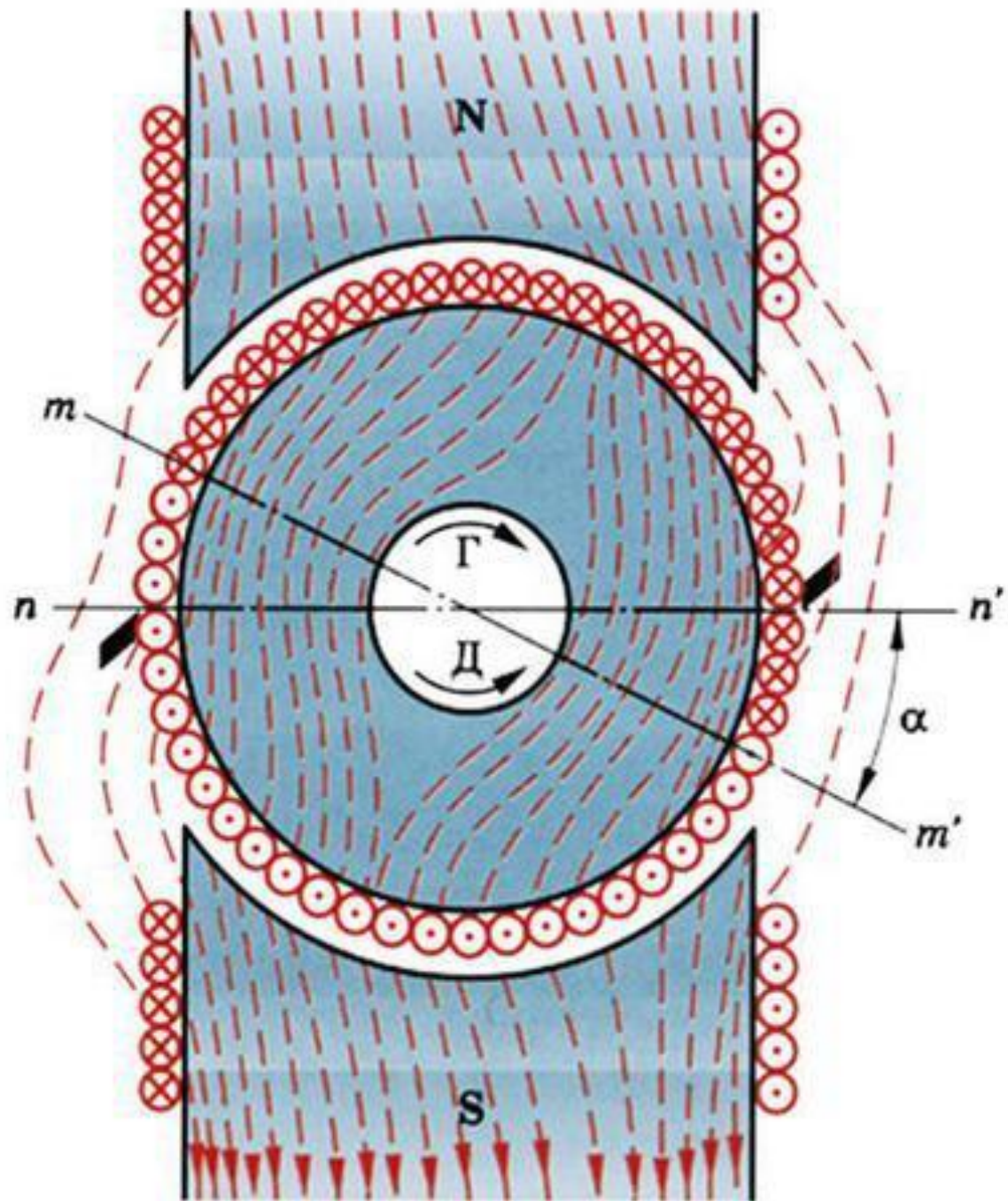


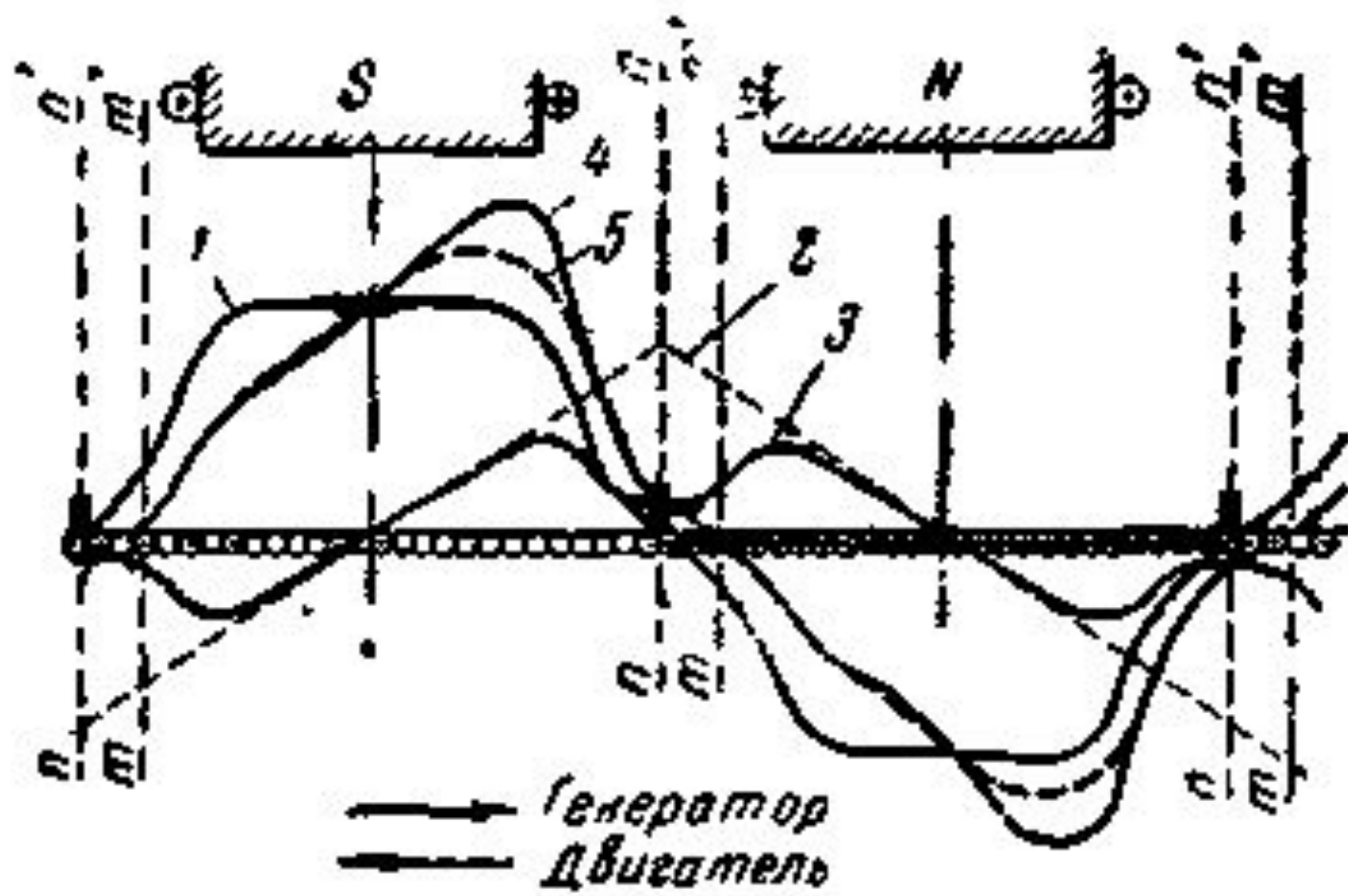


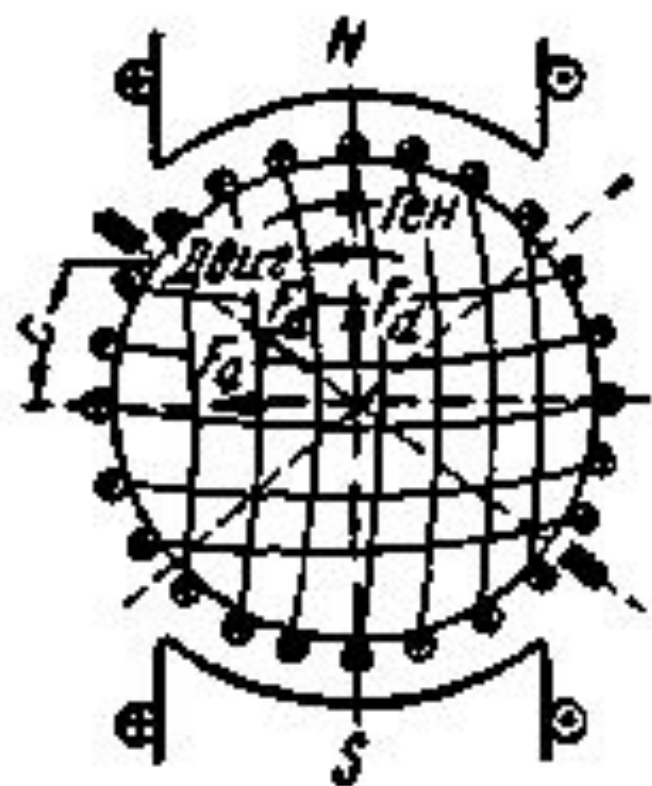




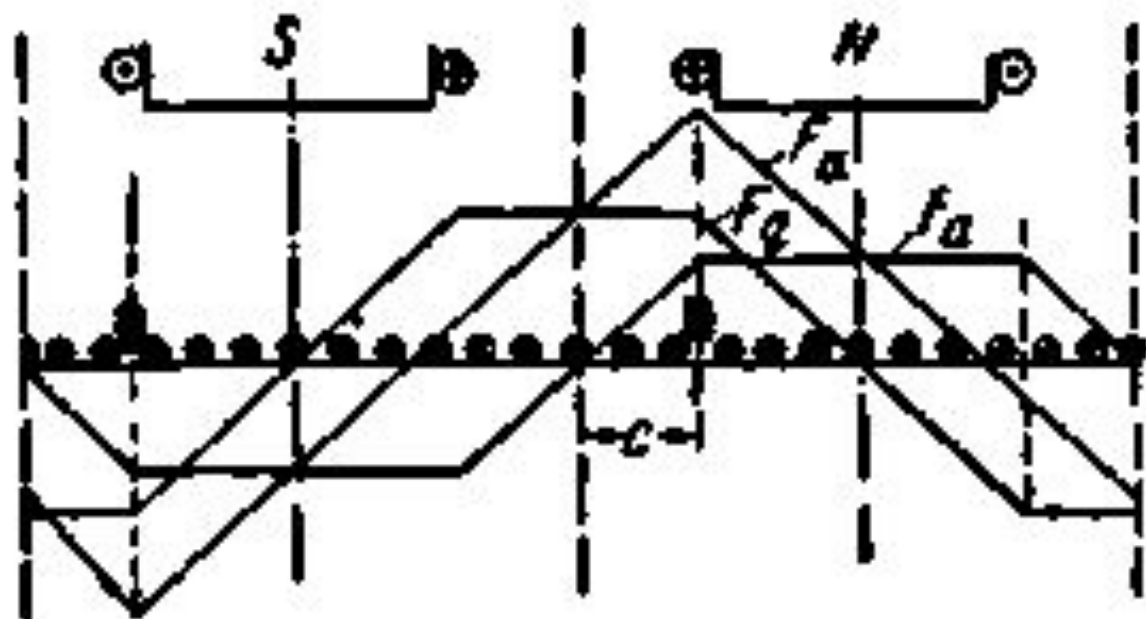




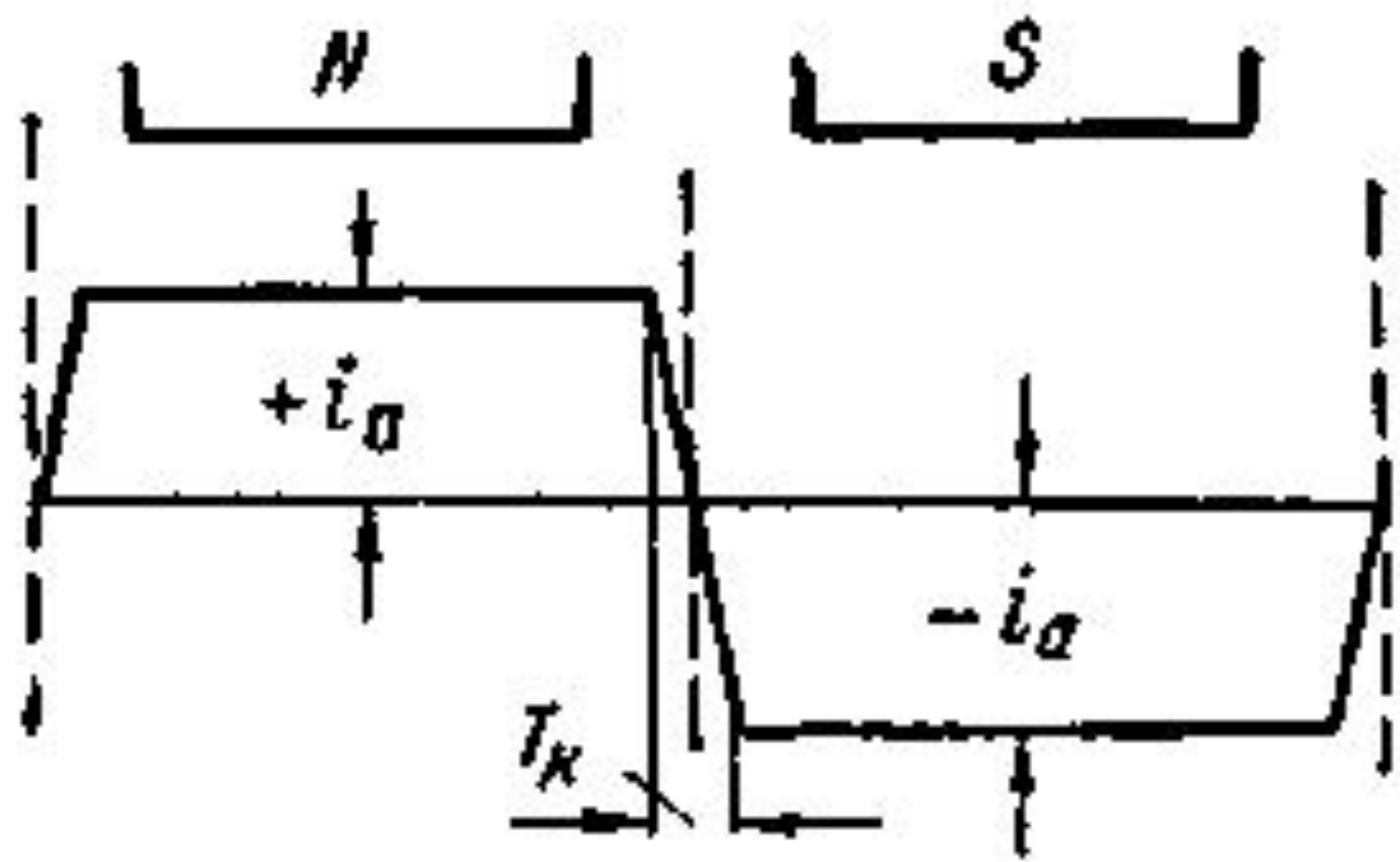


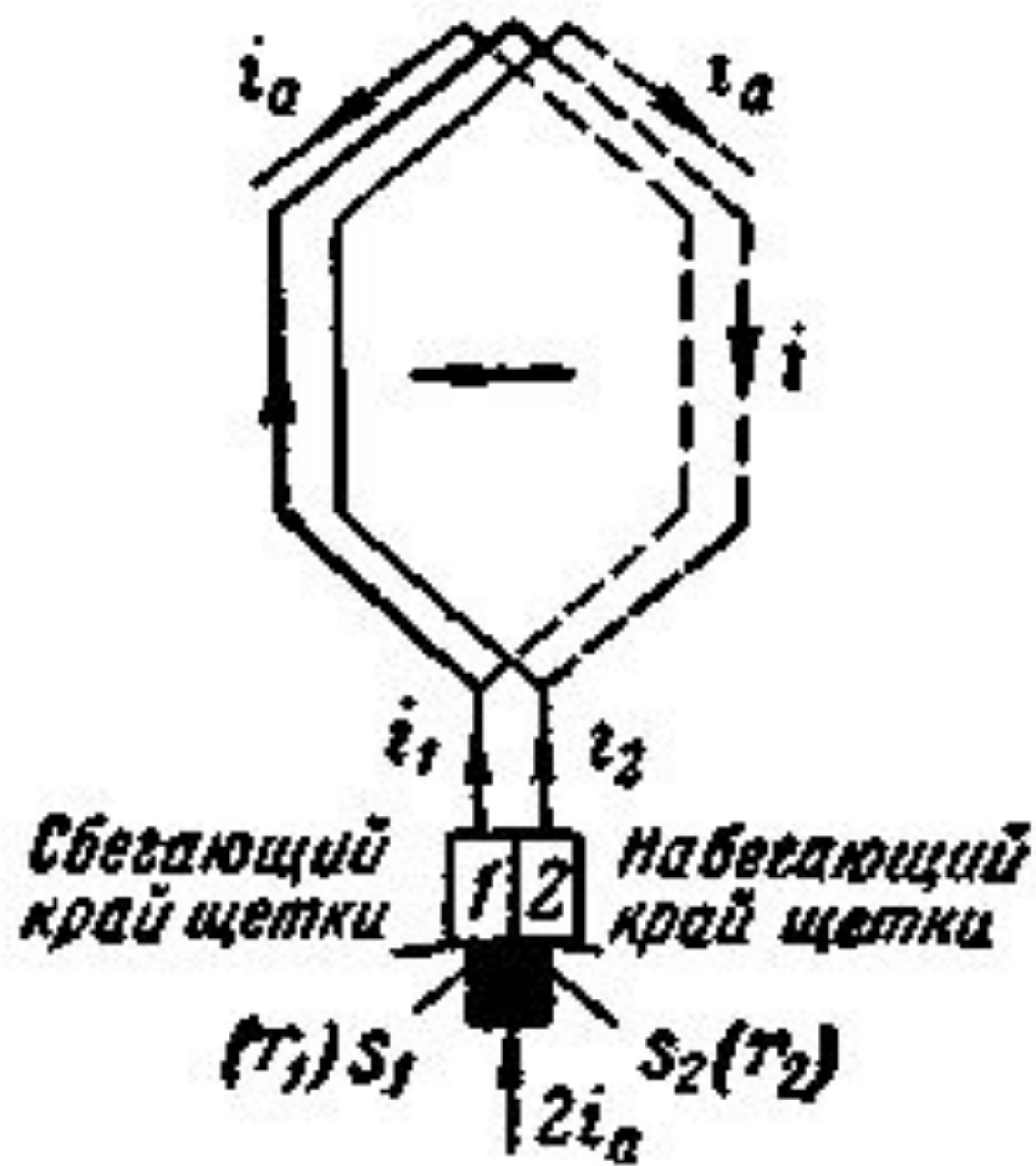


a)

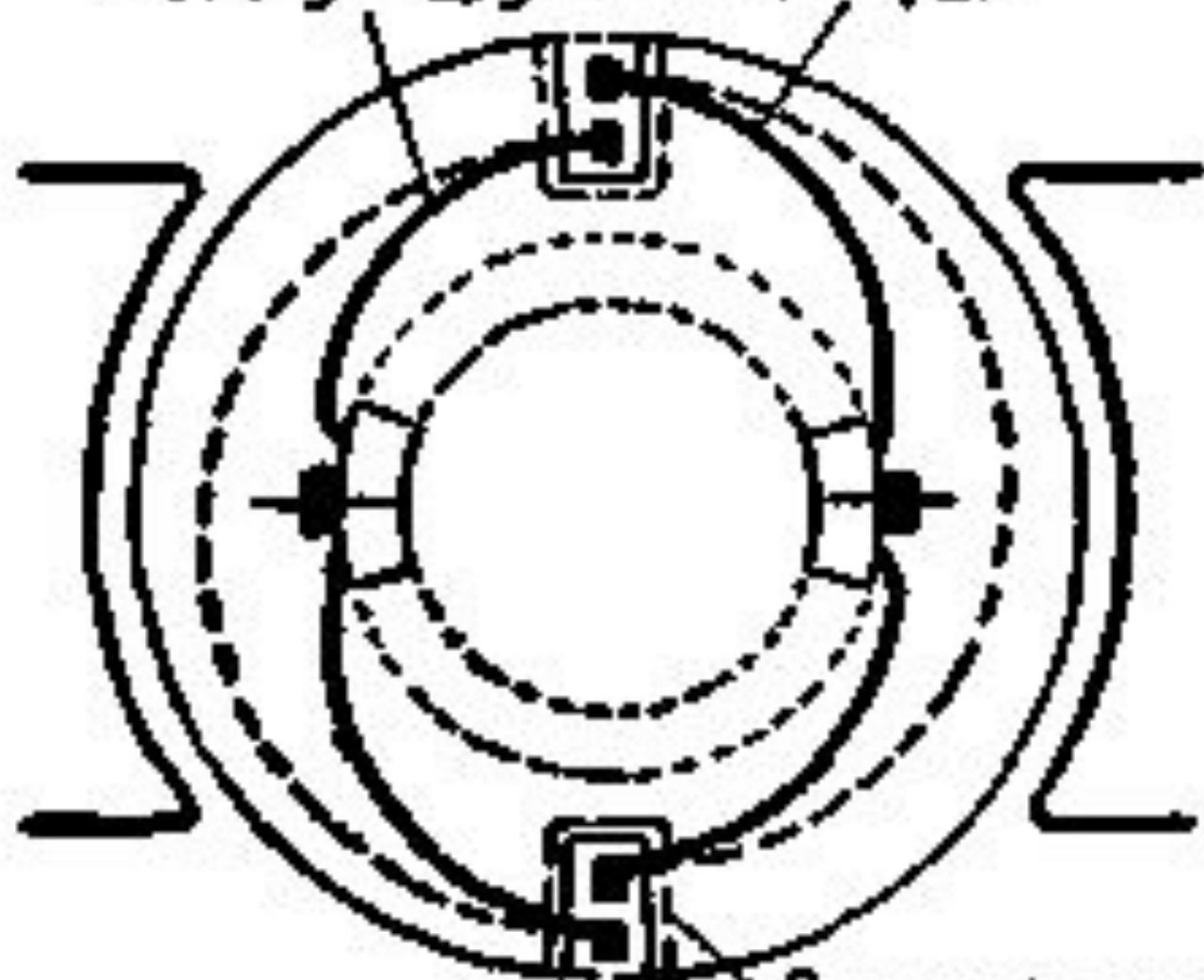


b)

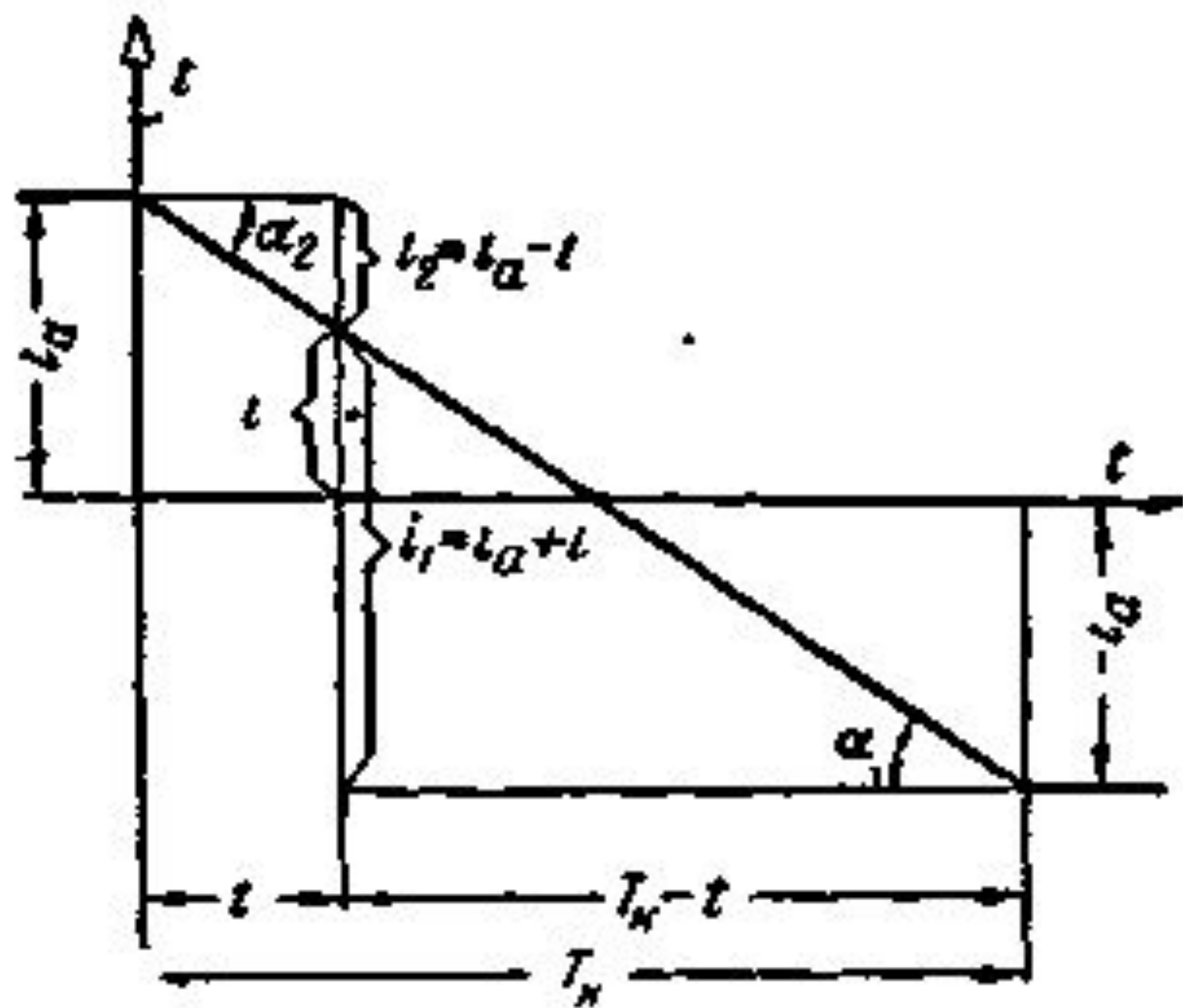


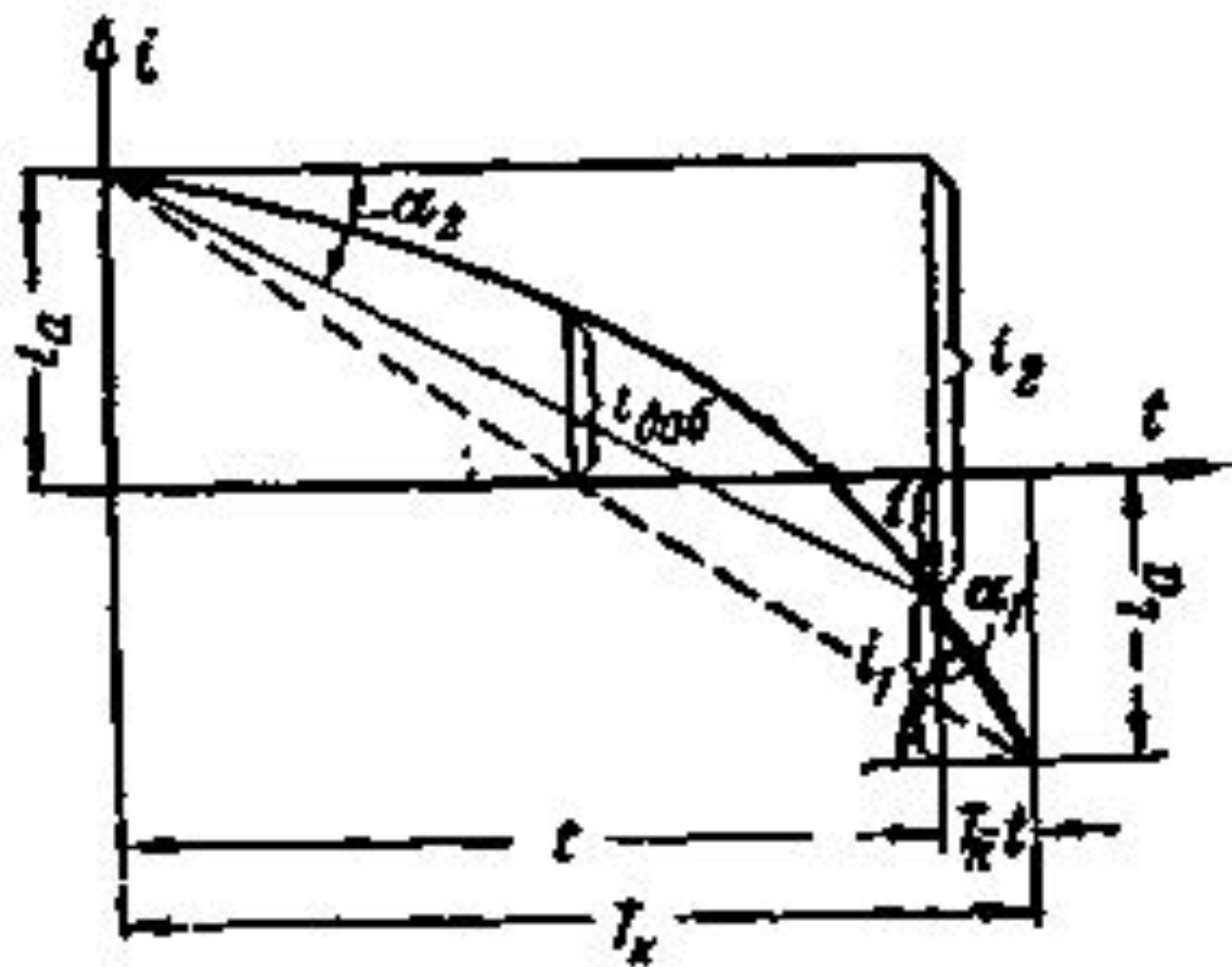


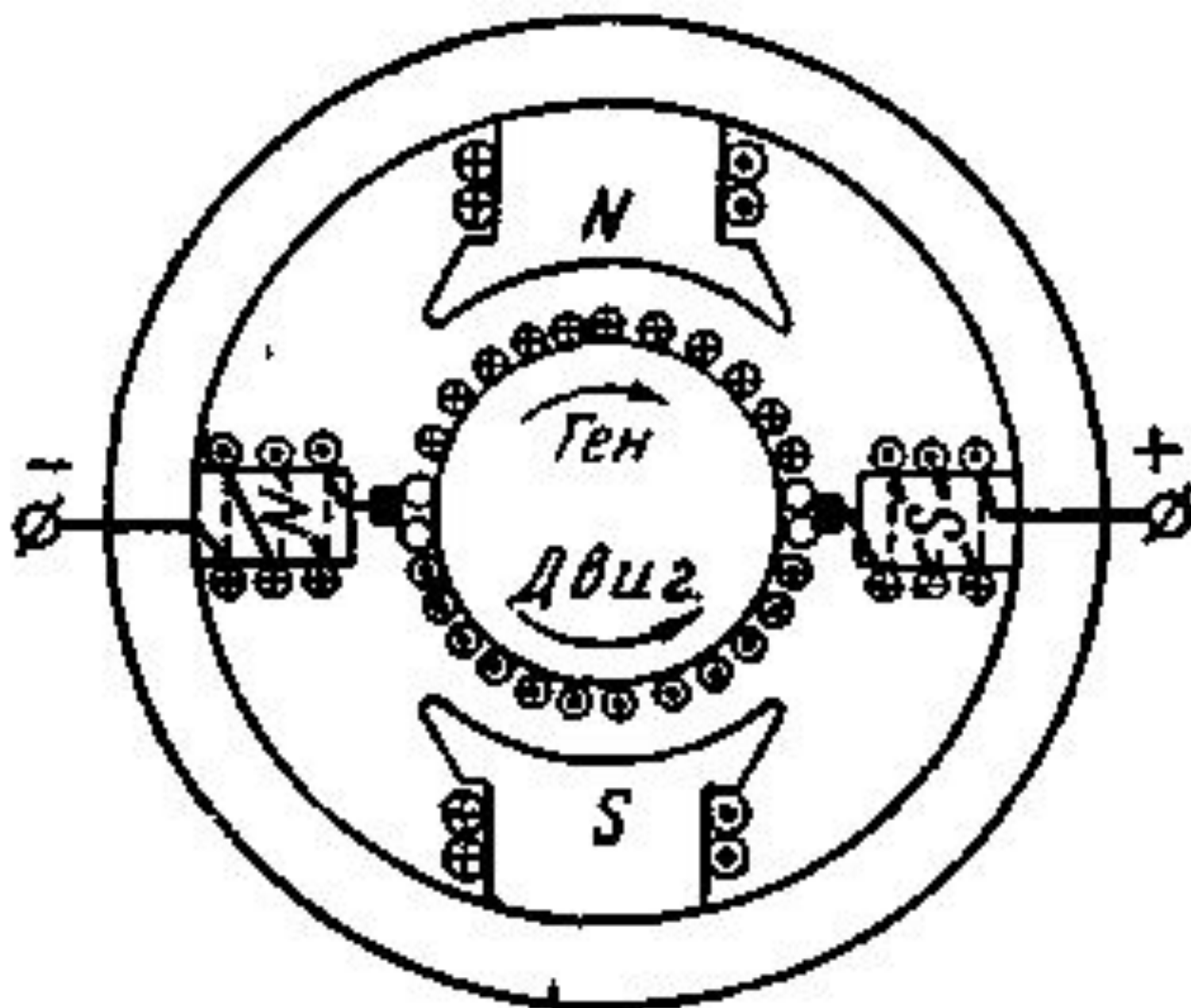
Коммутируемые секции

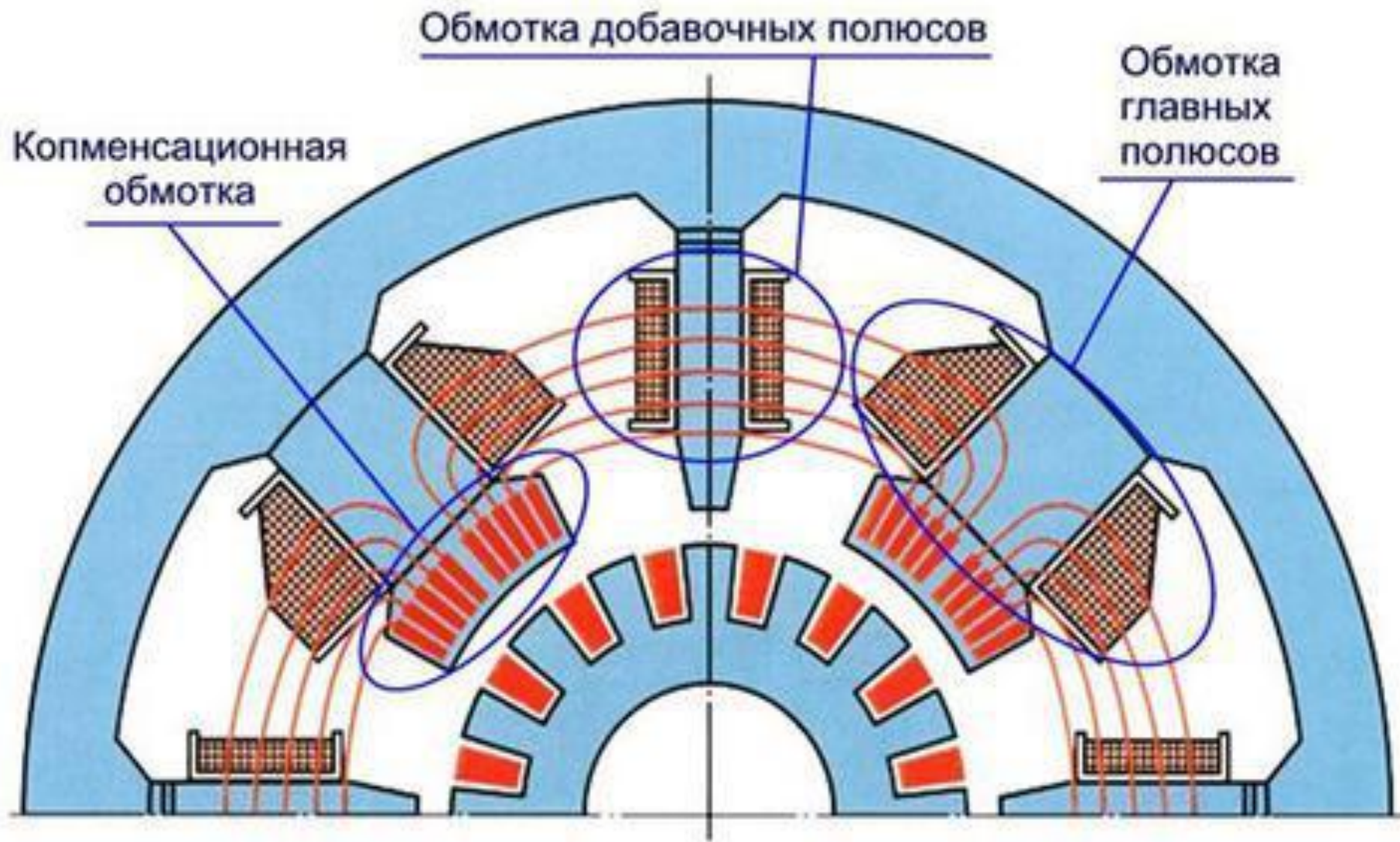


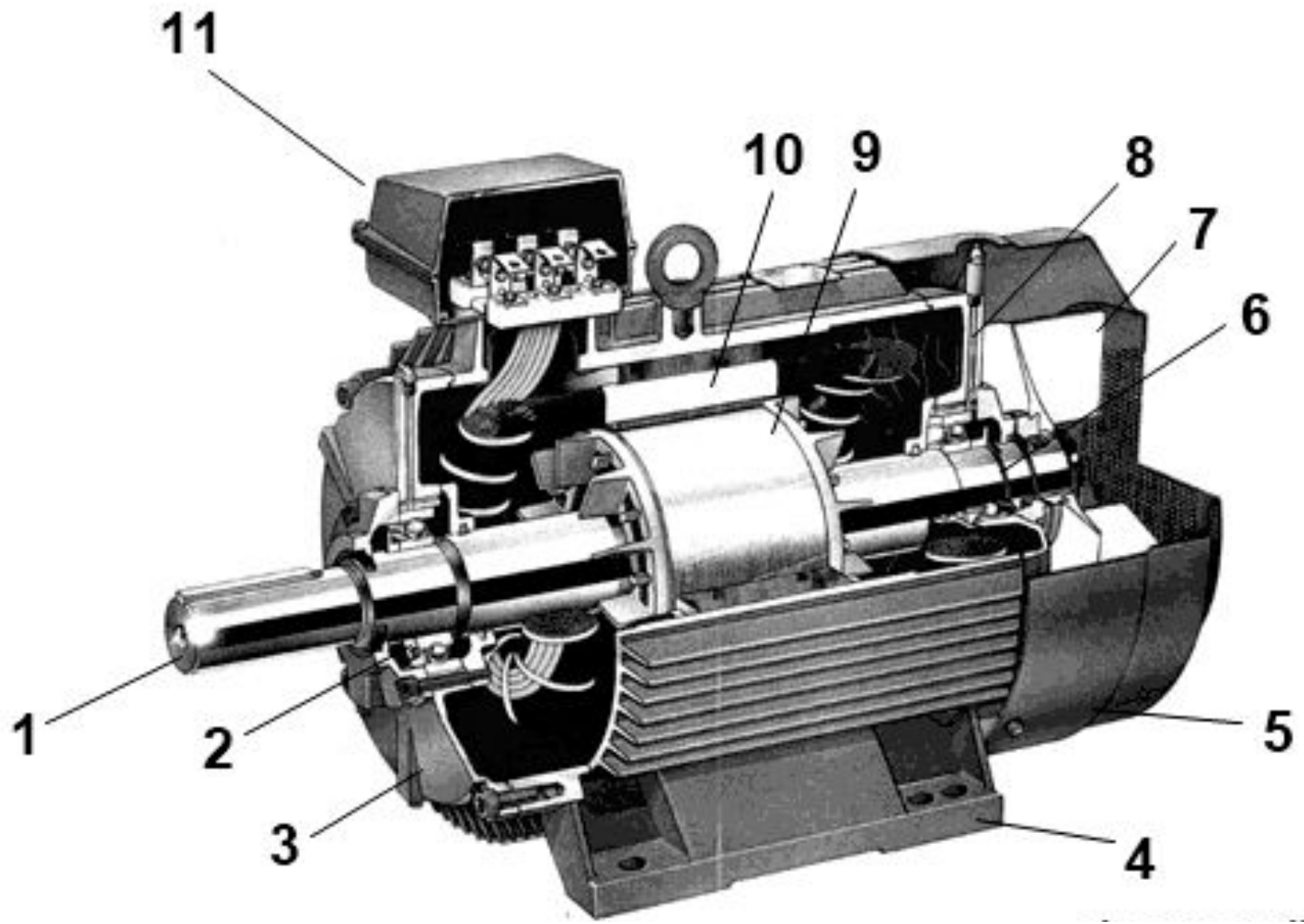
*Поле само- и
взаимной индукции*

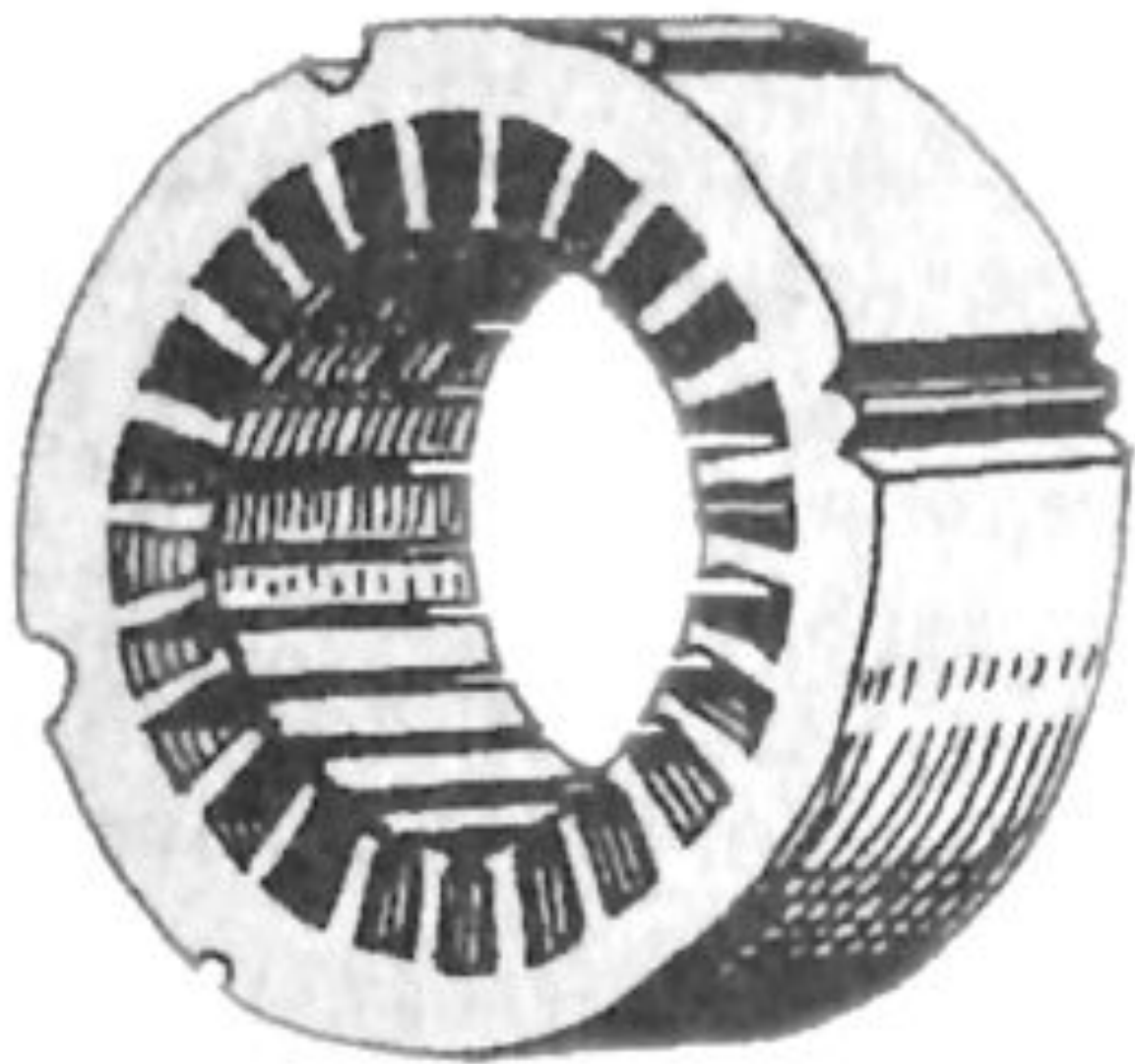


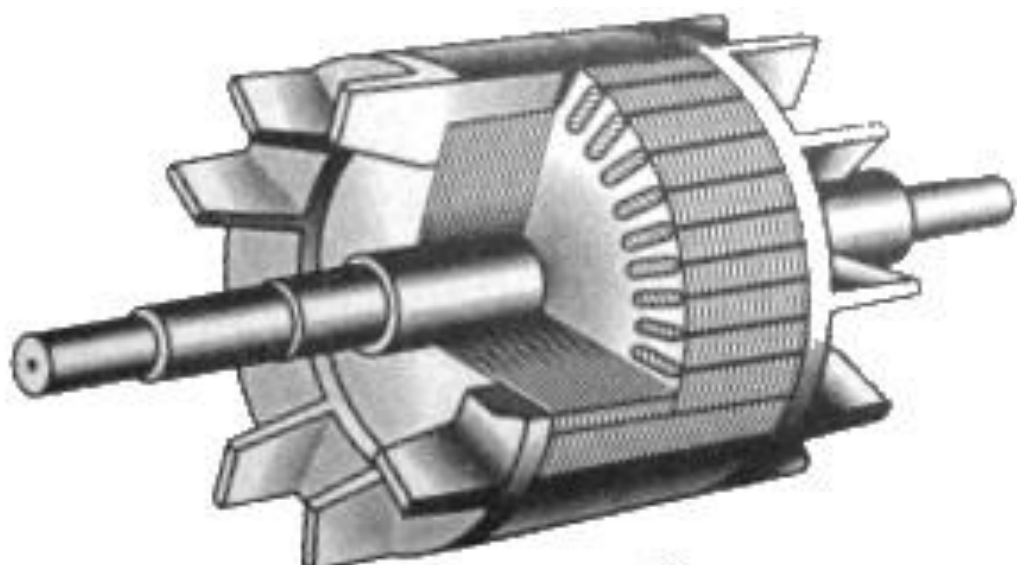








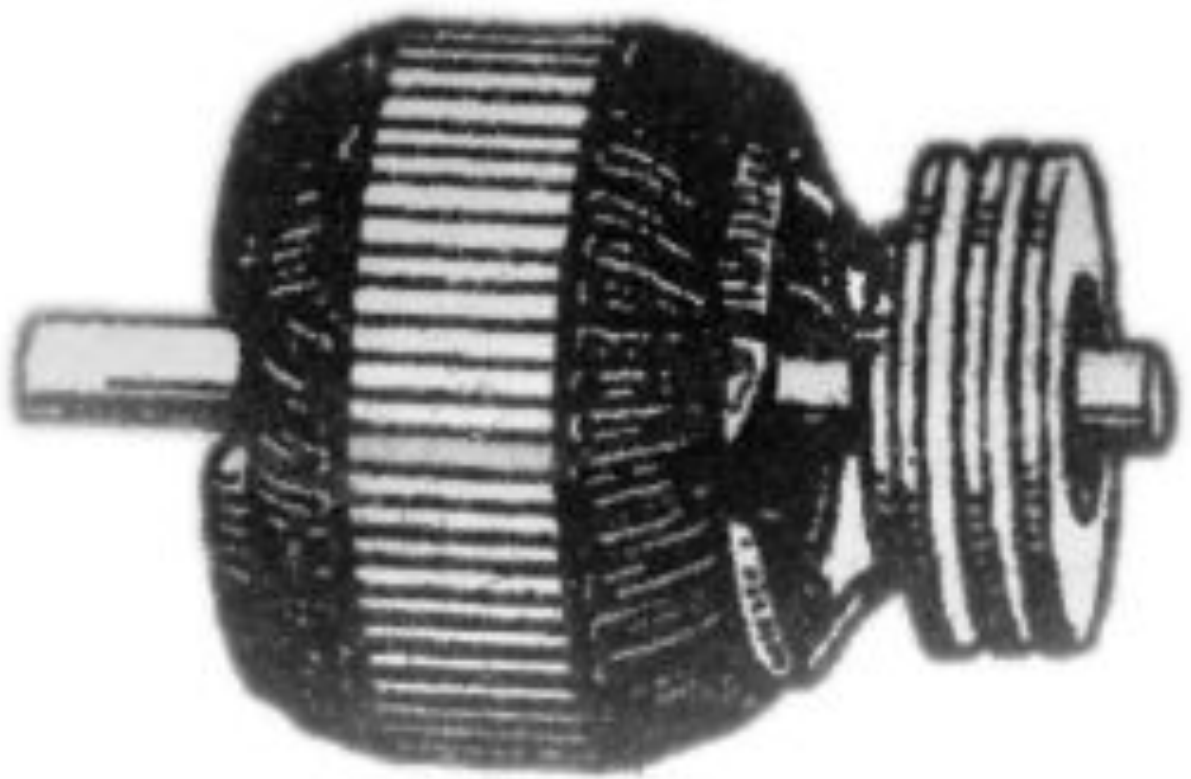


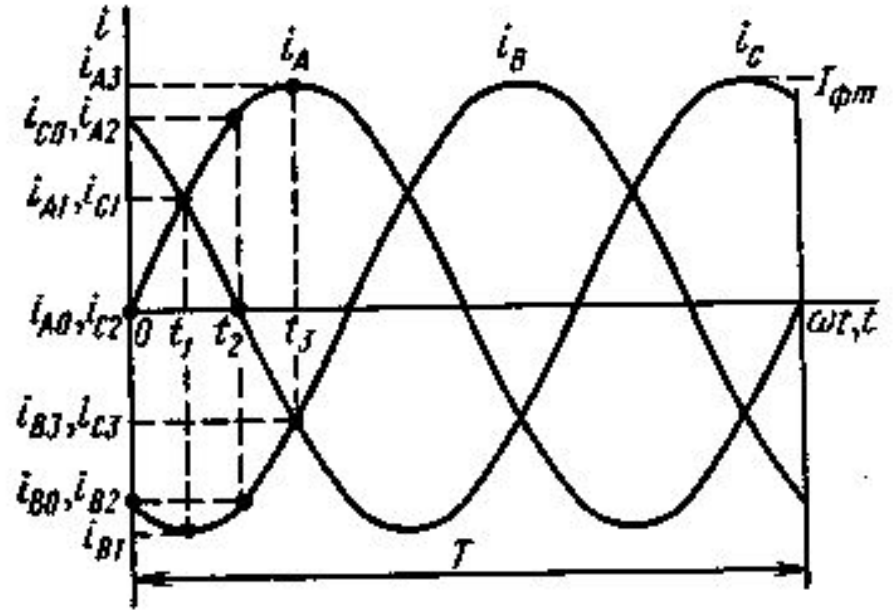
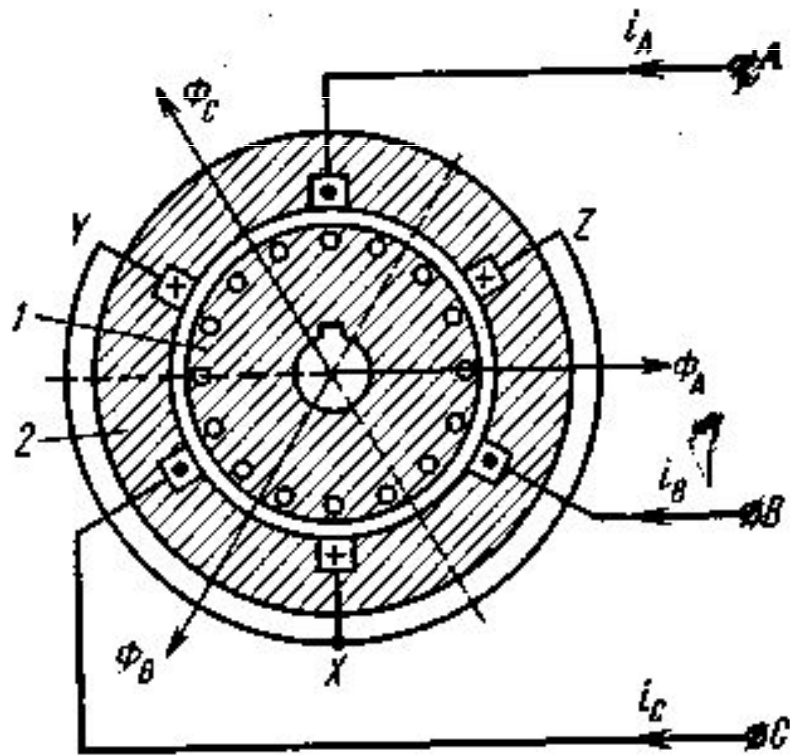


короткозамкнутый ротор



беличья клетка

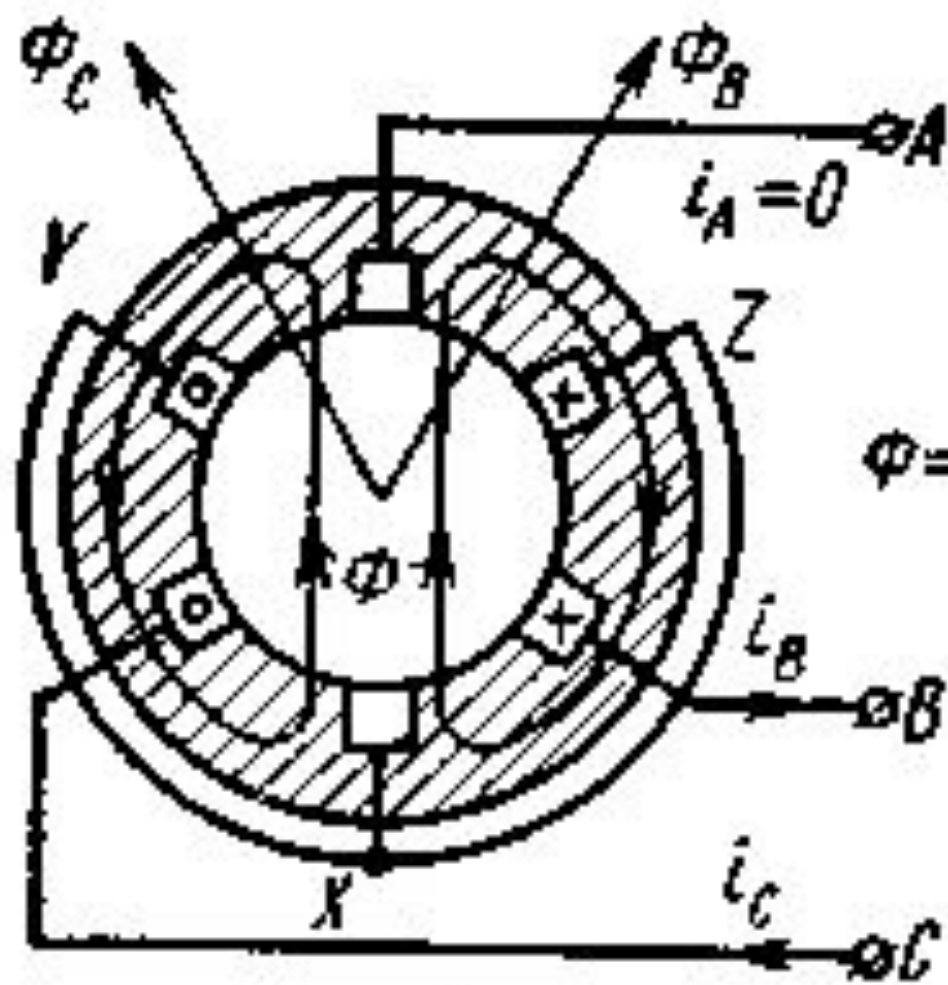




$$i_A = I_m \sin \omega t$$

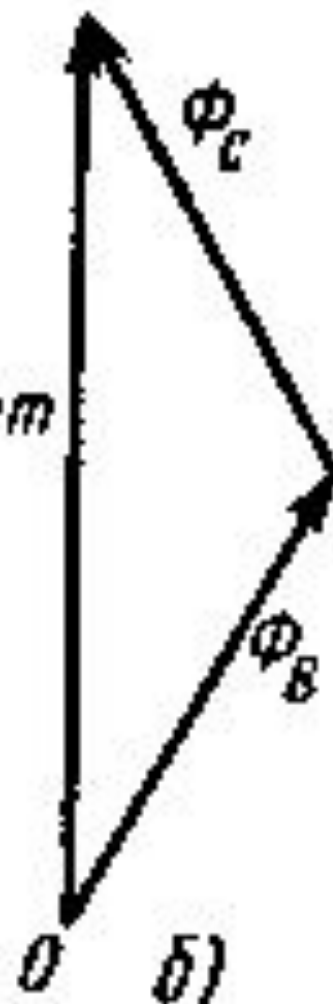
$$i_B = I_m \sin[\omega t - (2\pi / 3)]$$

$$i_C = I_m \sin[\omega t - (4\pi / 3)]$$

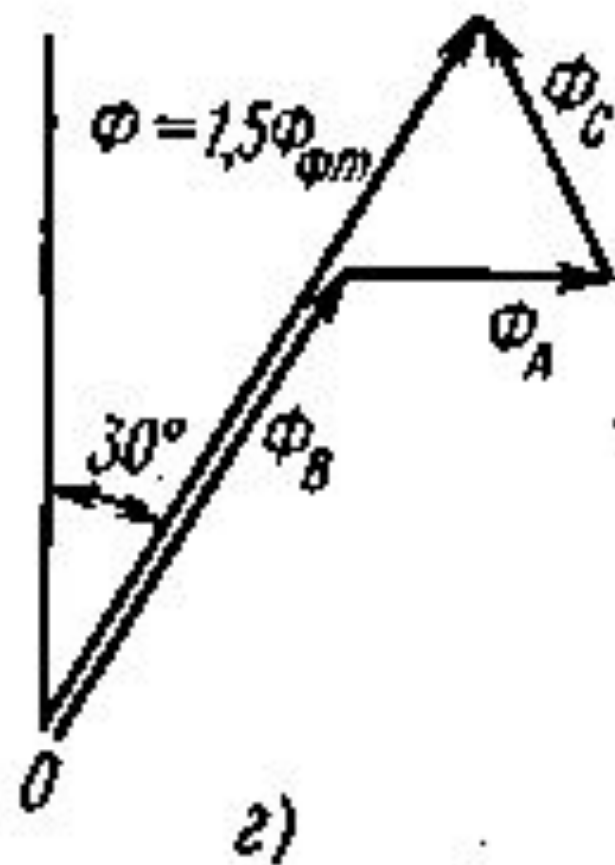
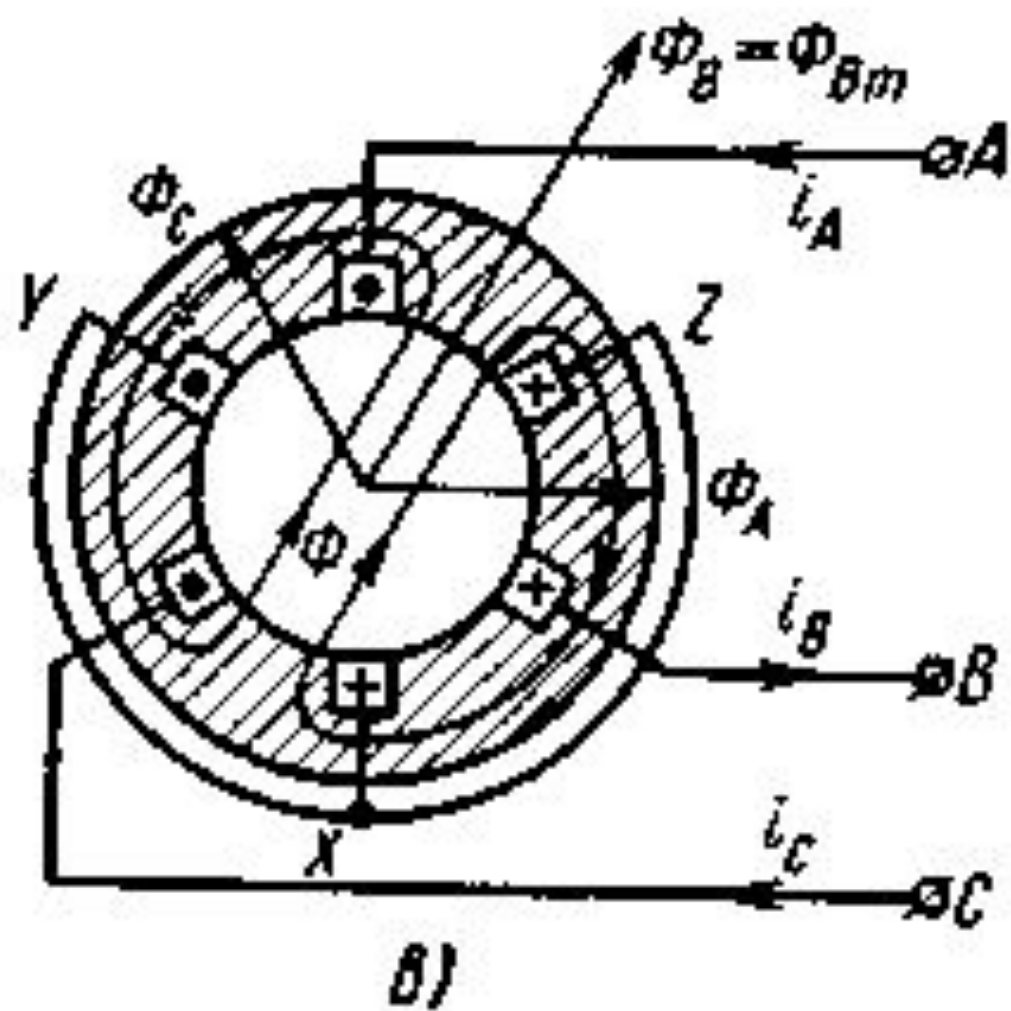


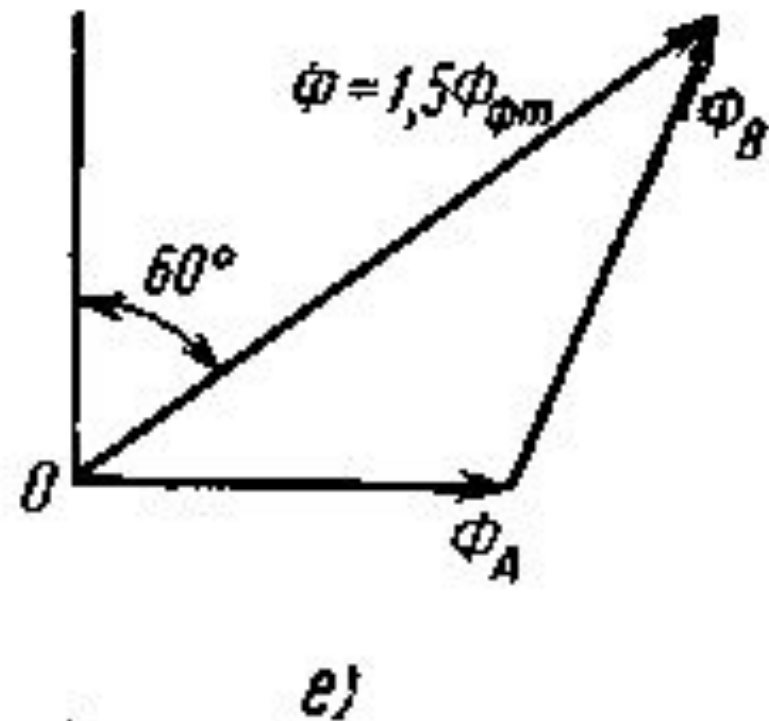
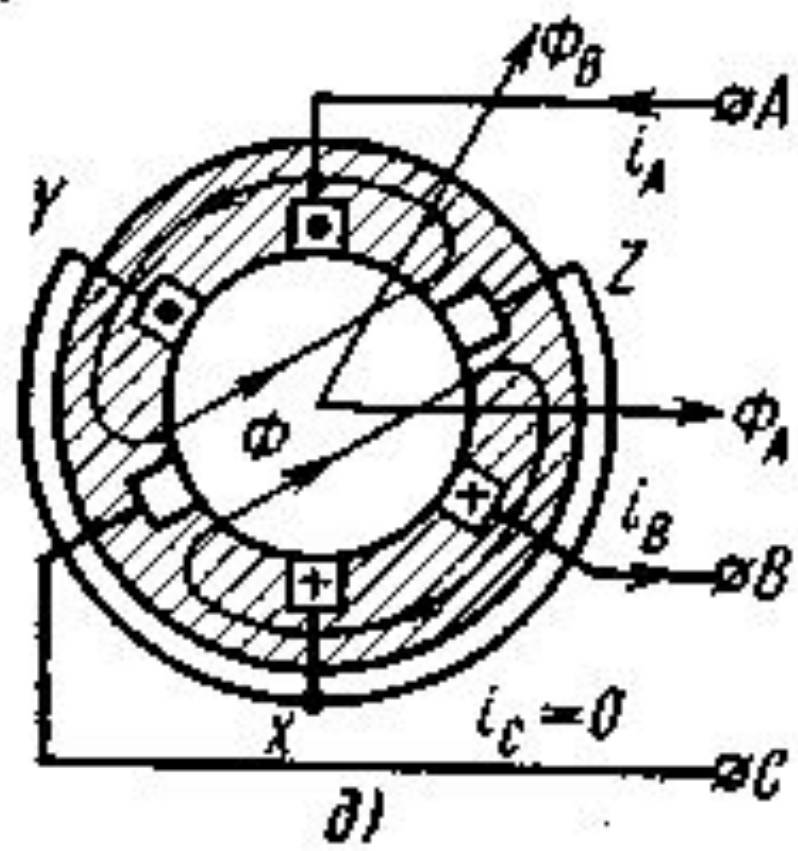
a)

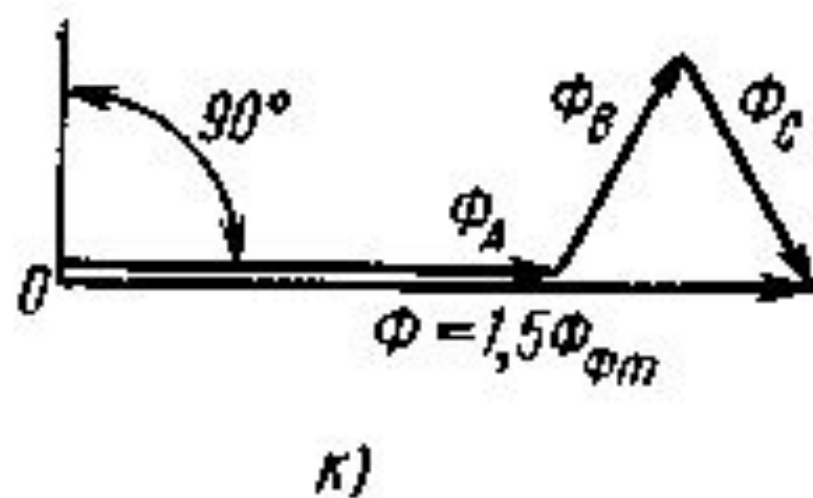
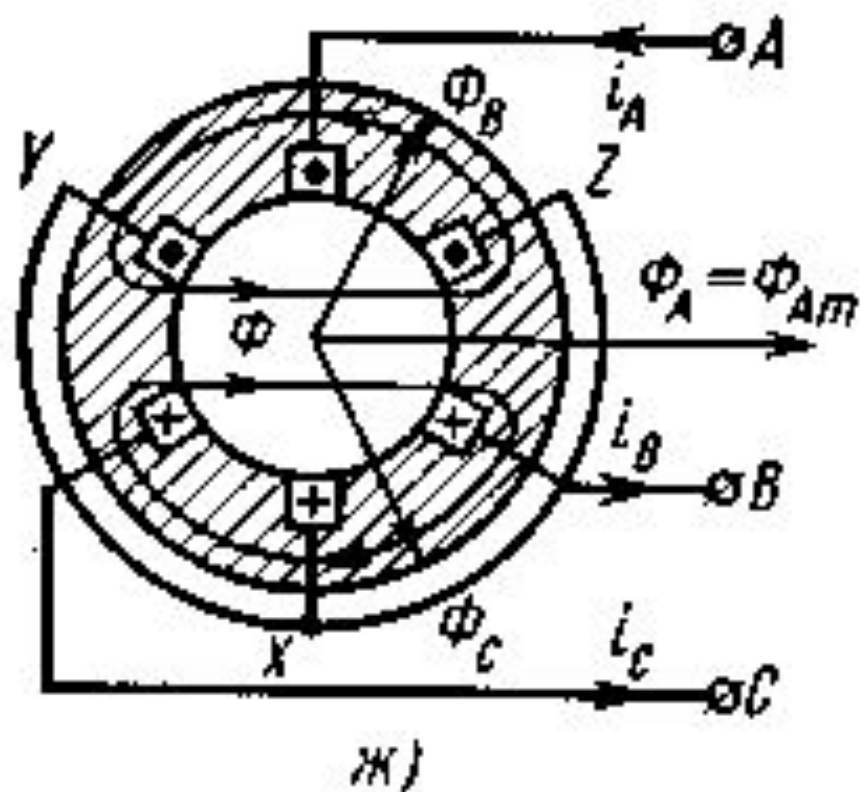
$$\Phi = 1,5 \Phi_{\text{фн}}$$

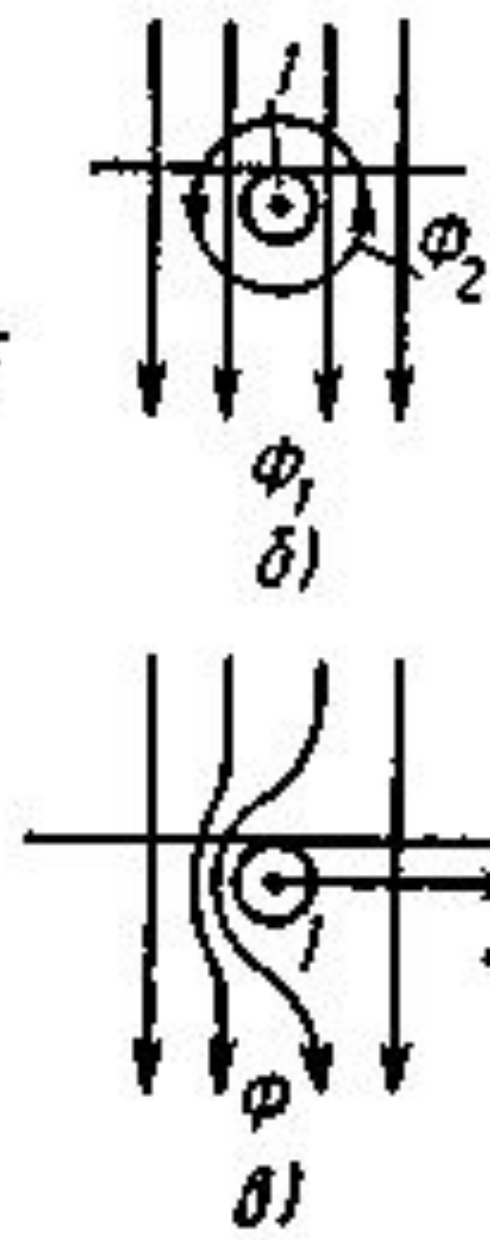
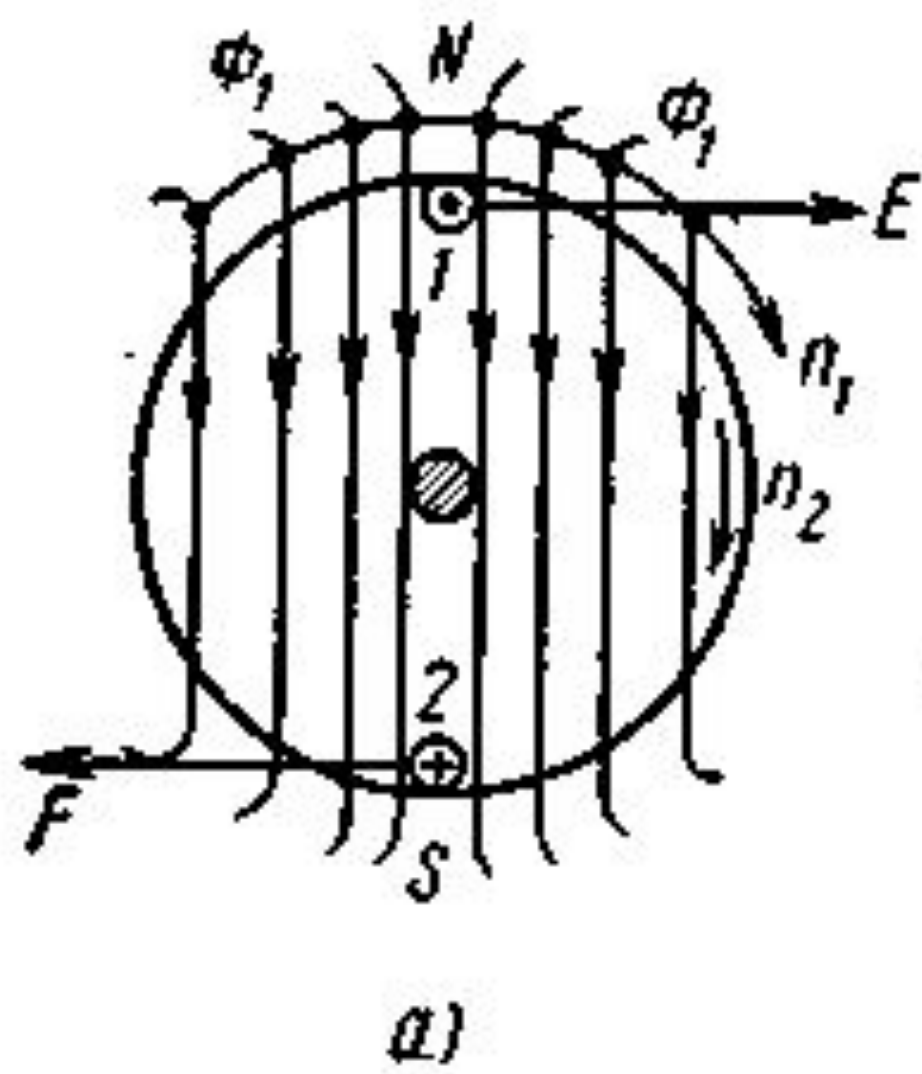


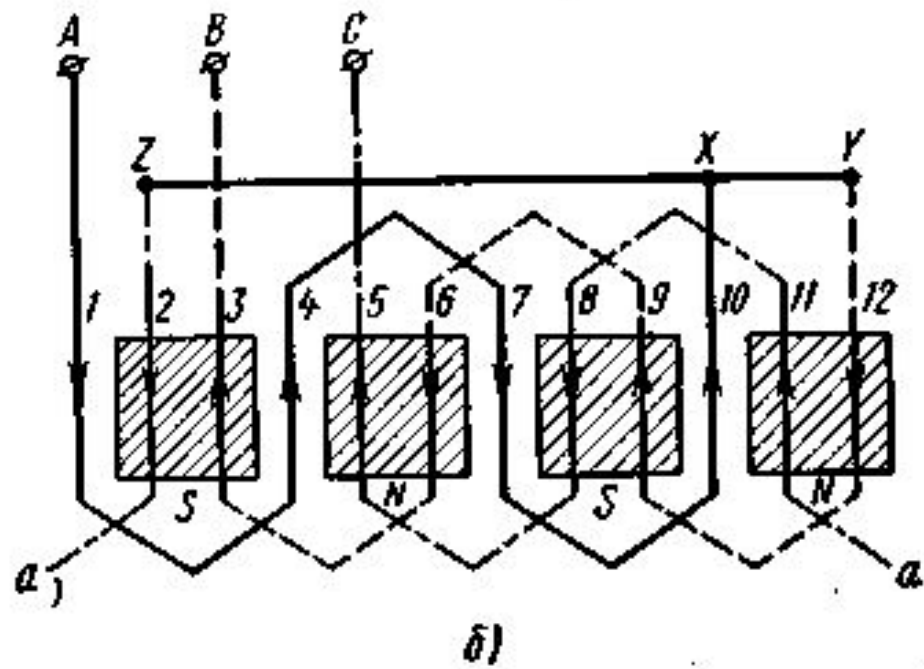
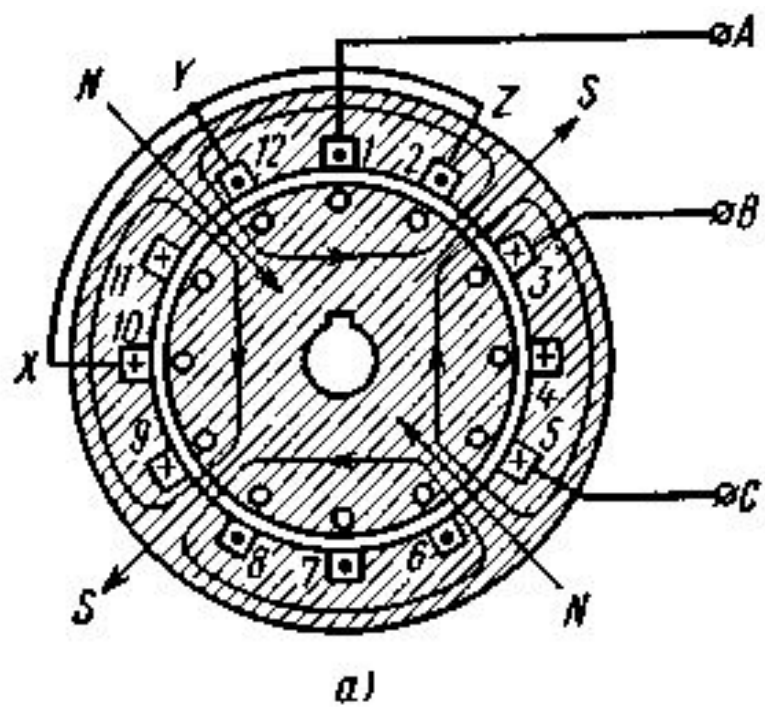
б)

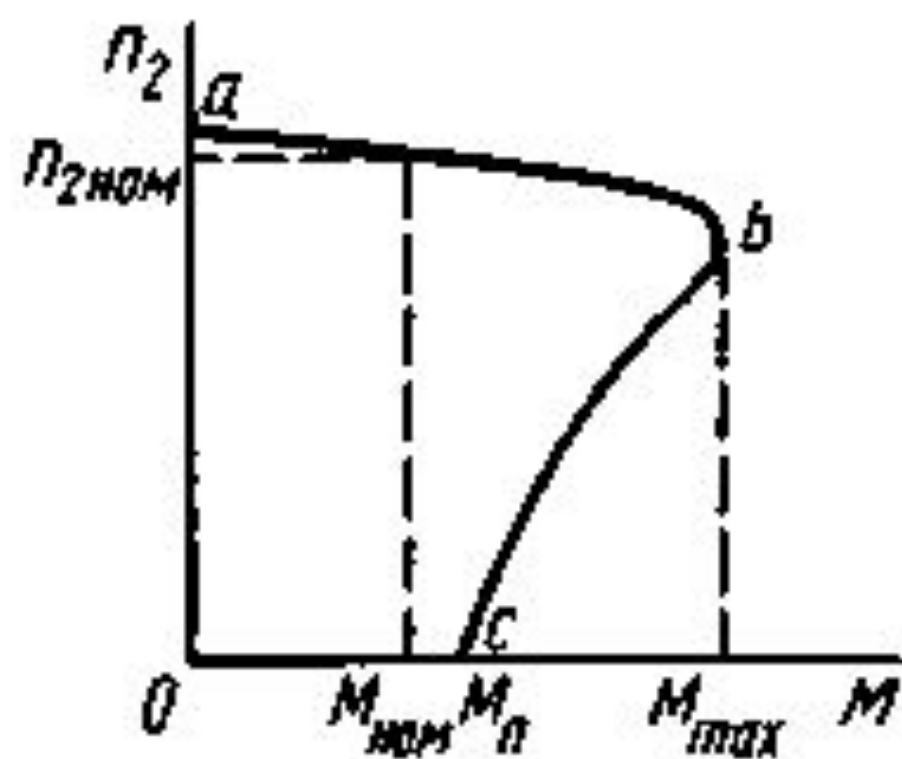




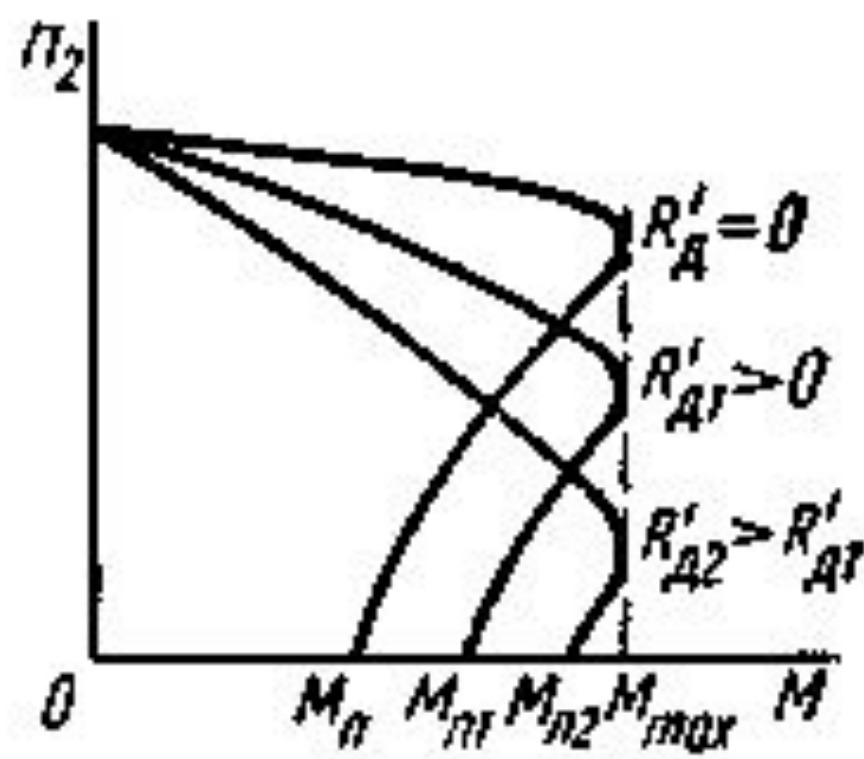








а)



б)

