

Рис. 2-1. Двухобмоточный трансформатор.

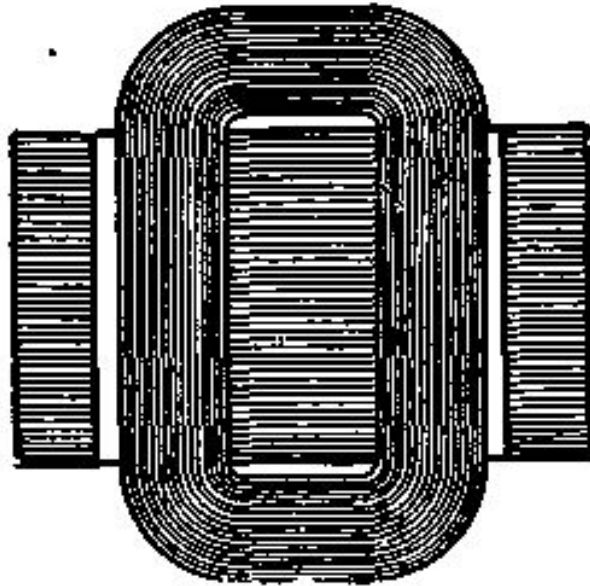
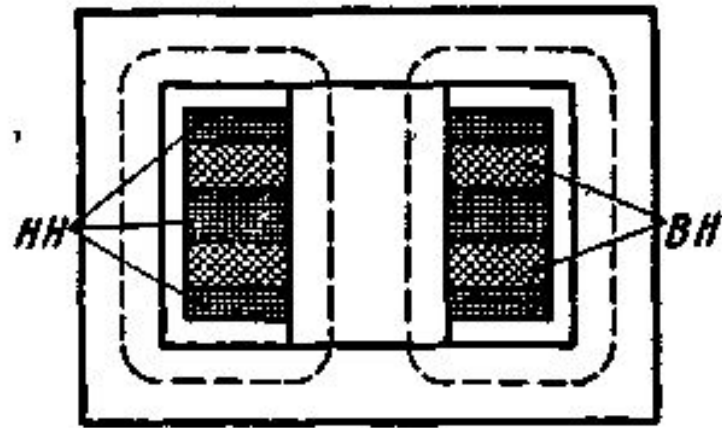


Рис. 2-8. Однофазный броневой трансформатор с дисковыми чередующимися обмотками.

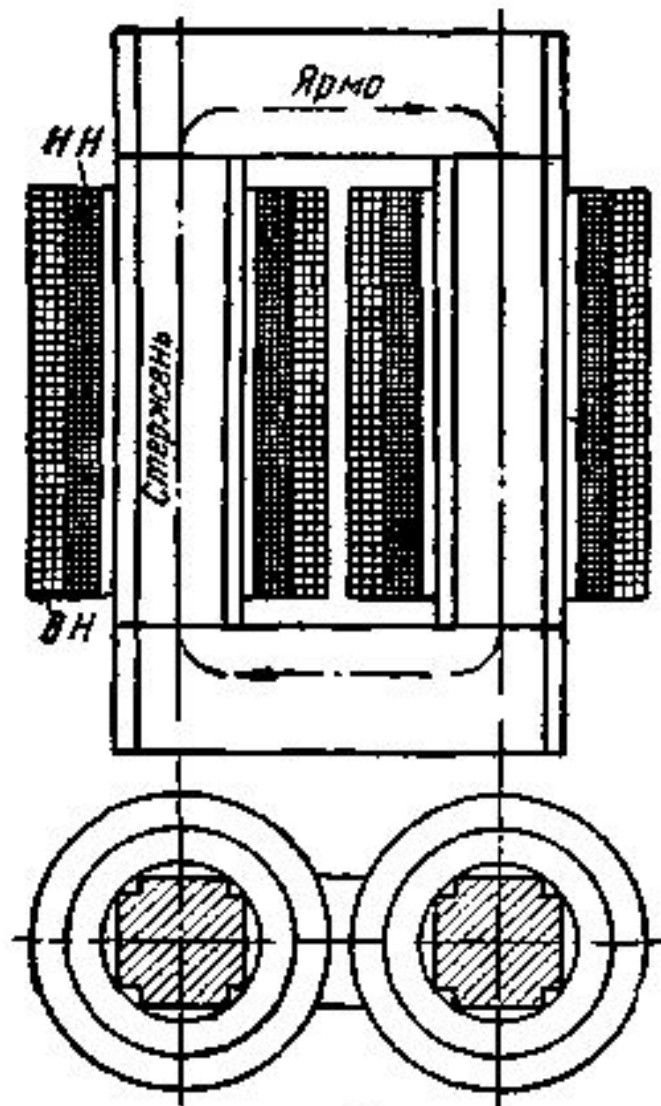
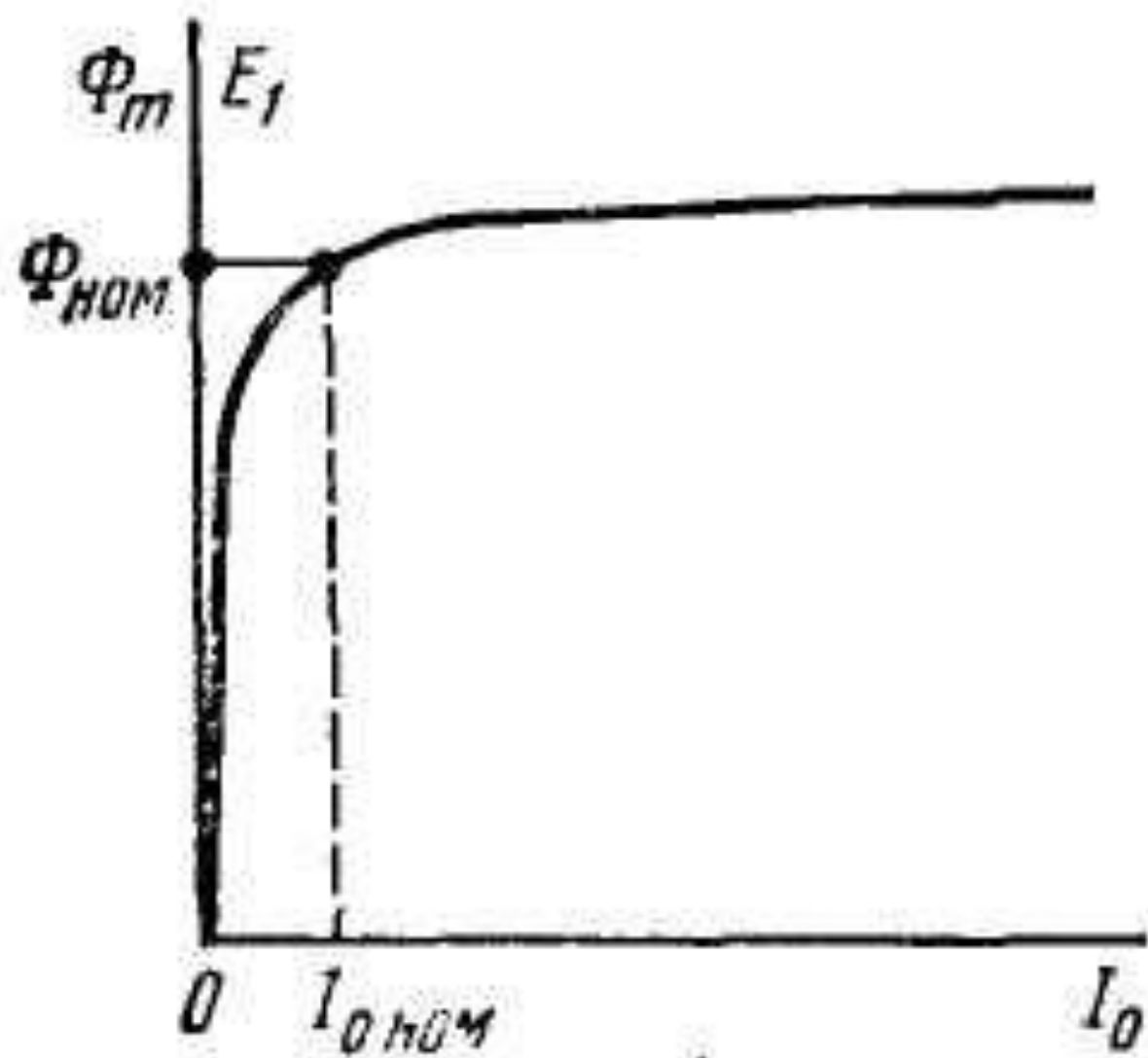
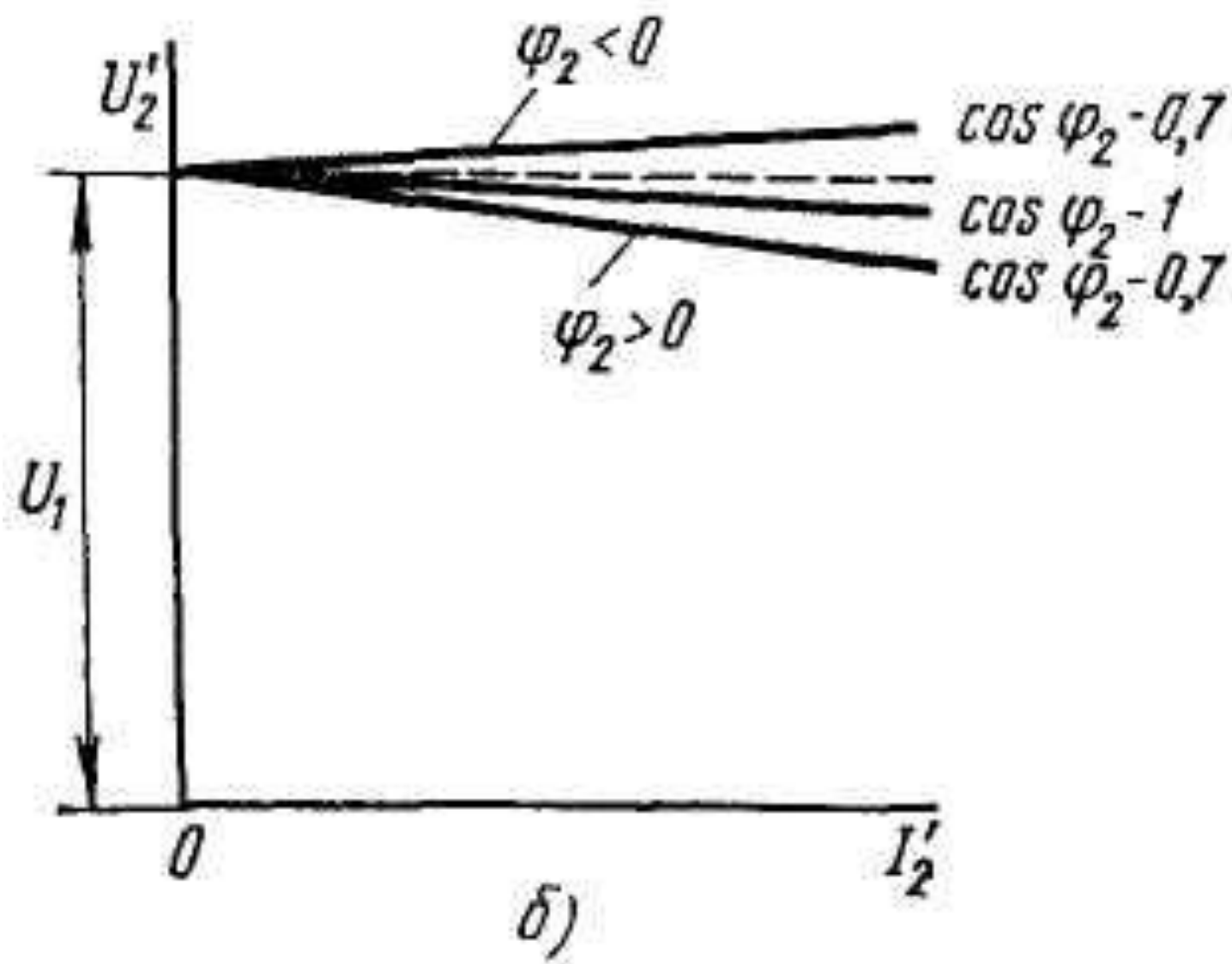
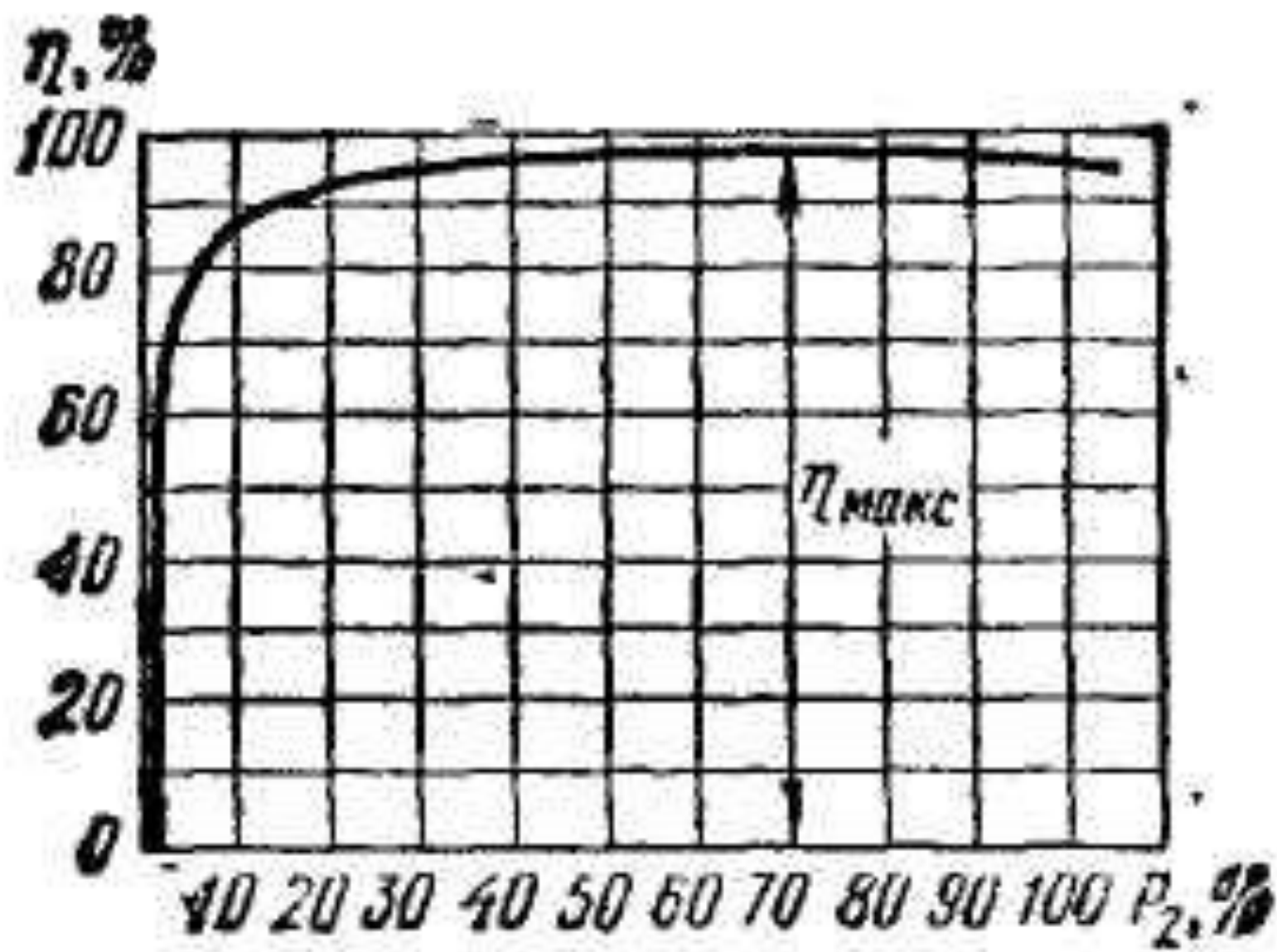


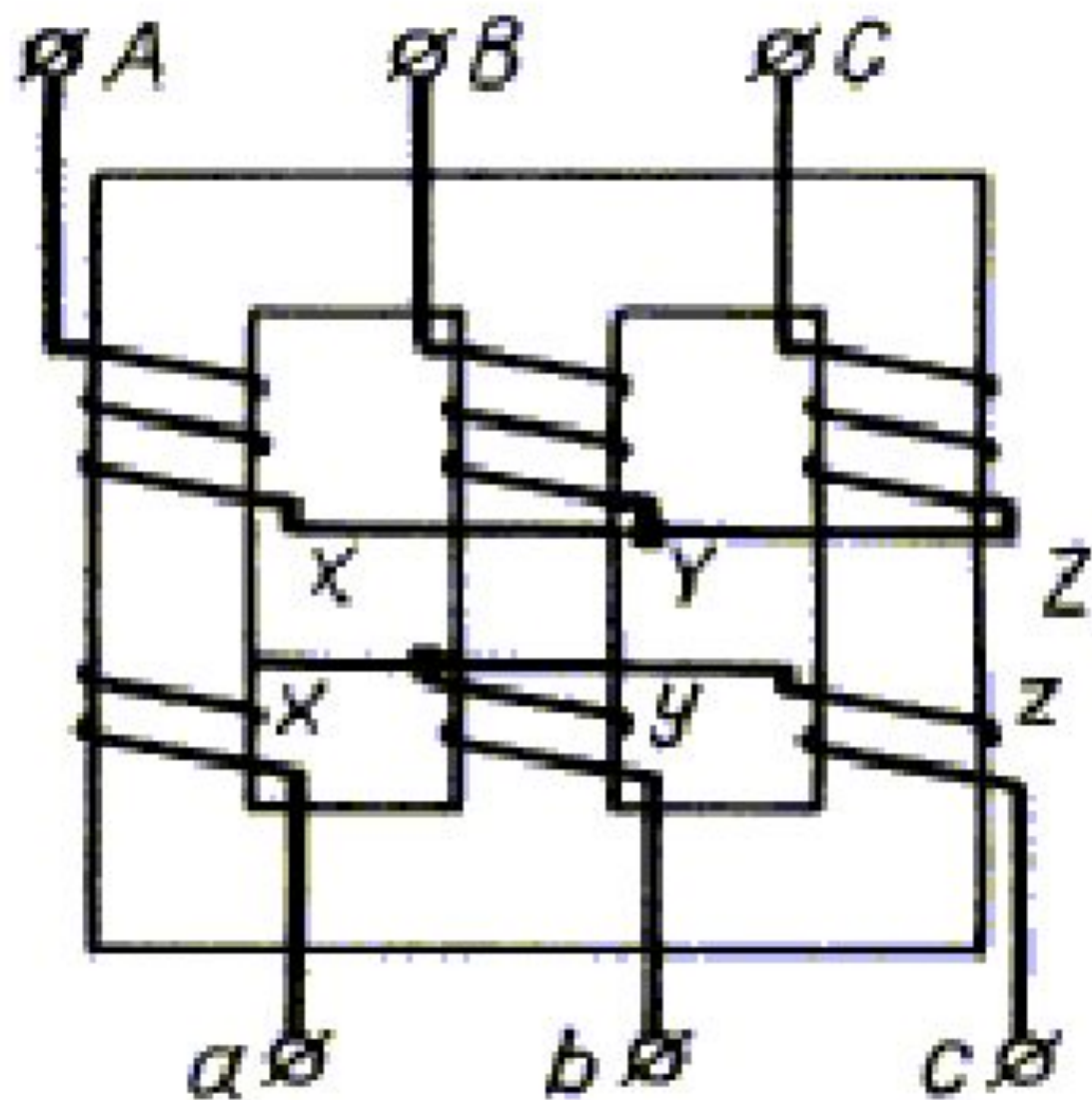
Рис. 2-9. Однофазный стержневой трансформатор с концентрическими обмотками.

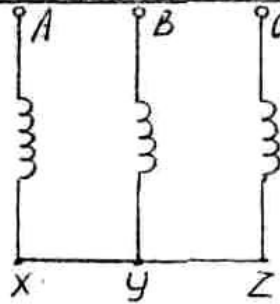
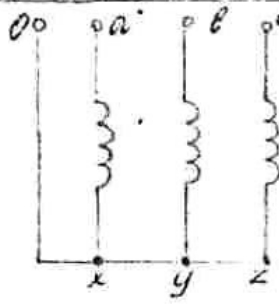
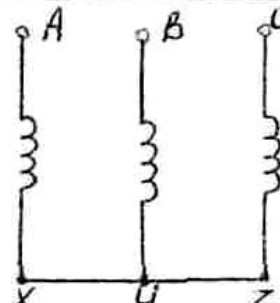
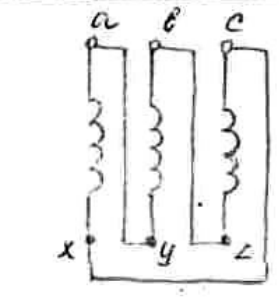
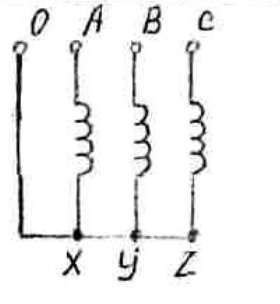
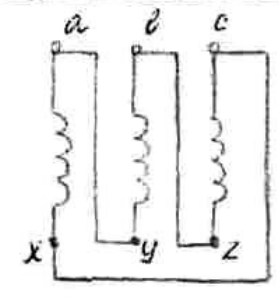
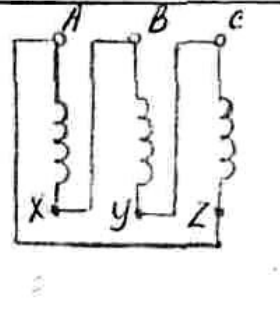
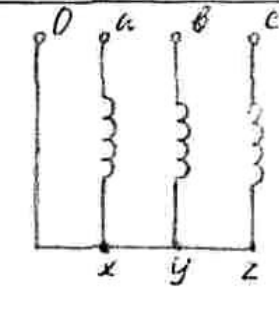


a)

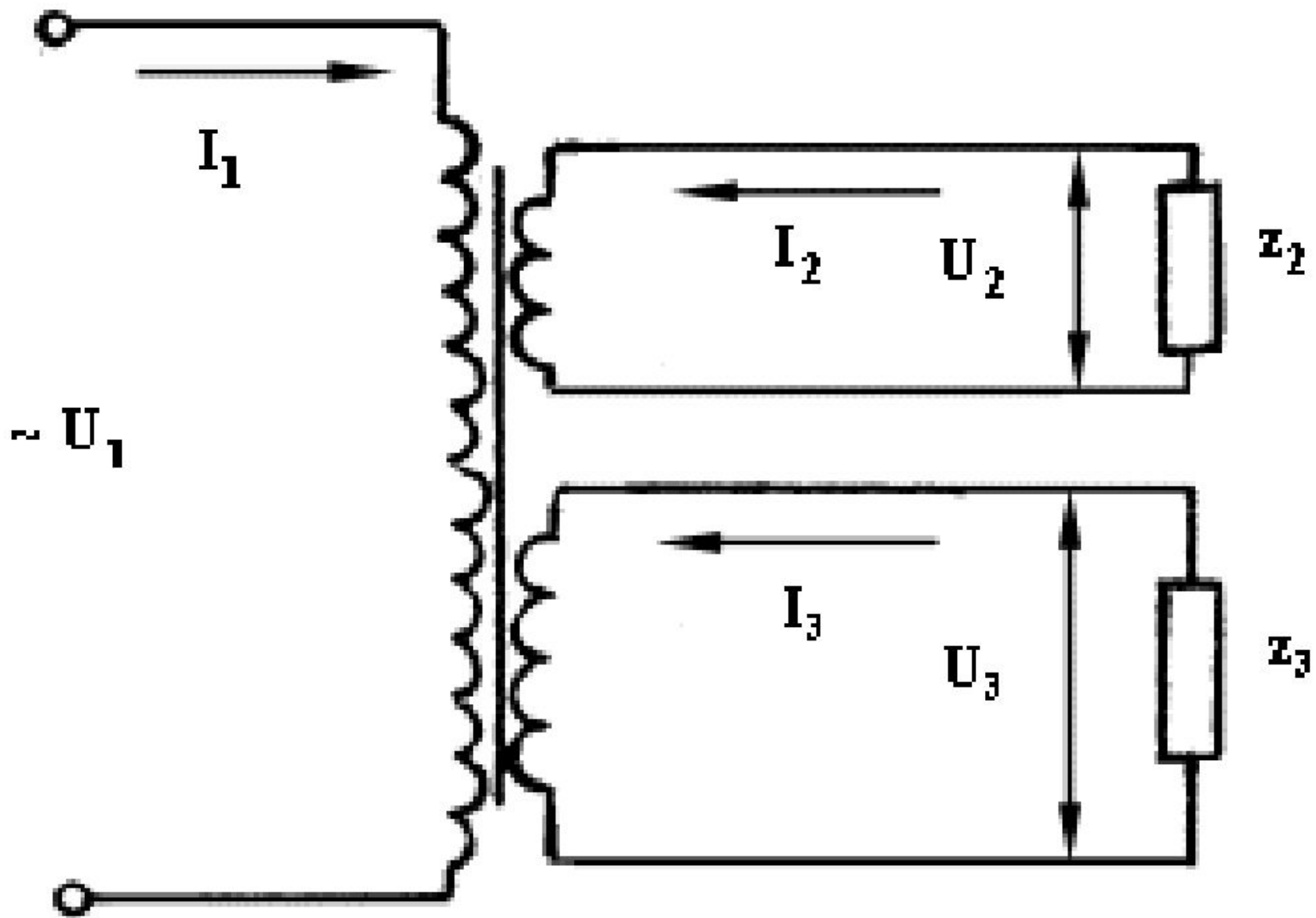


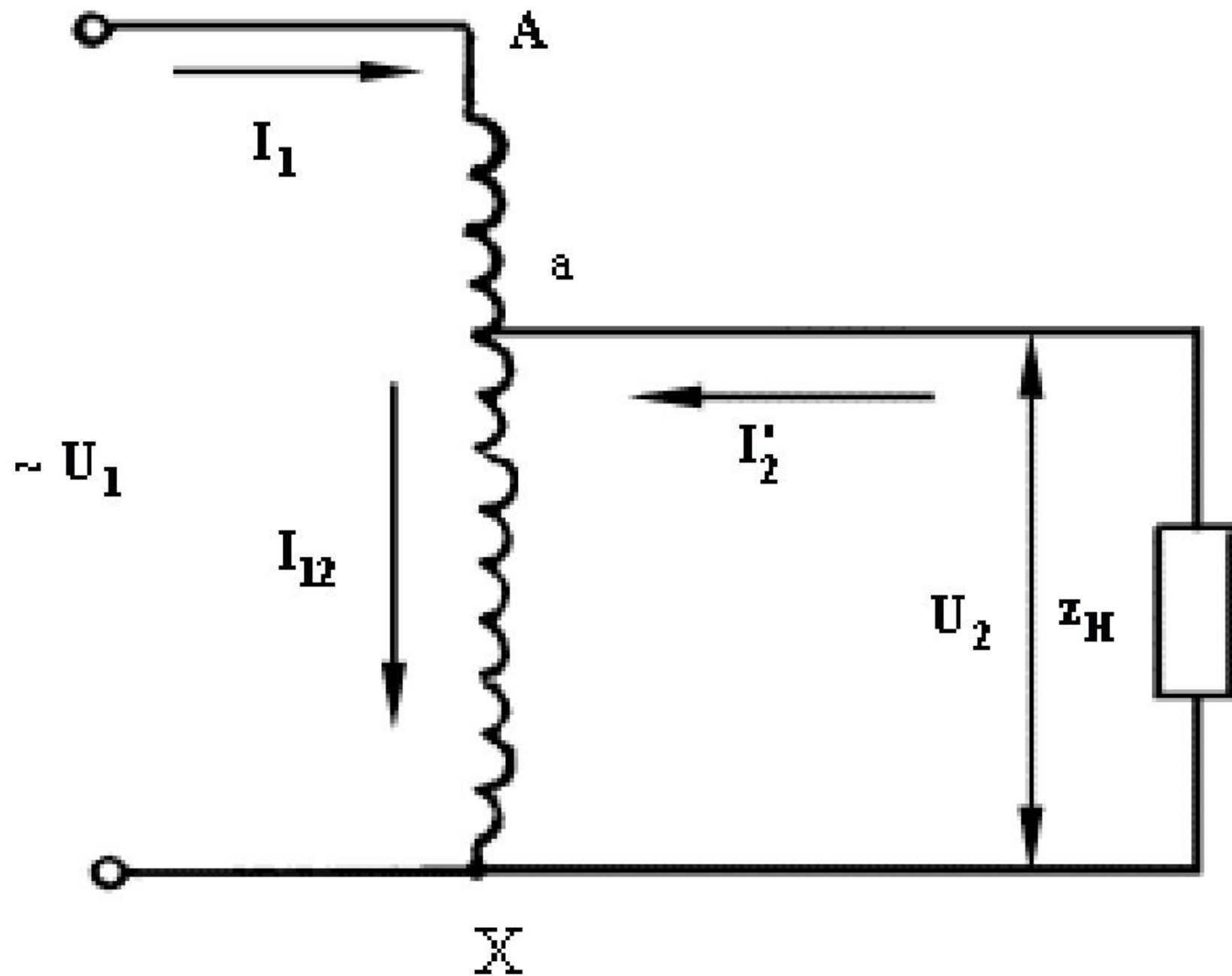




Внешние ман- ляжные	Внутренние ман- ляжные	Число обмоток ободных
		$Y/Y_0$
		$Y/\Delta^{II}$
		$Y/\Delta^{II}$
		$\Delta/Y^{II}$









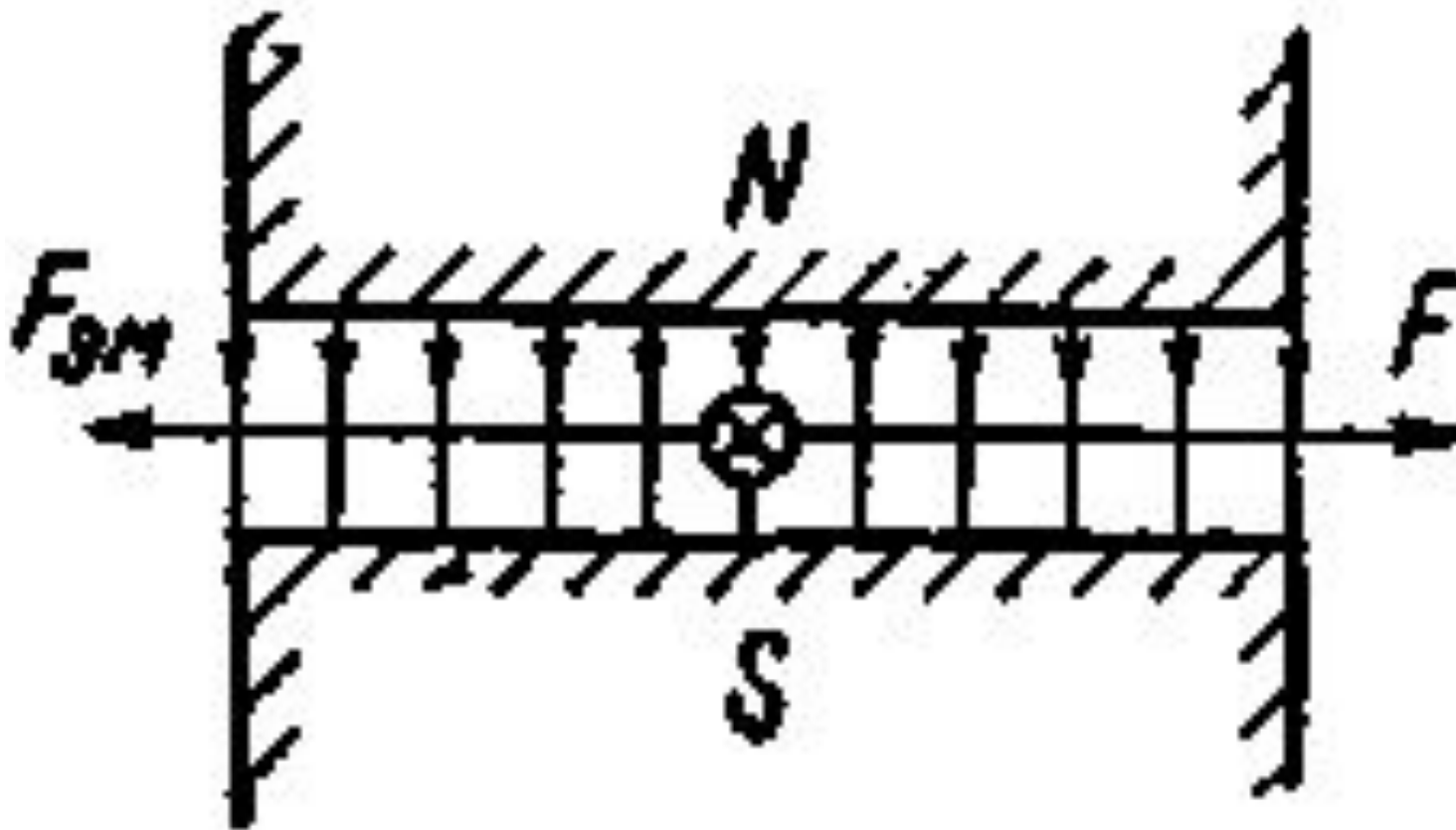


Рис. 1-2. К объяснению принципа действия электрических машин.

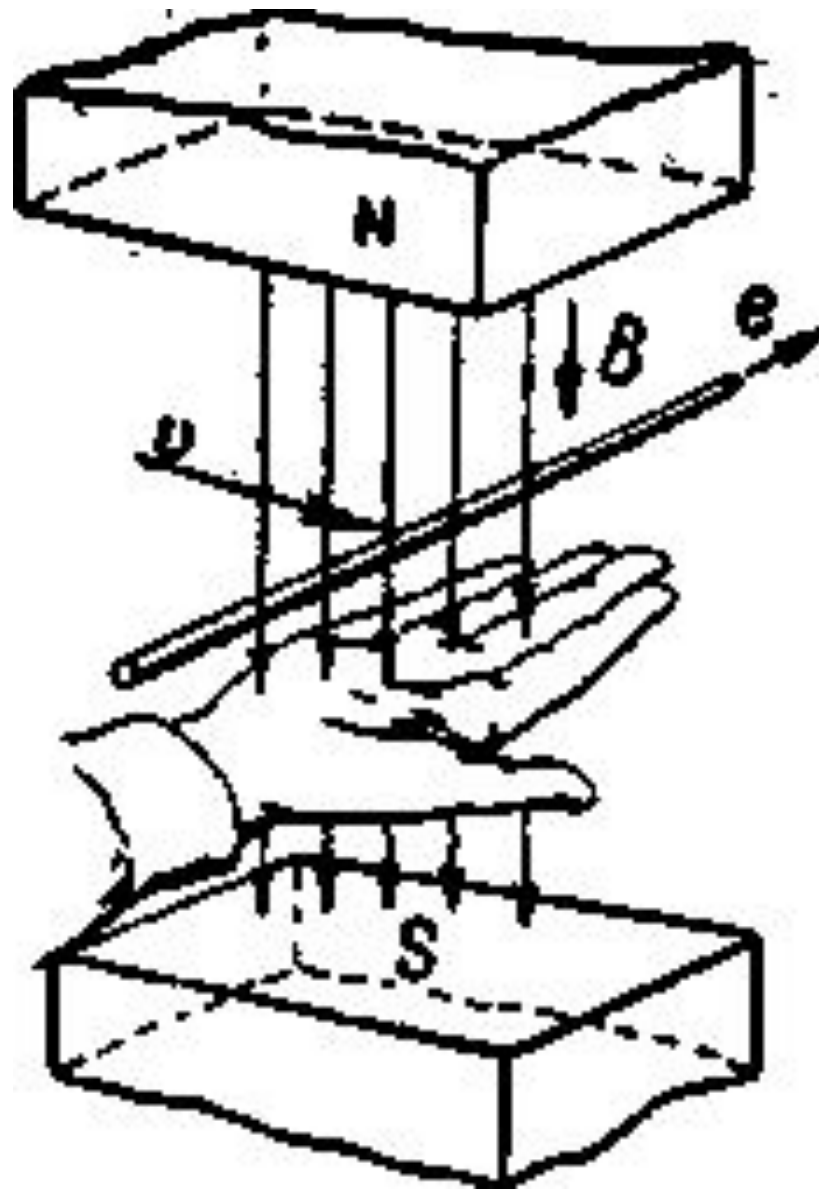


Рис. 1-3. Правило правой руки.

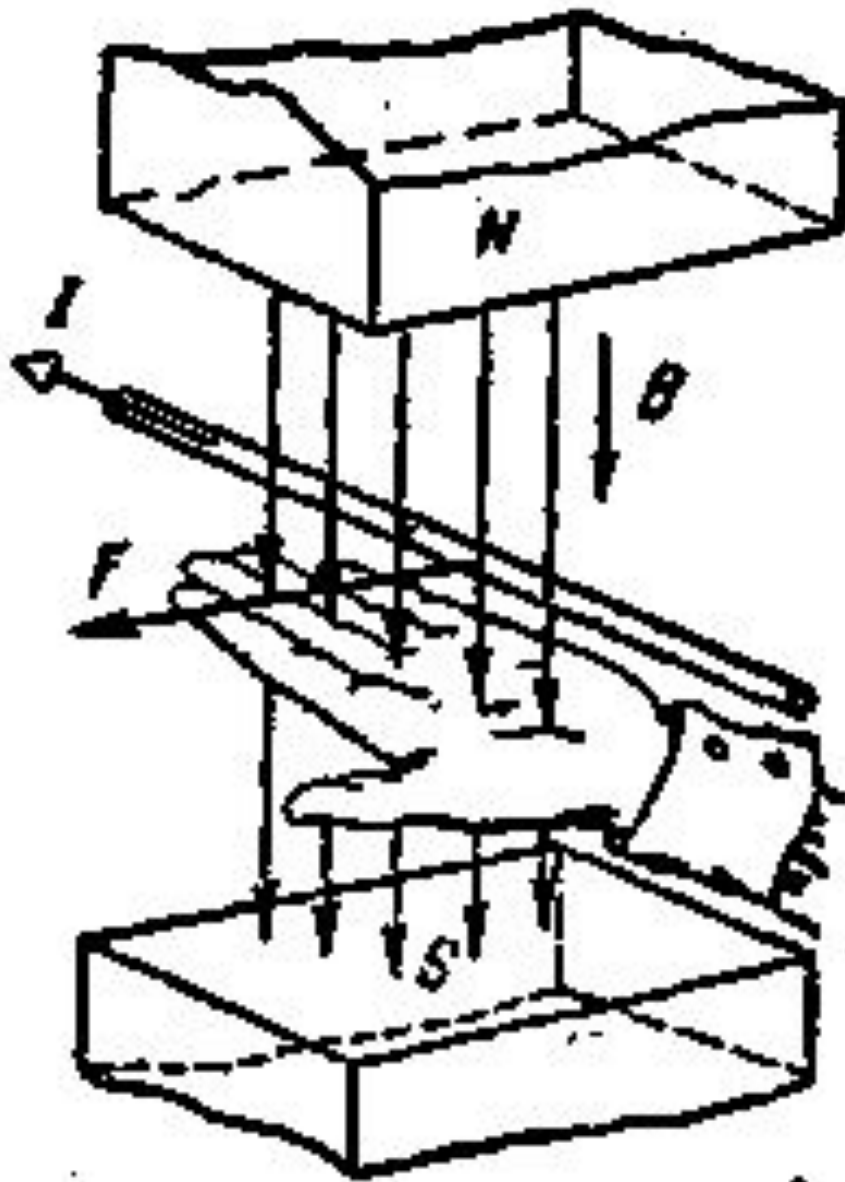
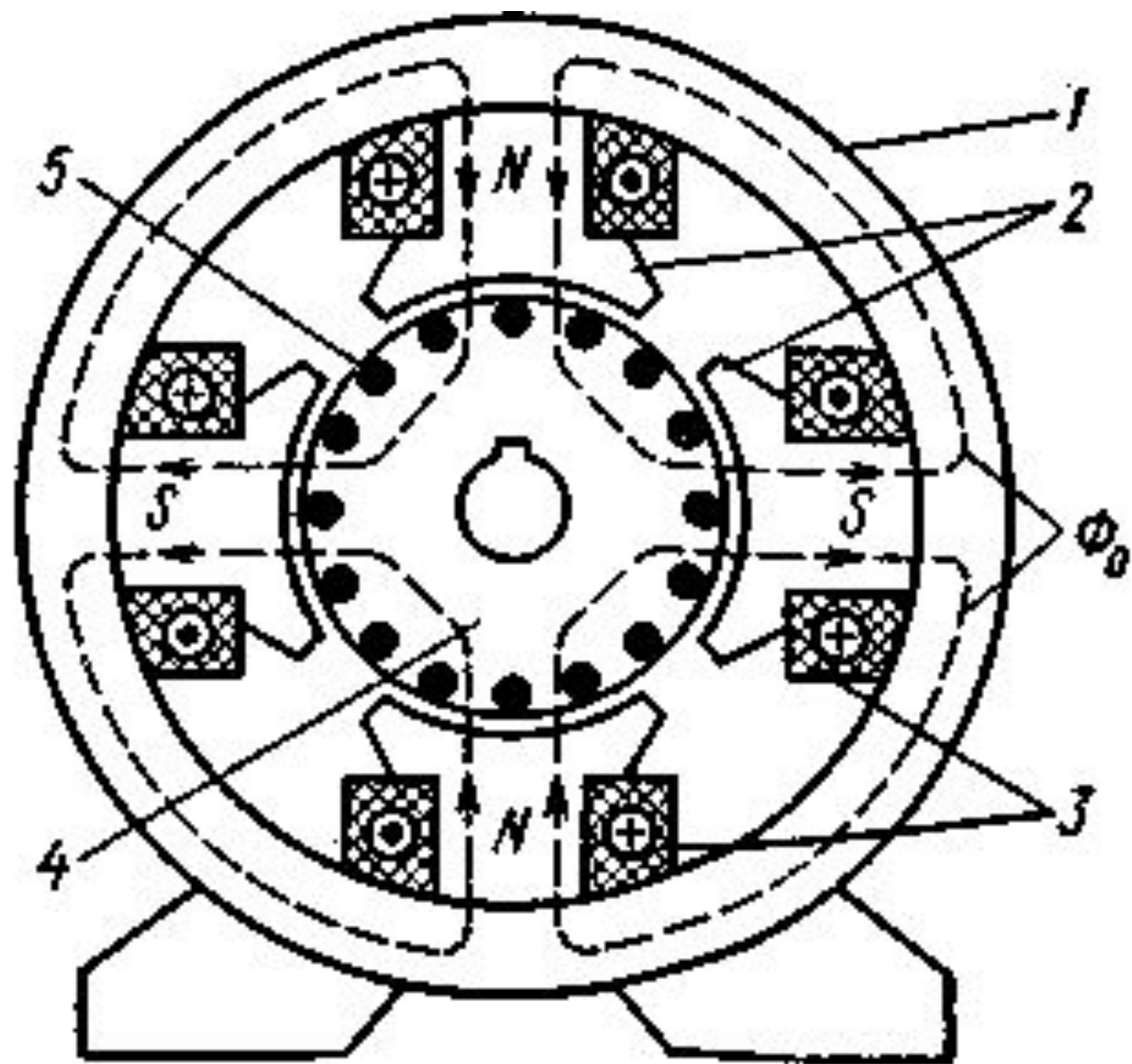
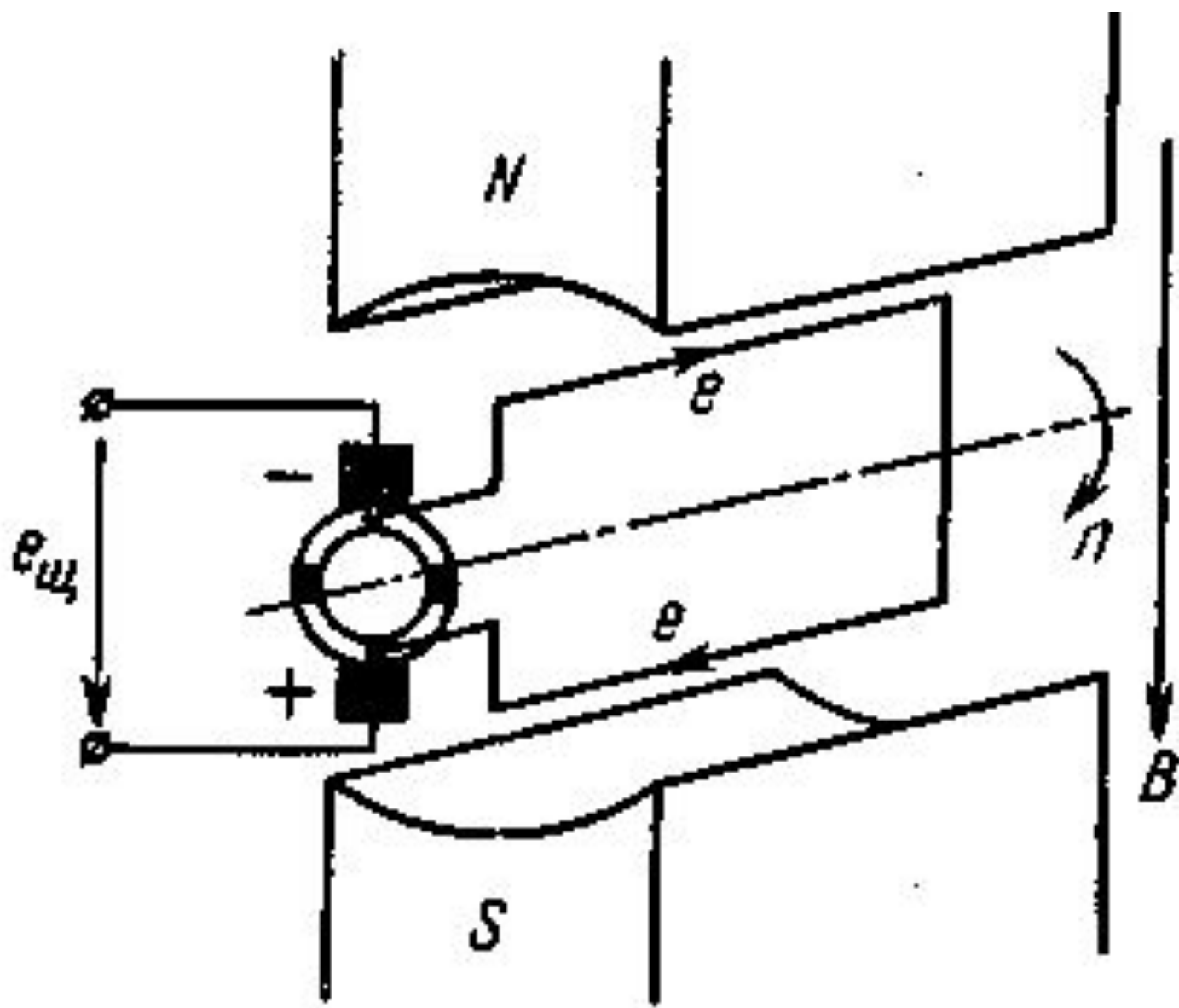
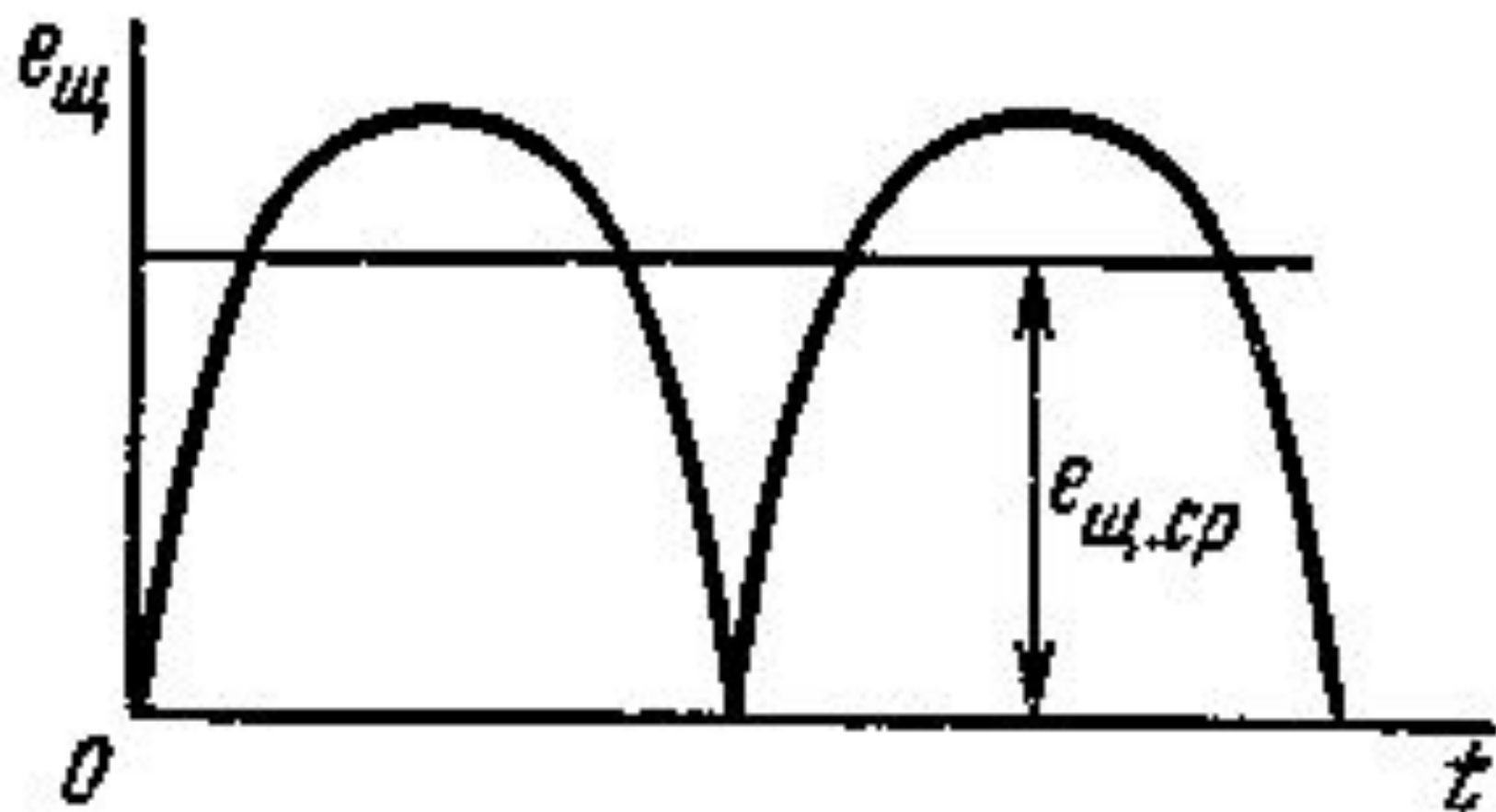


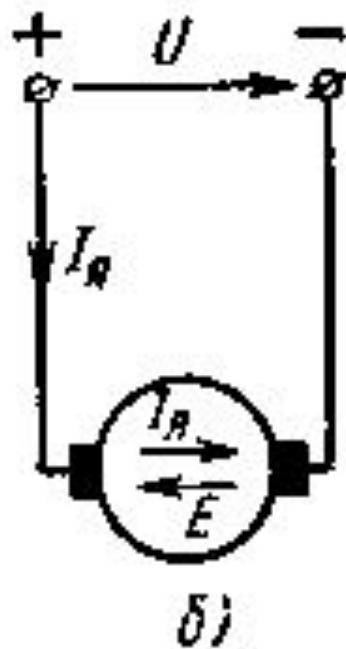
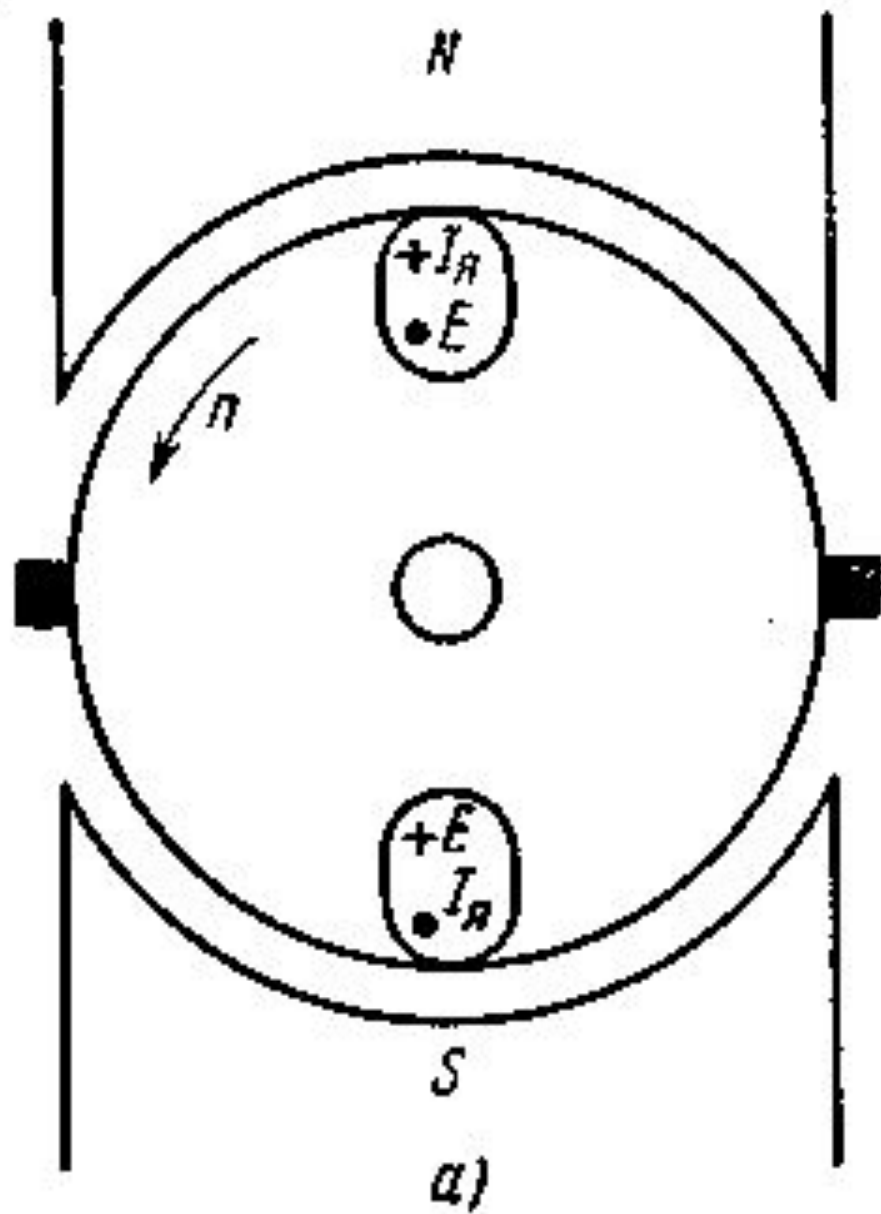
Рис. 1-4. Правило левой руки.

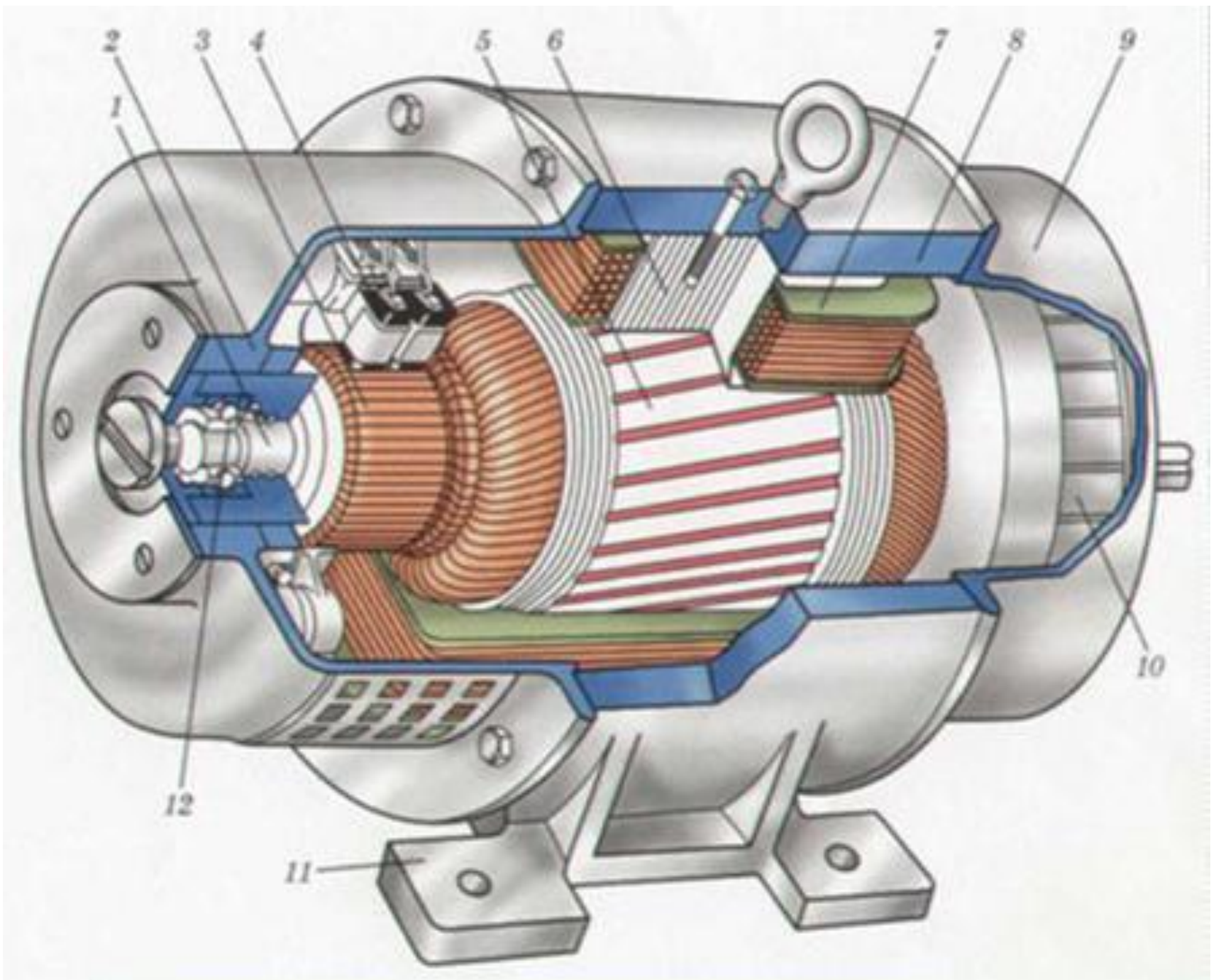


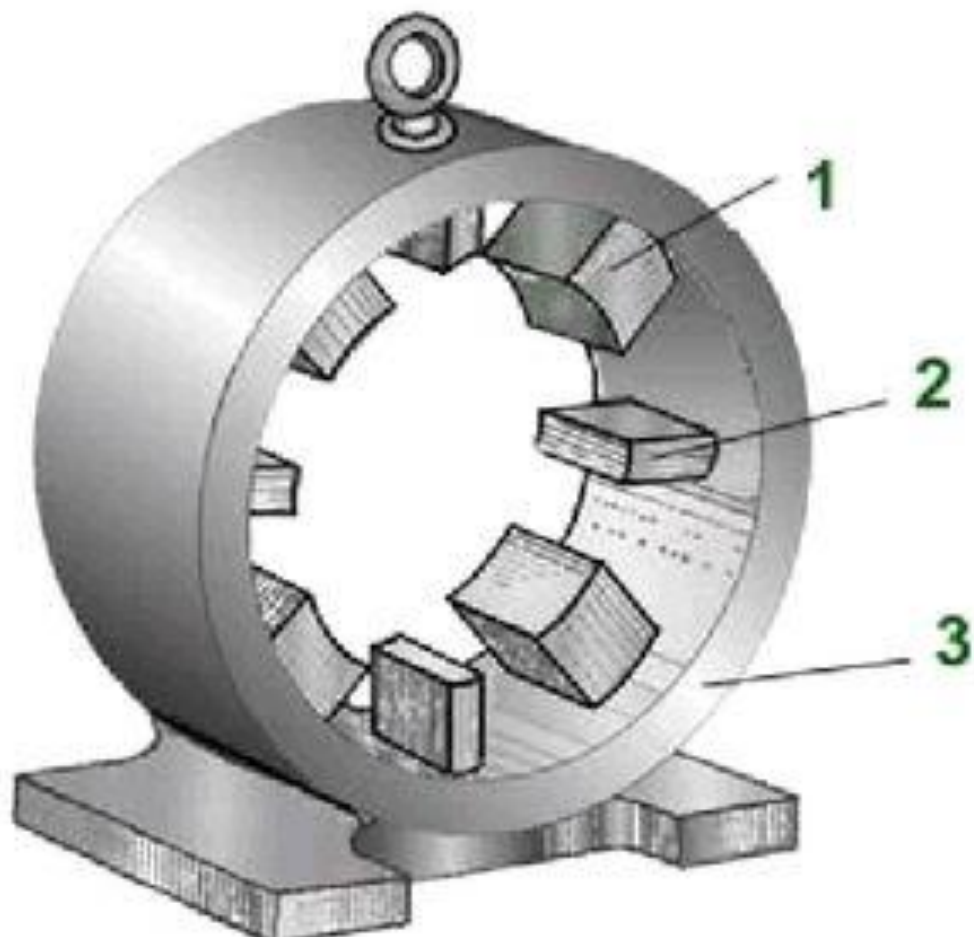




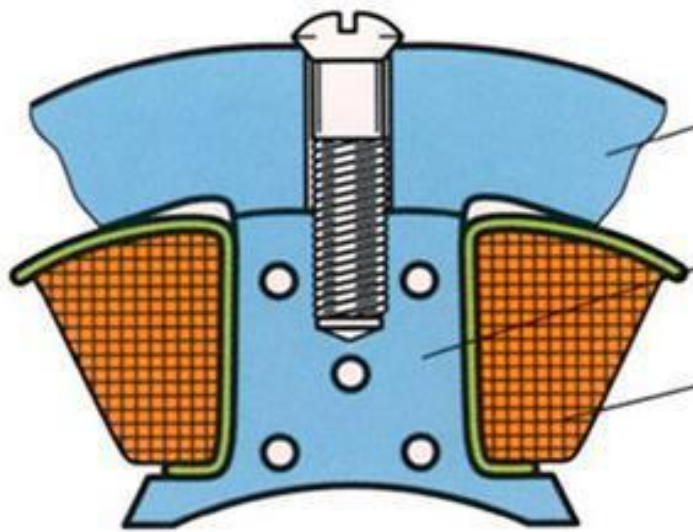
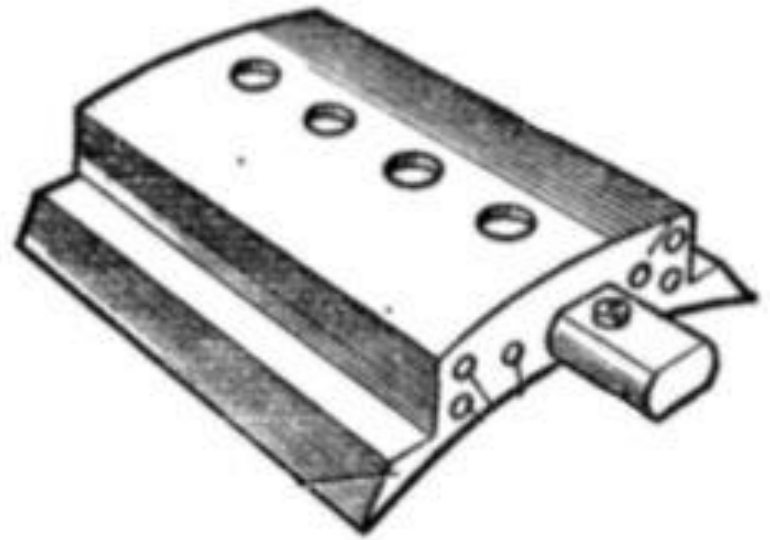
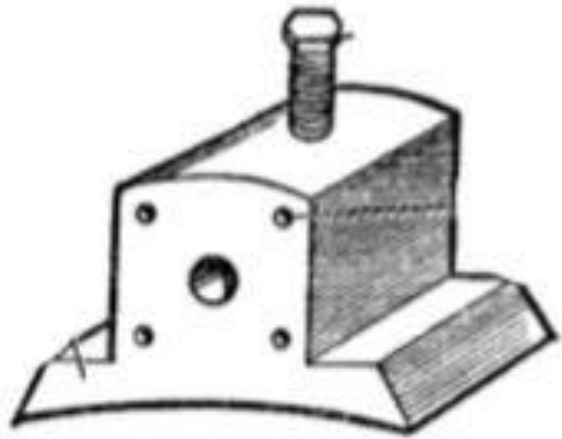








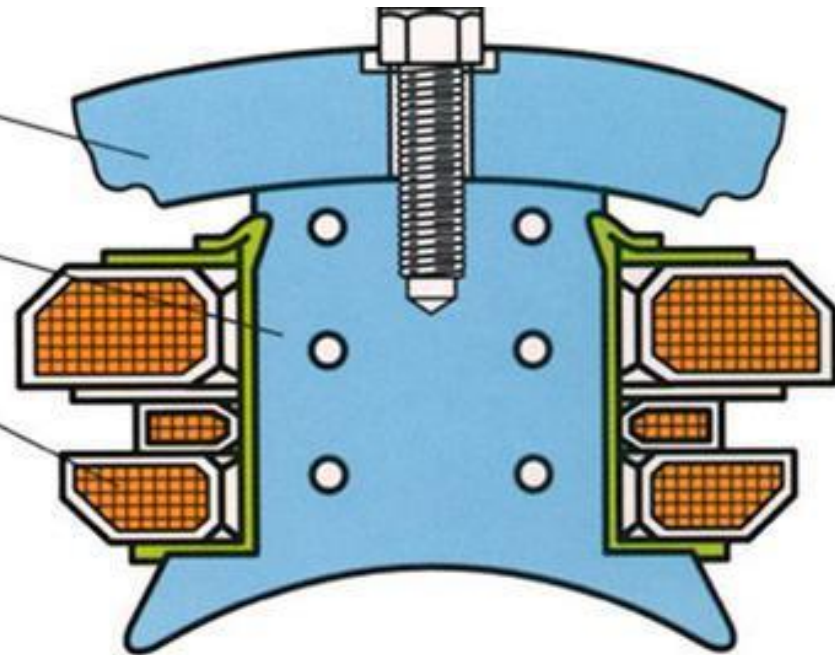
1 - главные полюсы,  
2 - дополнительные полюсы,  
3 - станина.

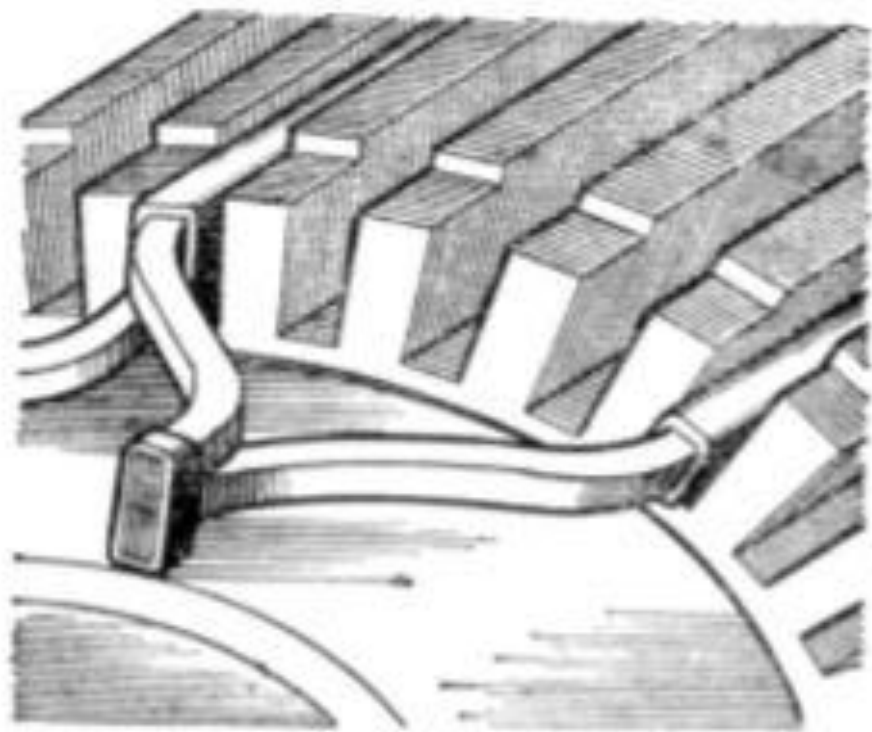
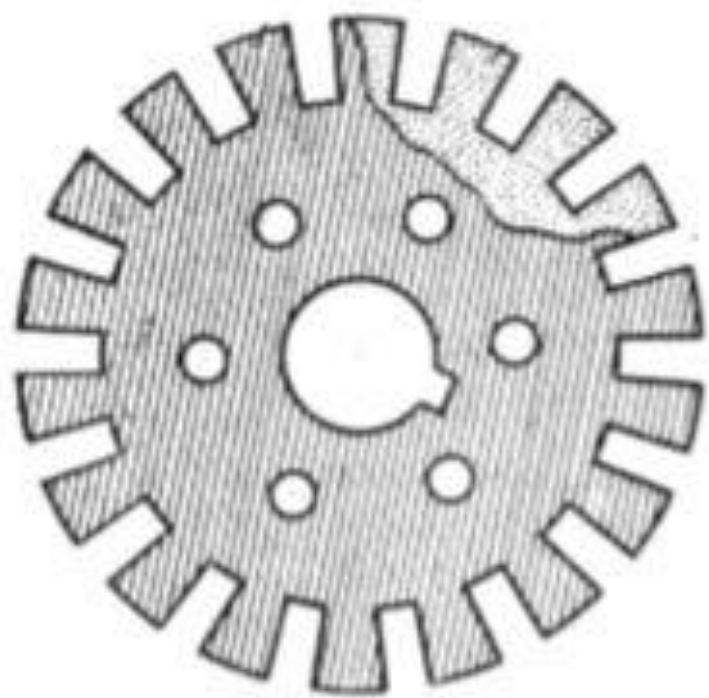


1

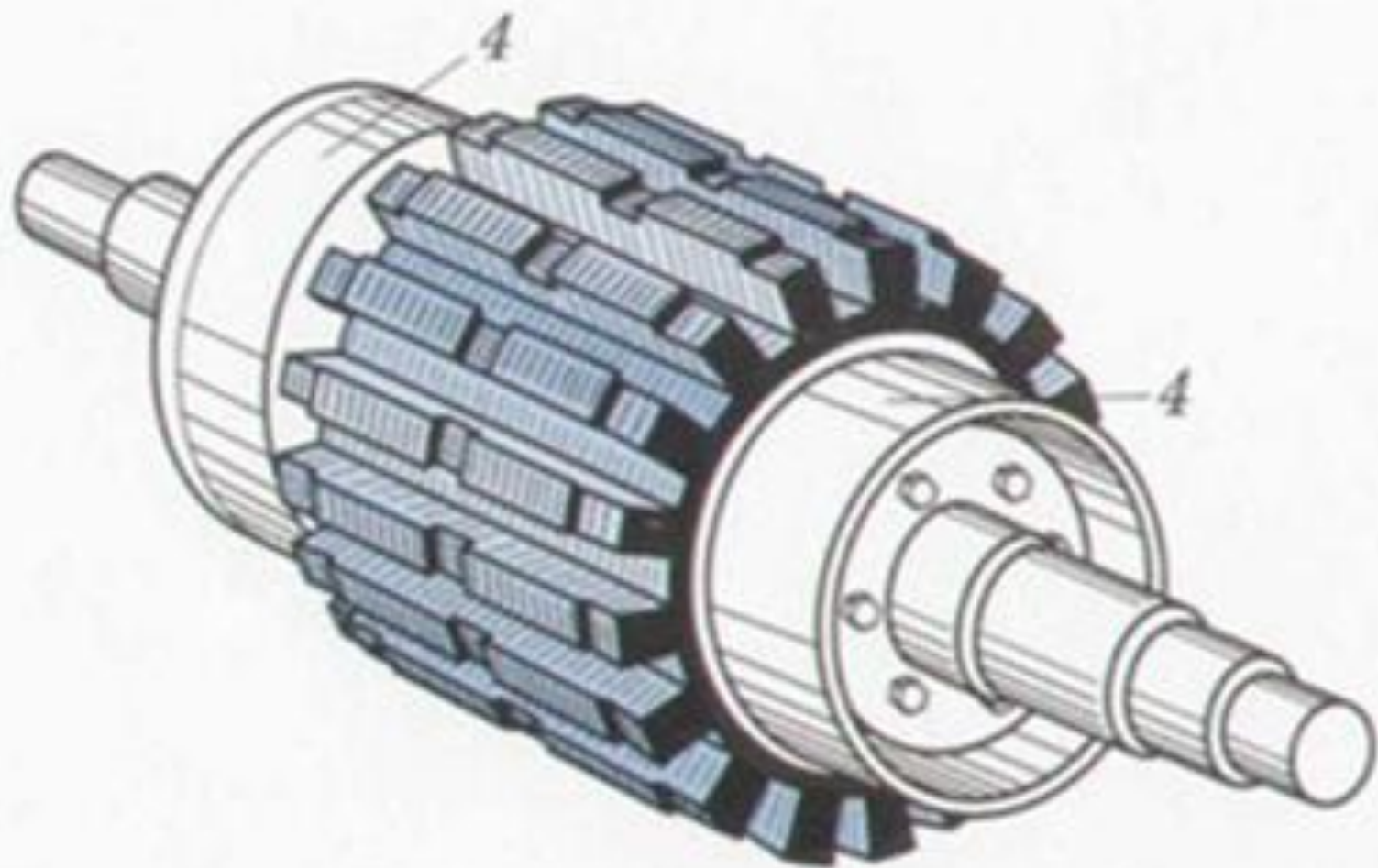
2

3

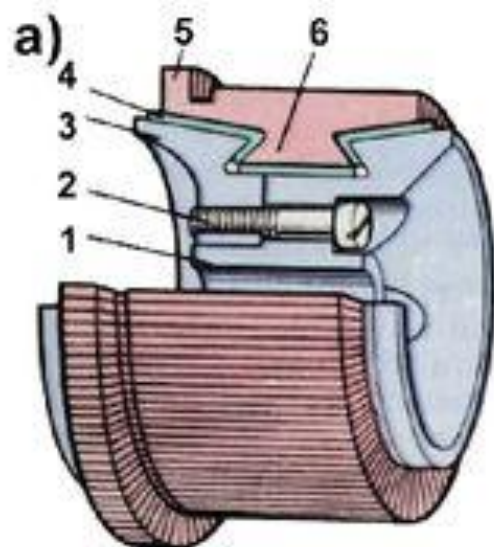




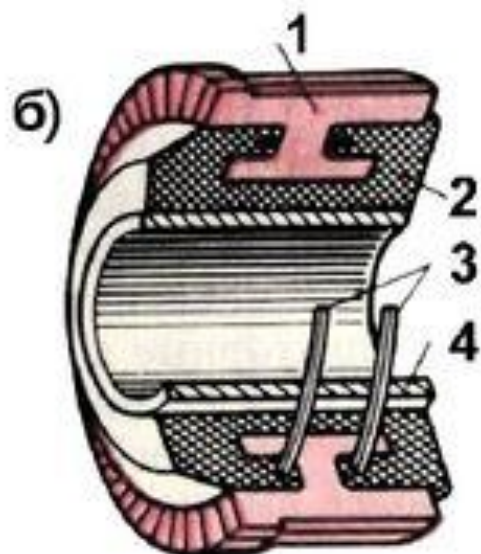
U U U



якорь без обмотки

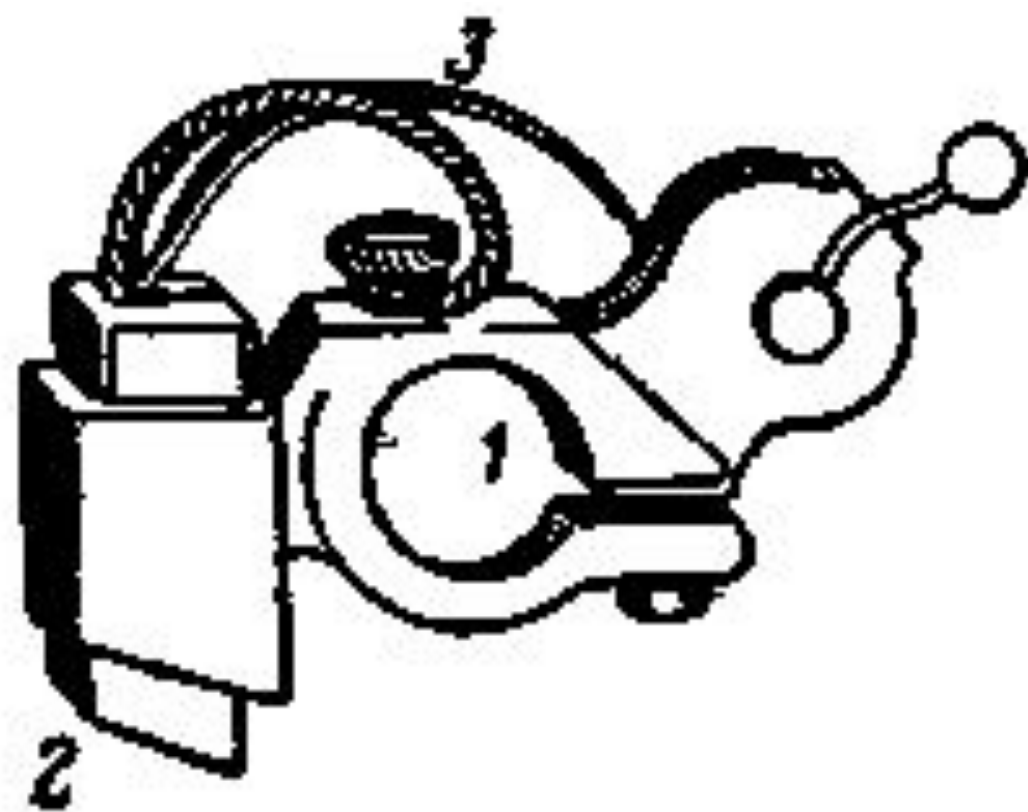


- 1,3 – конусные стальные шайбы.  
 2 – винты.  
 4 – микантовые прокладки.  
 5 – верхняя часть коллекторных пластин.  
 6 – нижняя часть коллекторных пластин.

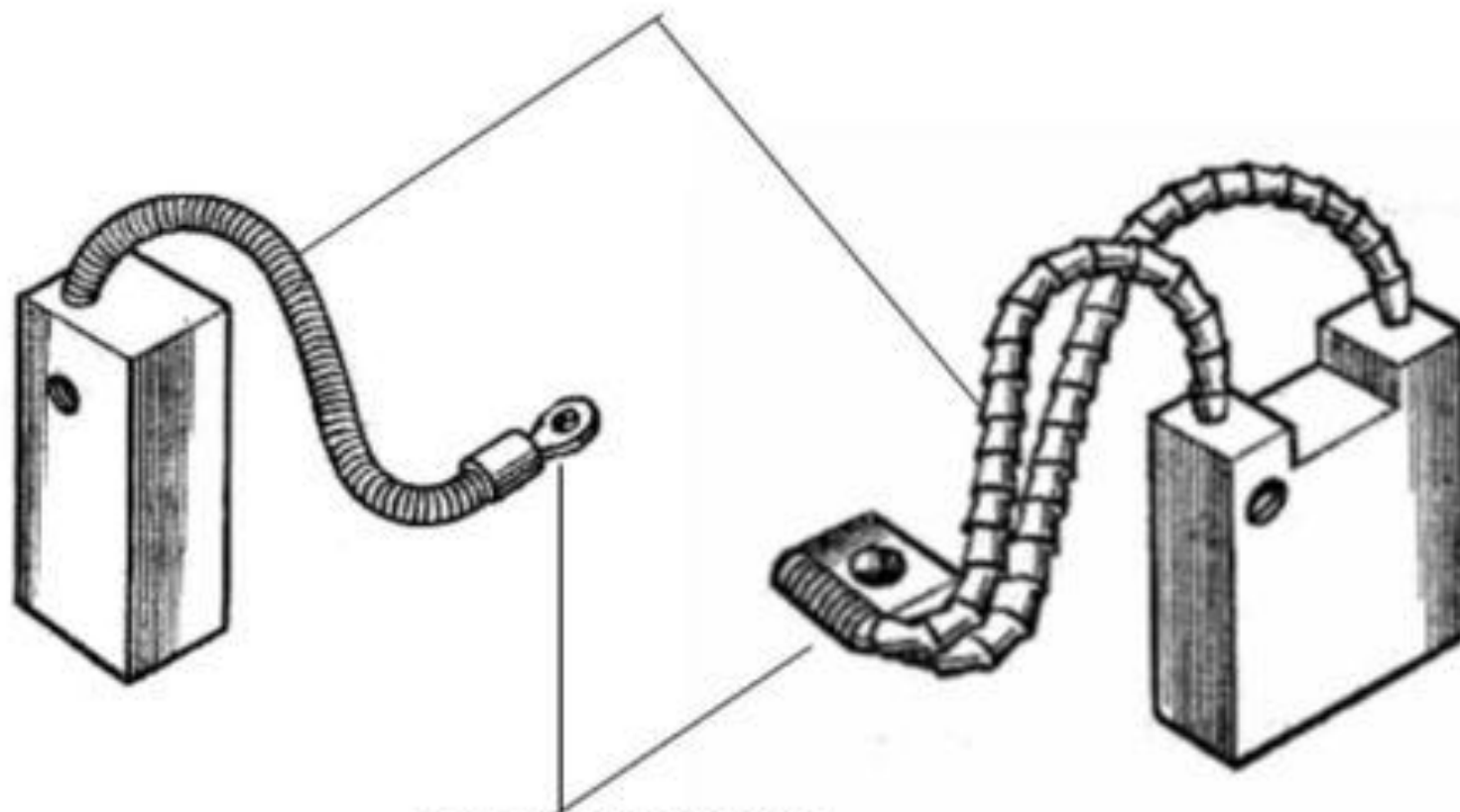


- 1 – набор пластин.  
 2 – пластмасса.  
 3 – армирующие стальные кольца.  
 4 – стальная втулка.

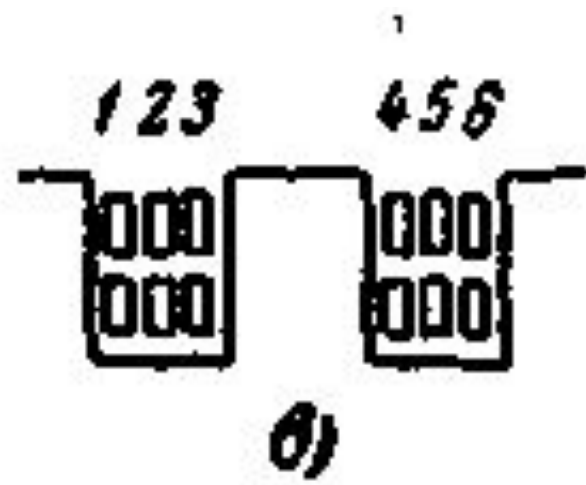
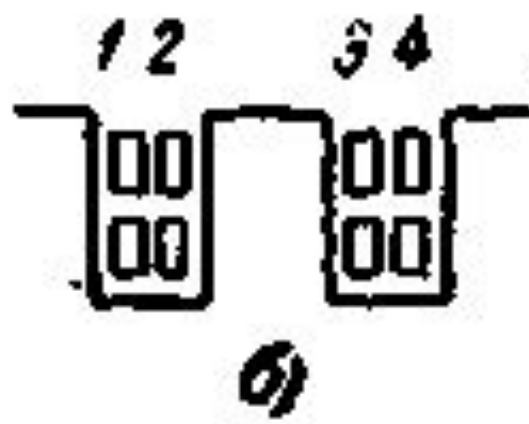
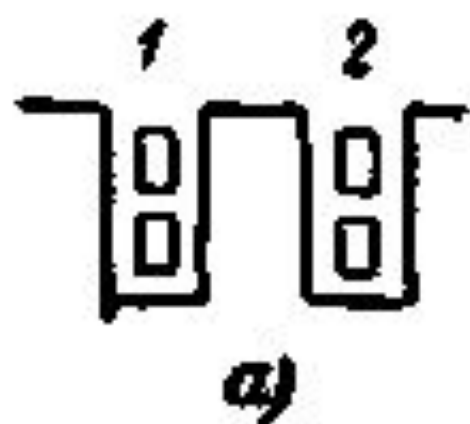
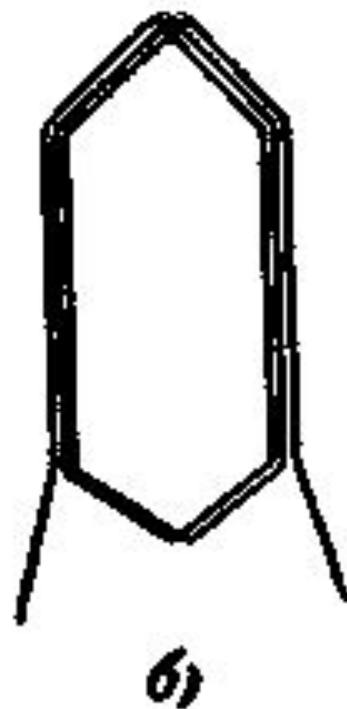
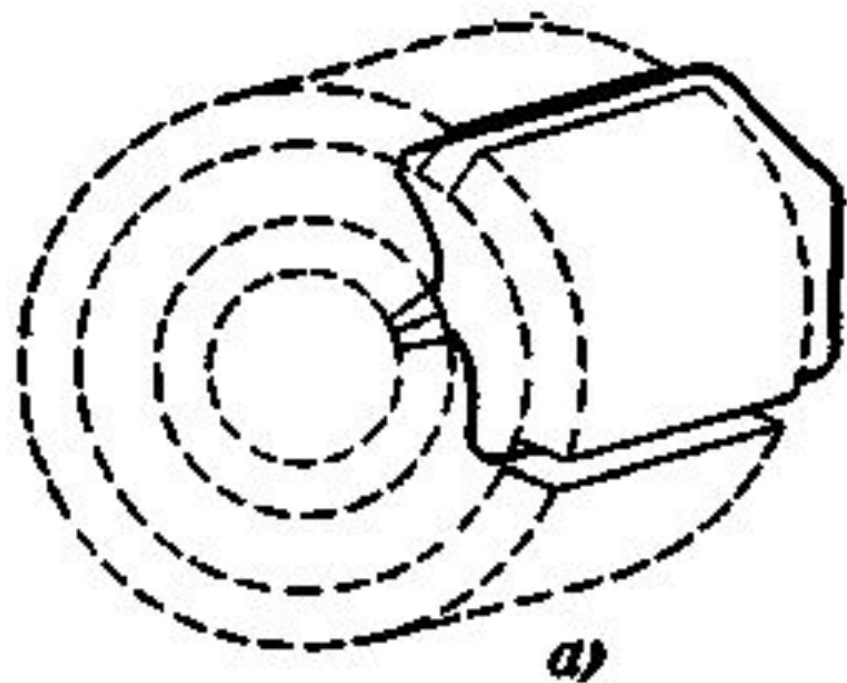


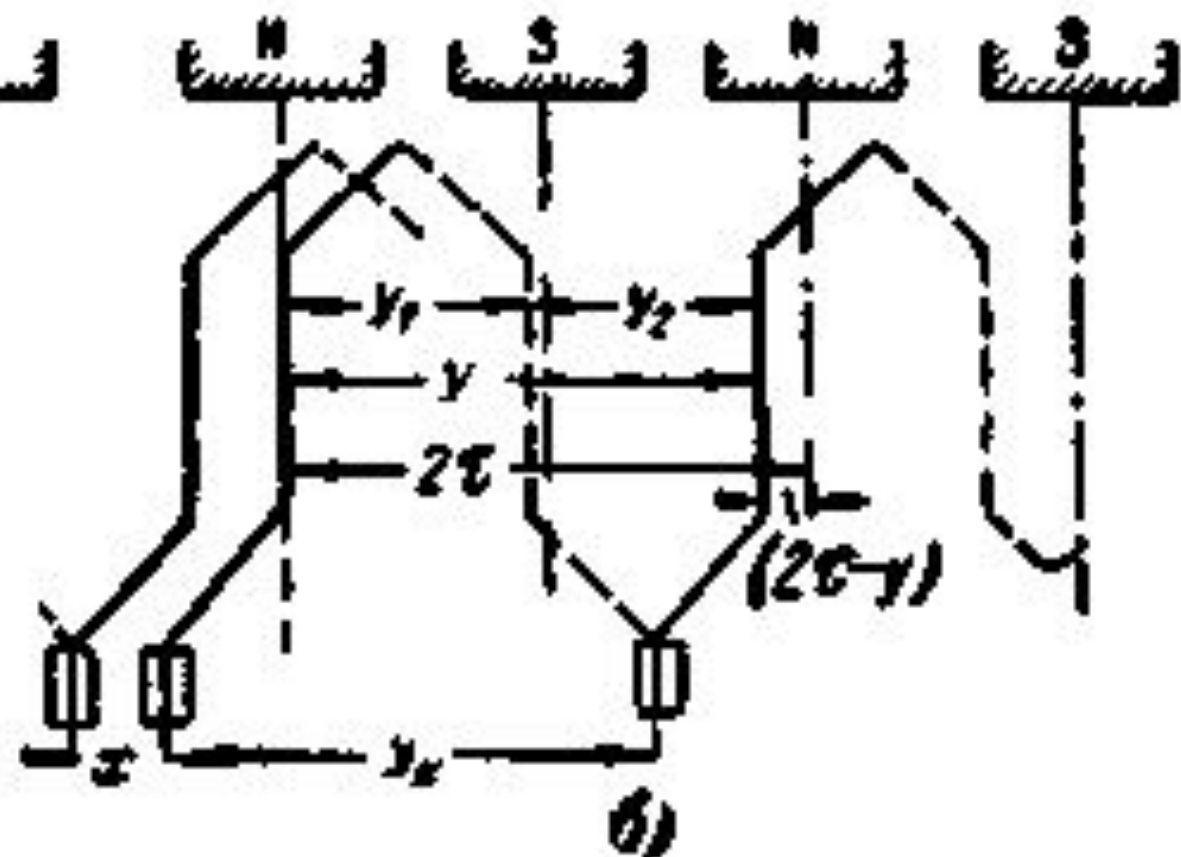
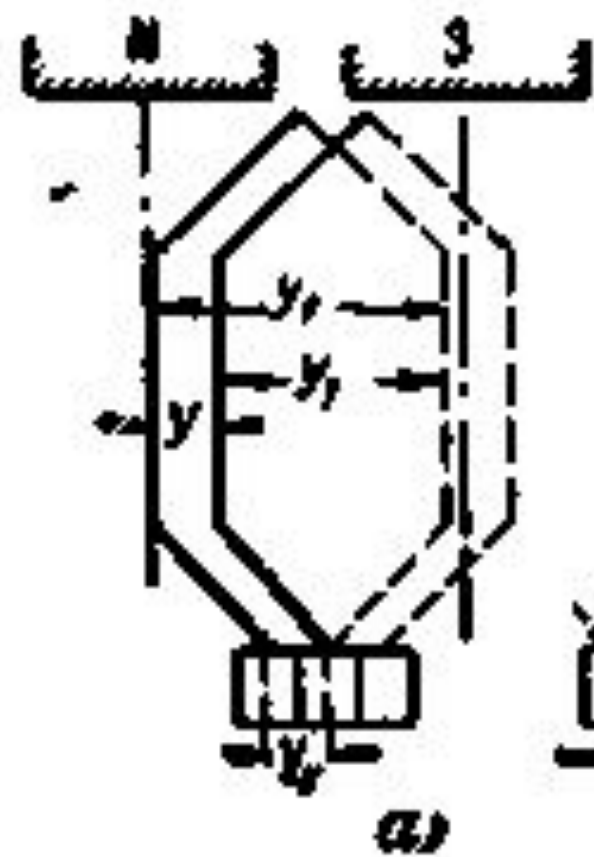


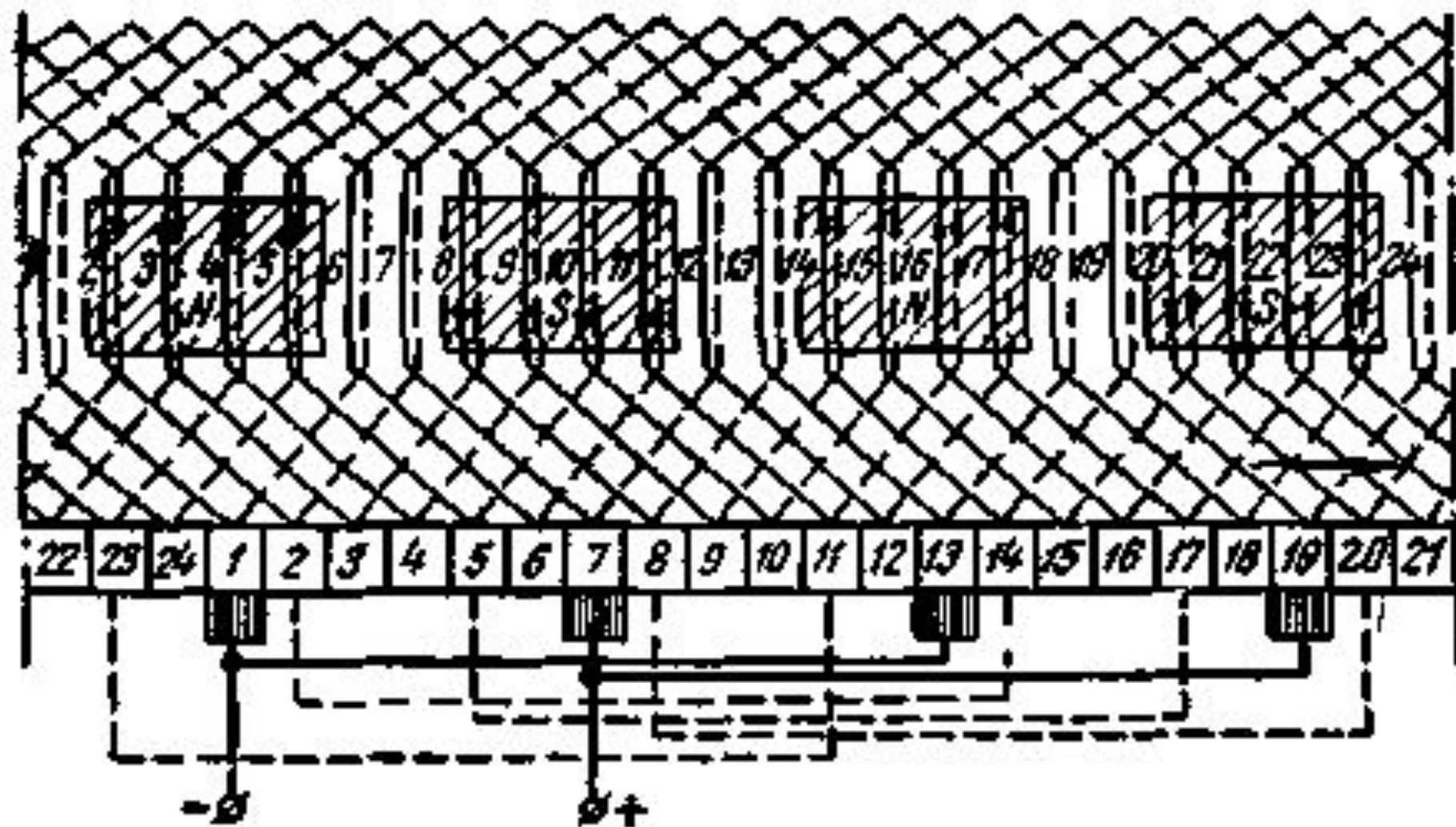
щеточный канатик

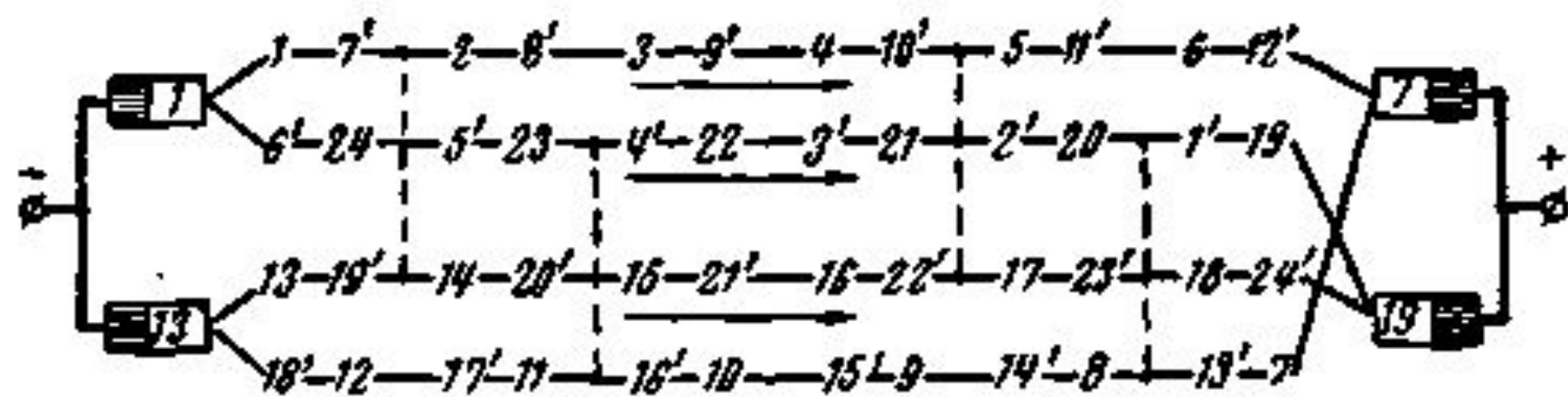


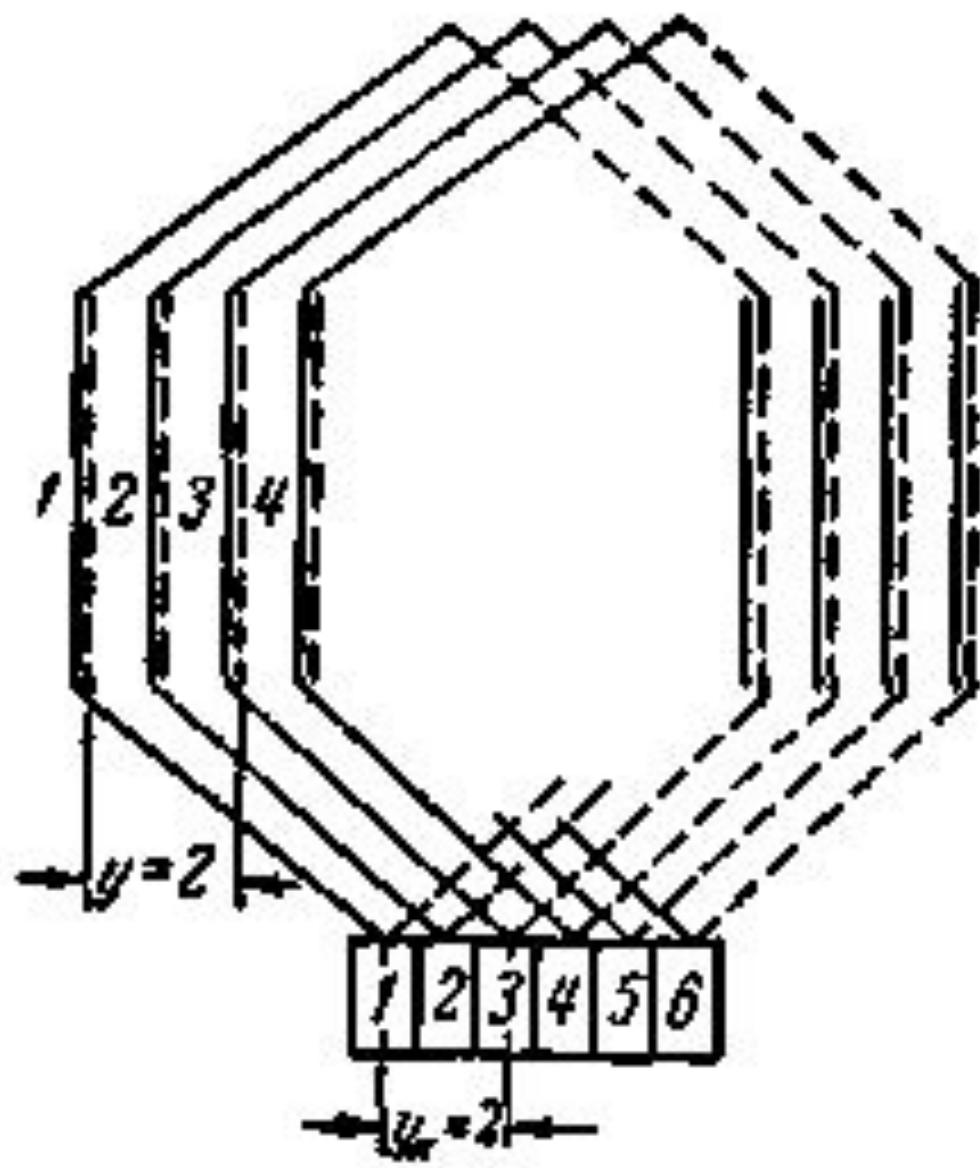
наконечник





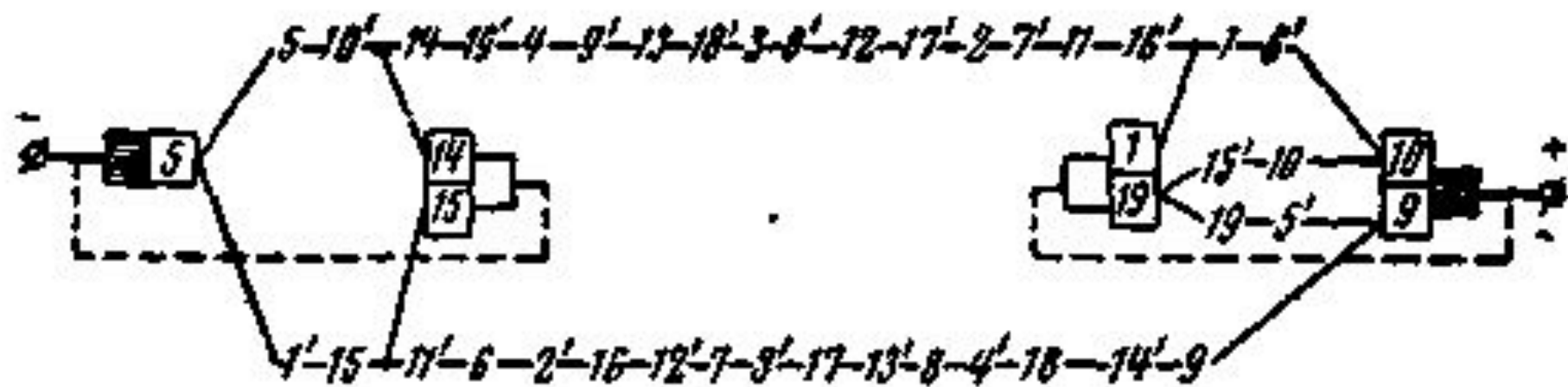


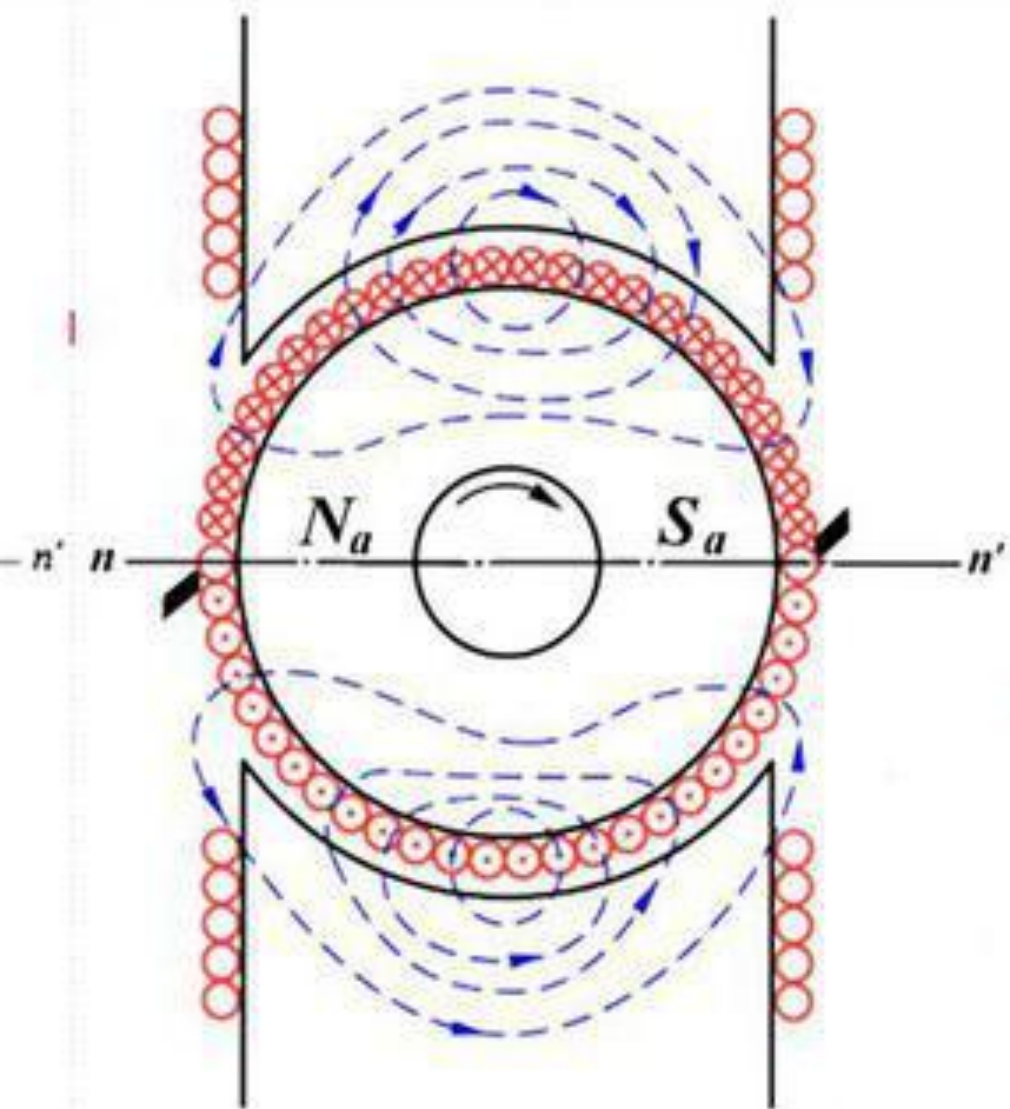
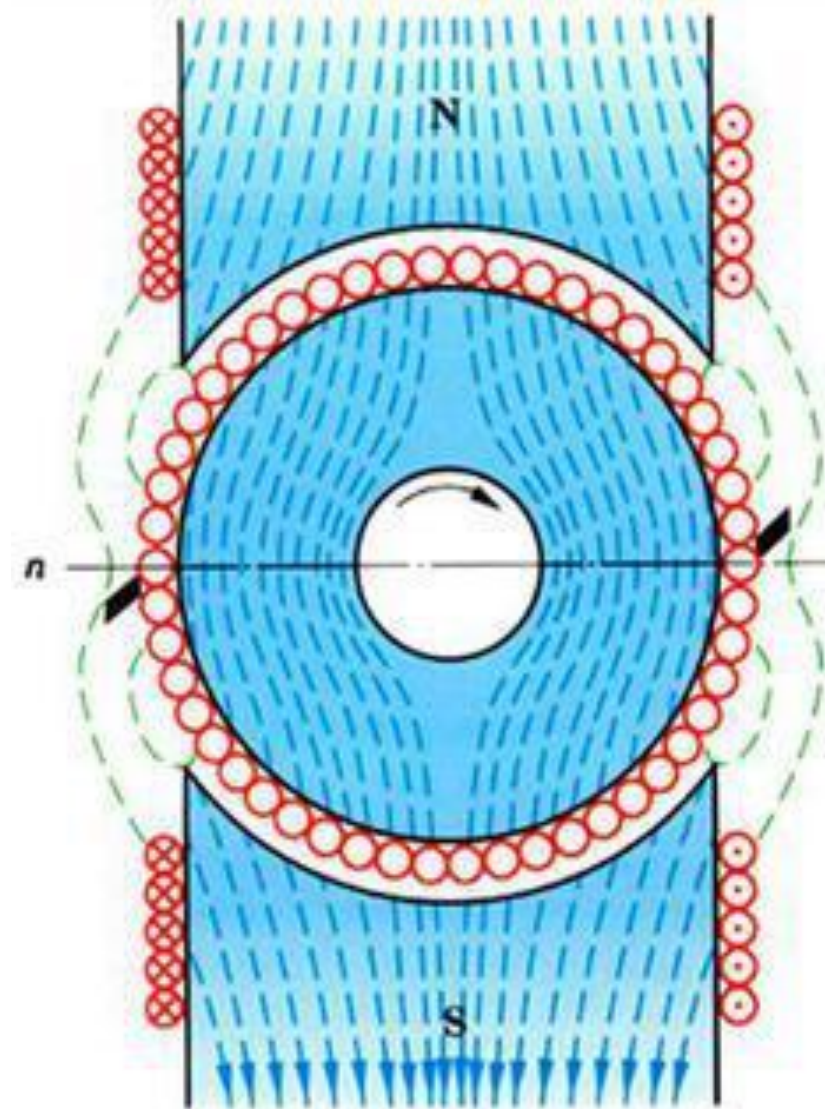


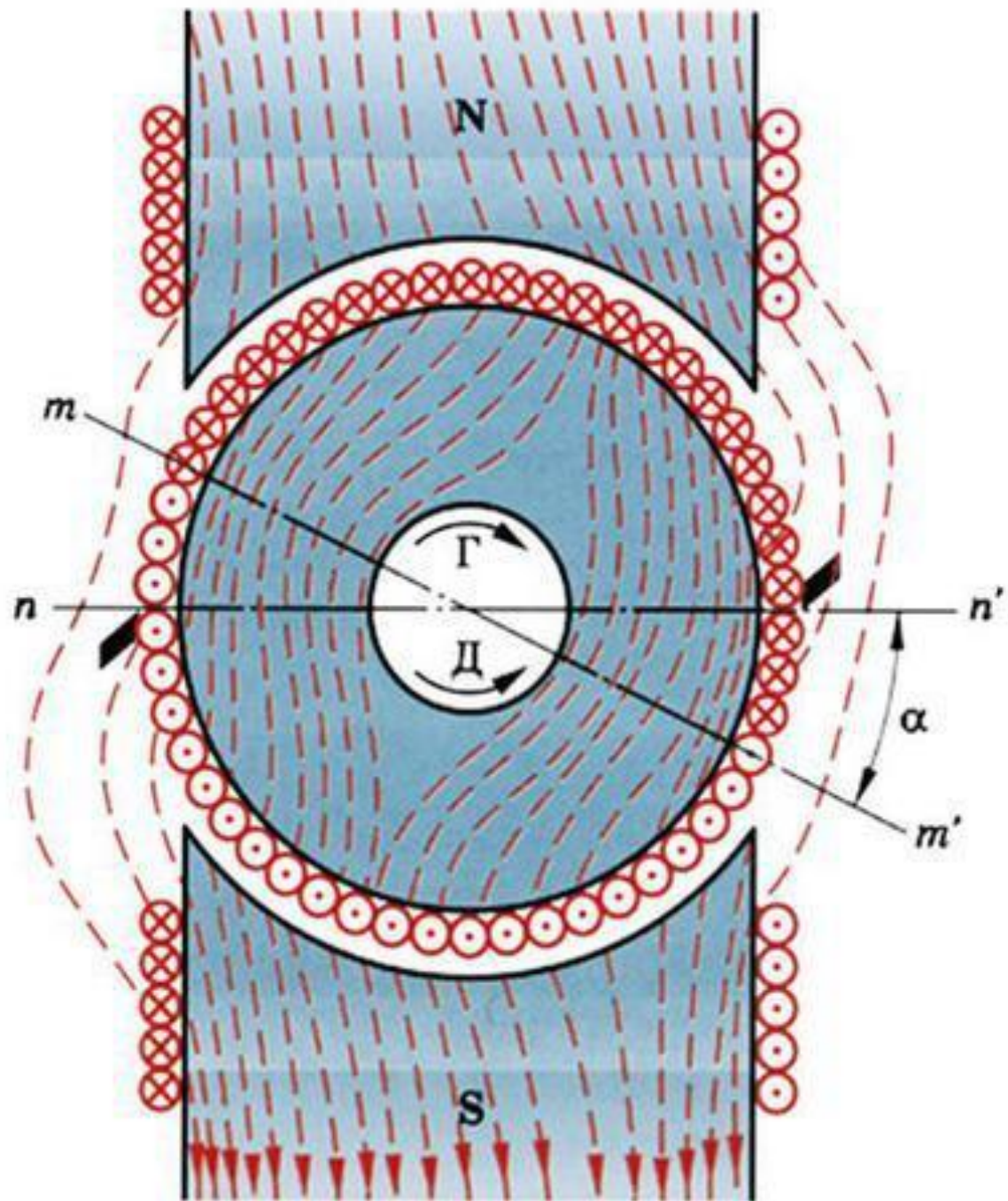


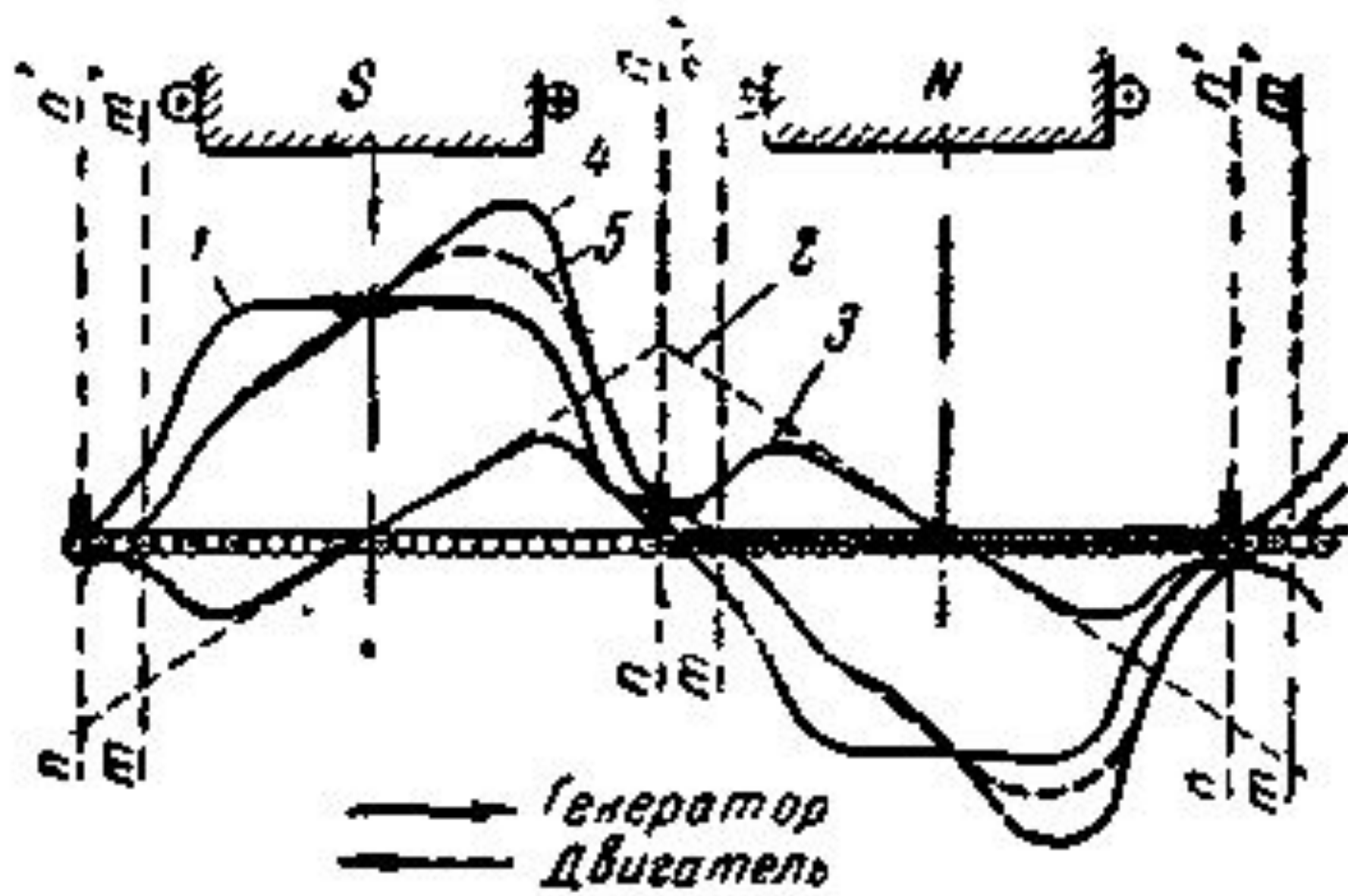


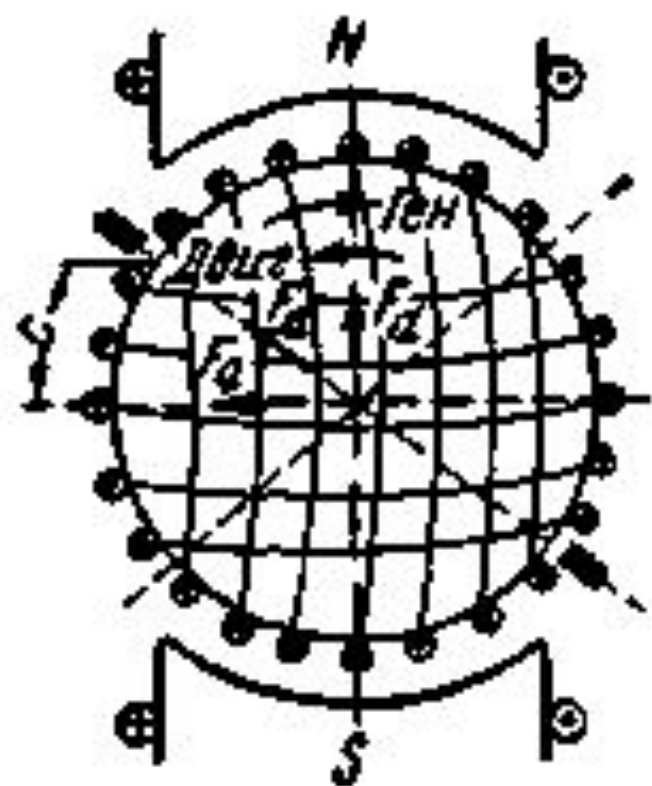




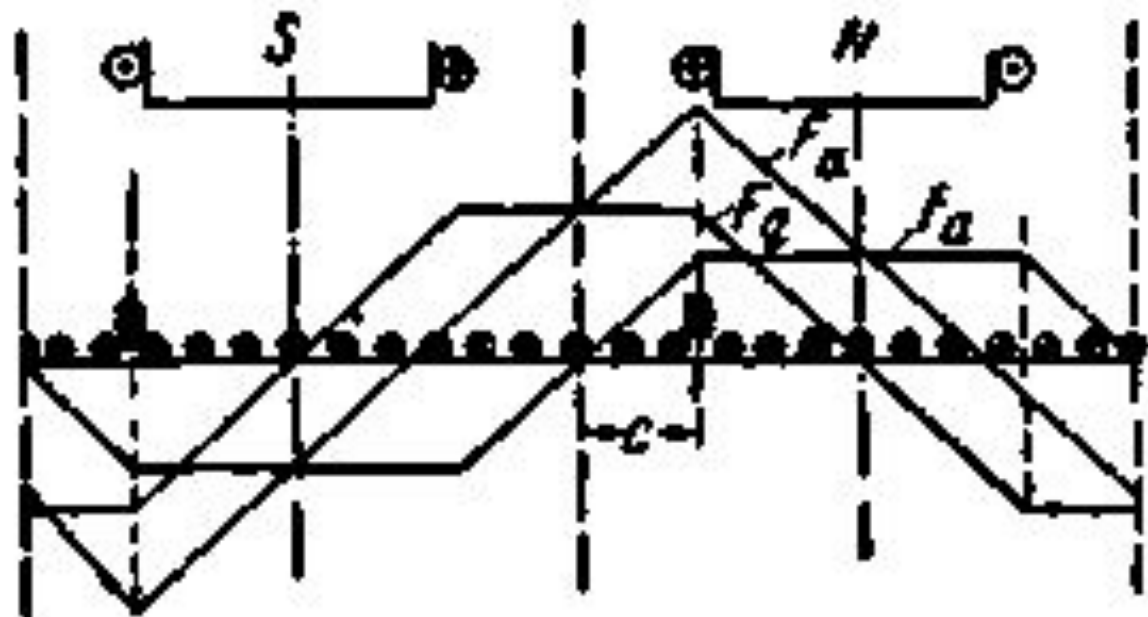




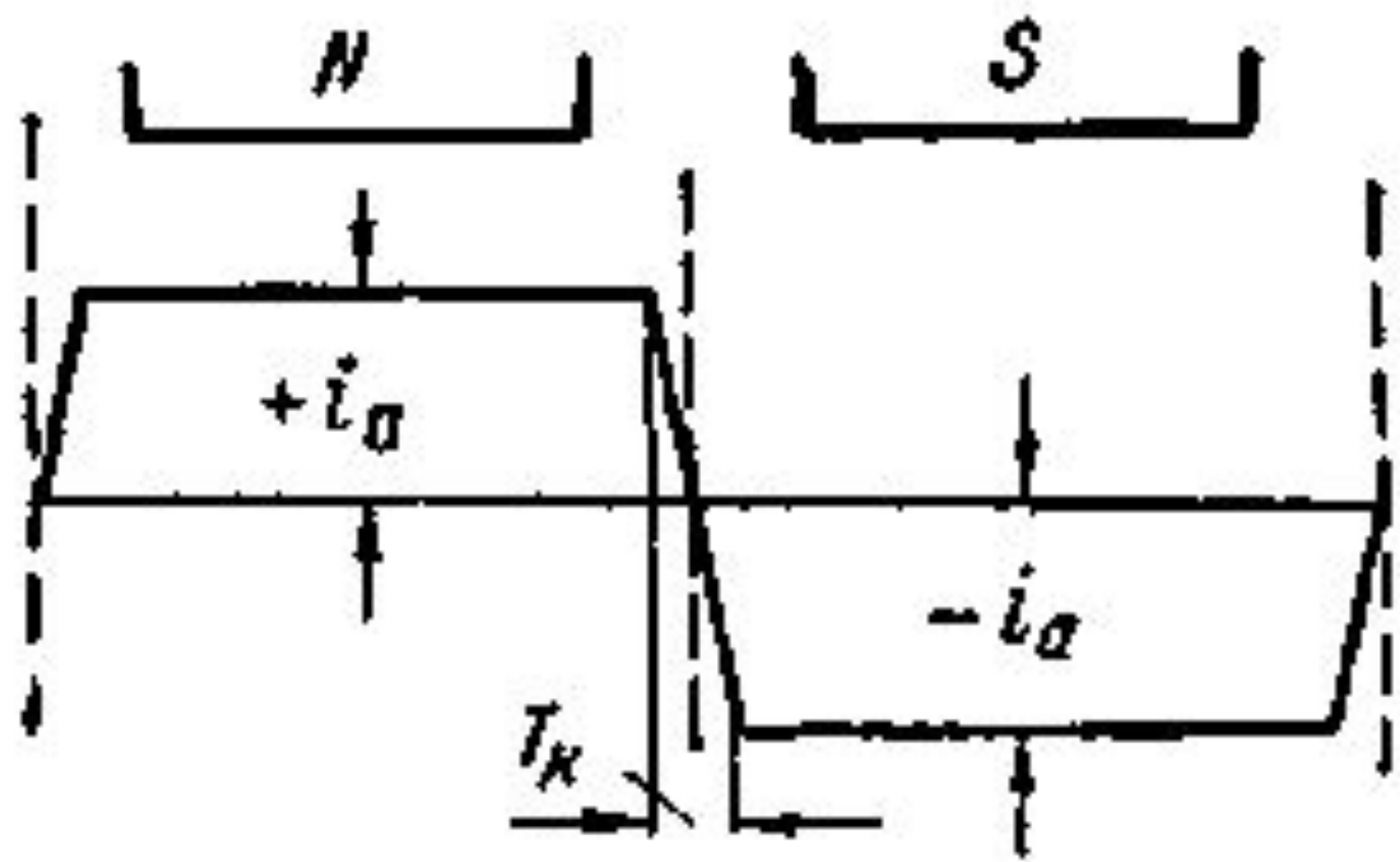


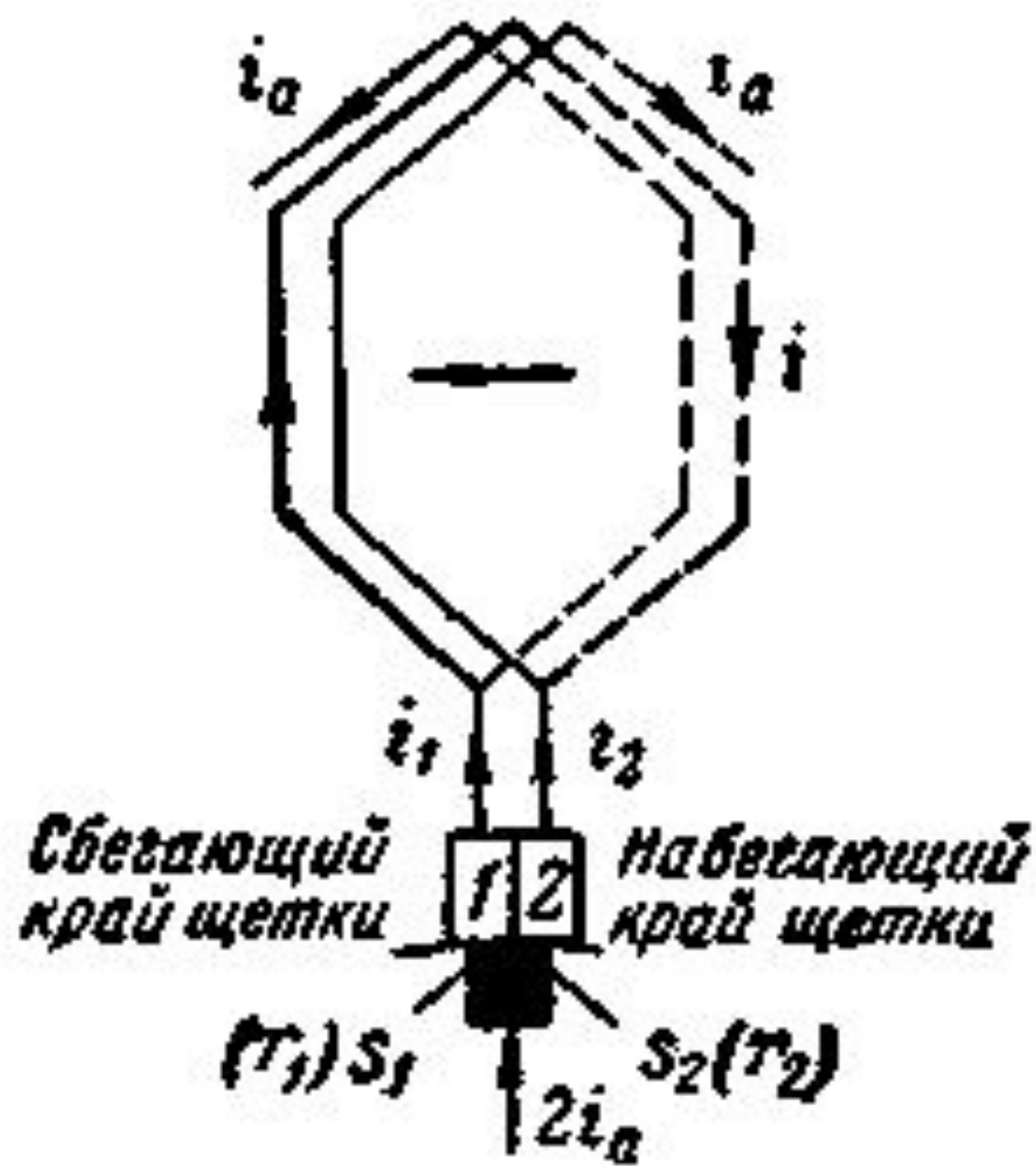


a)

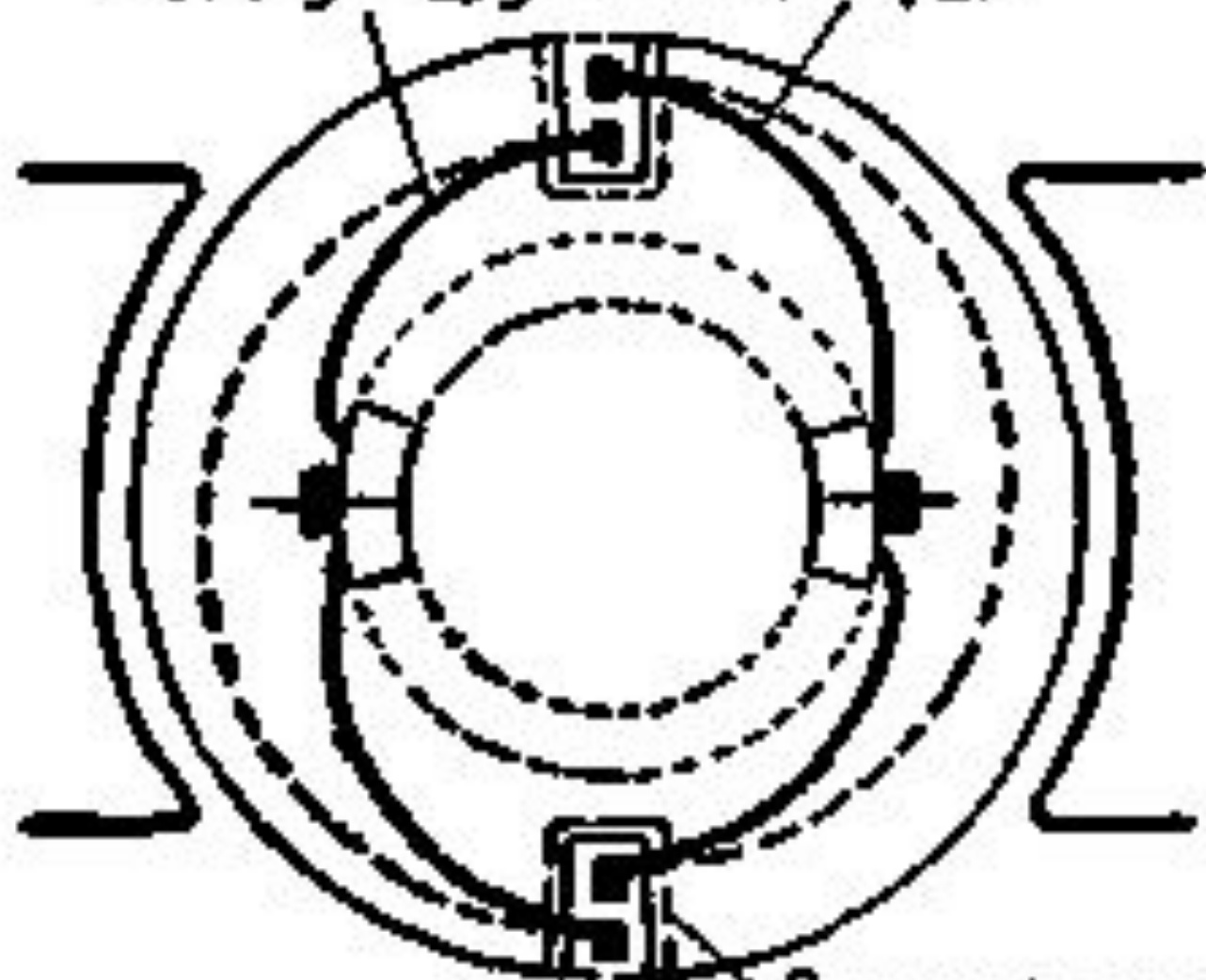


b)



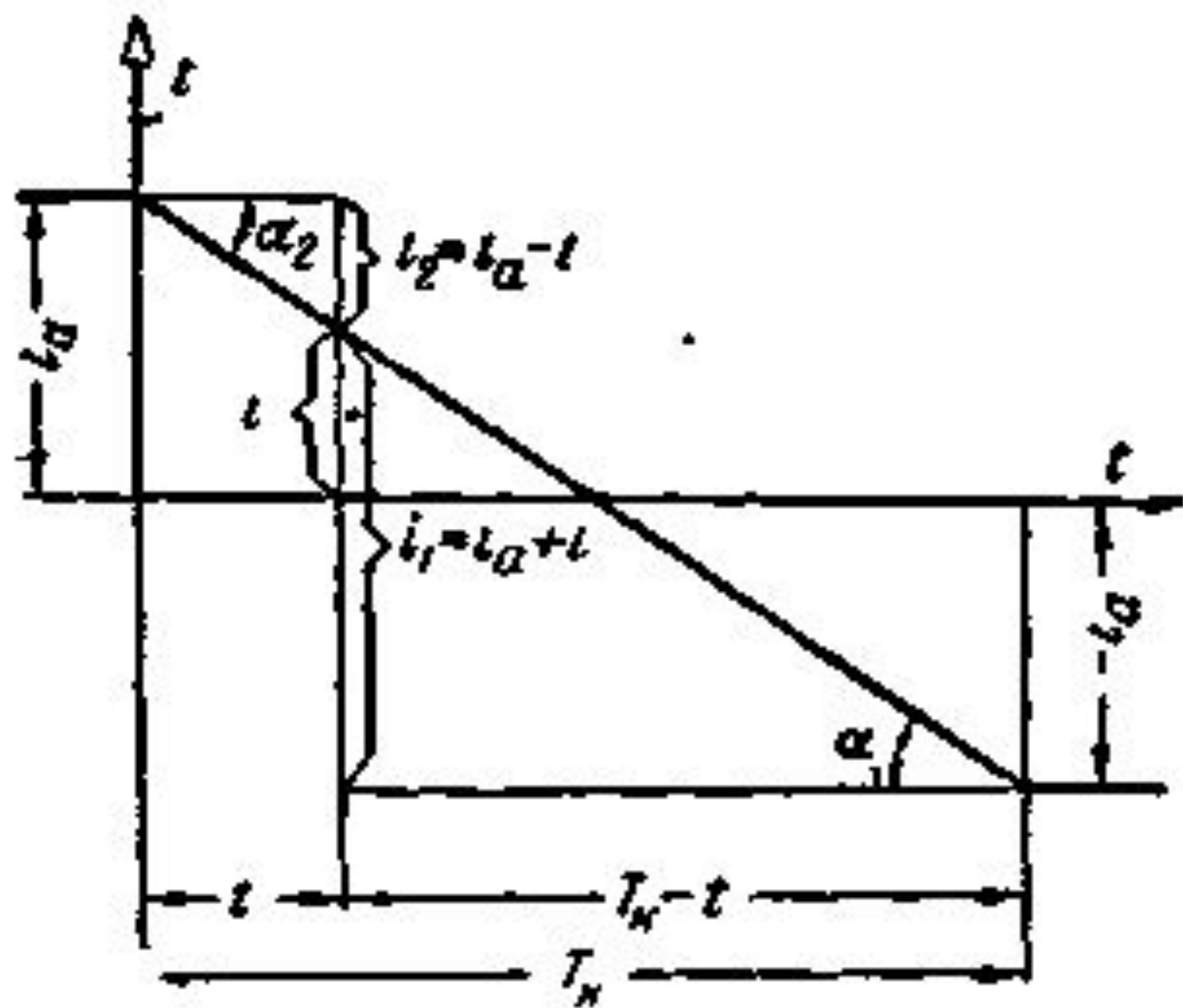


*Коммутируемые секции*

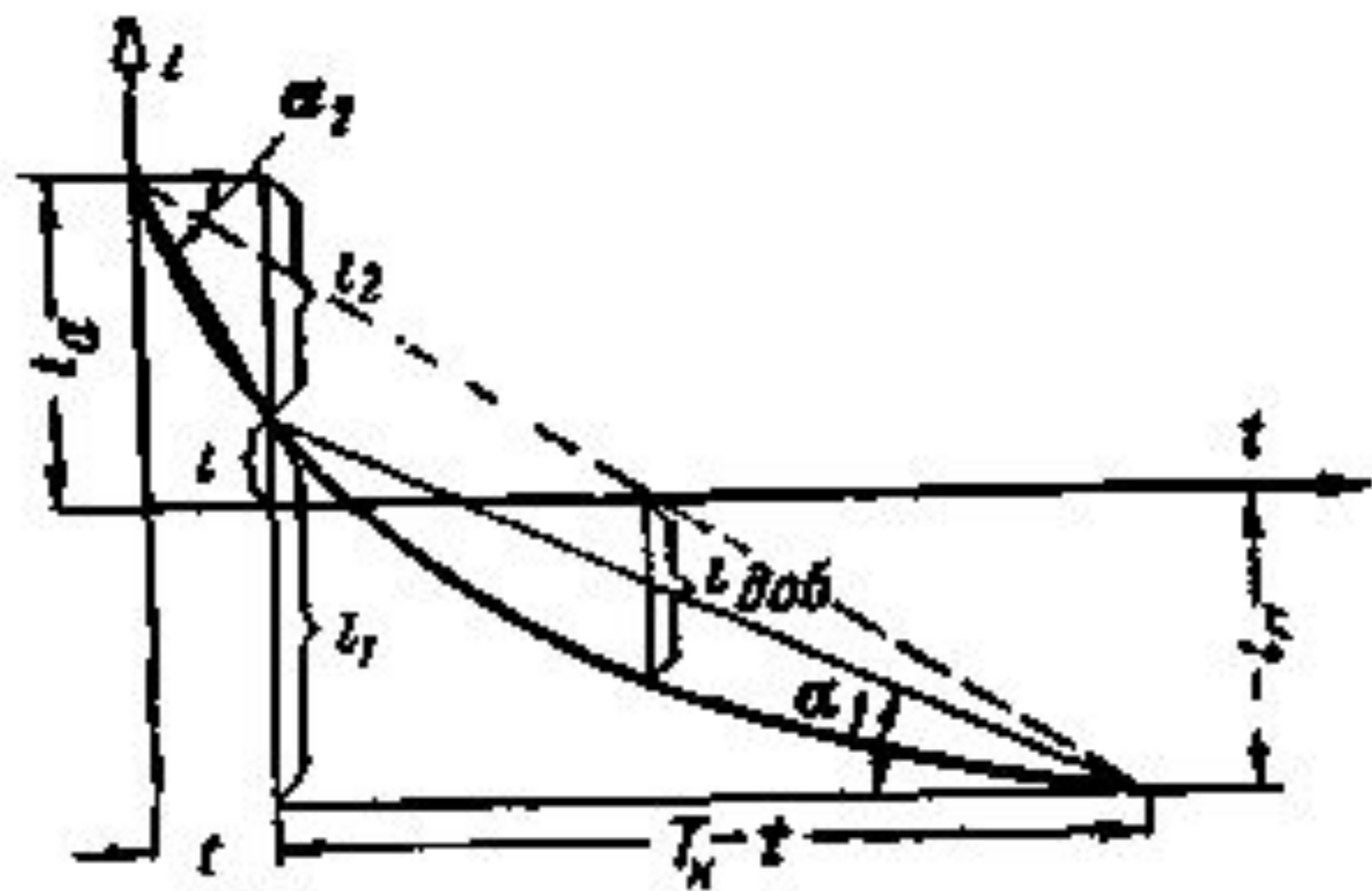


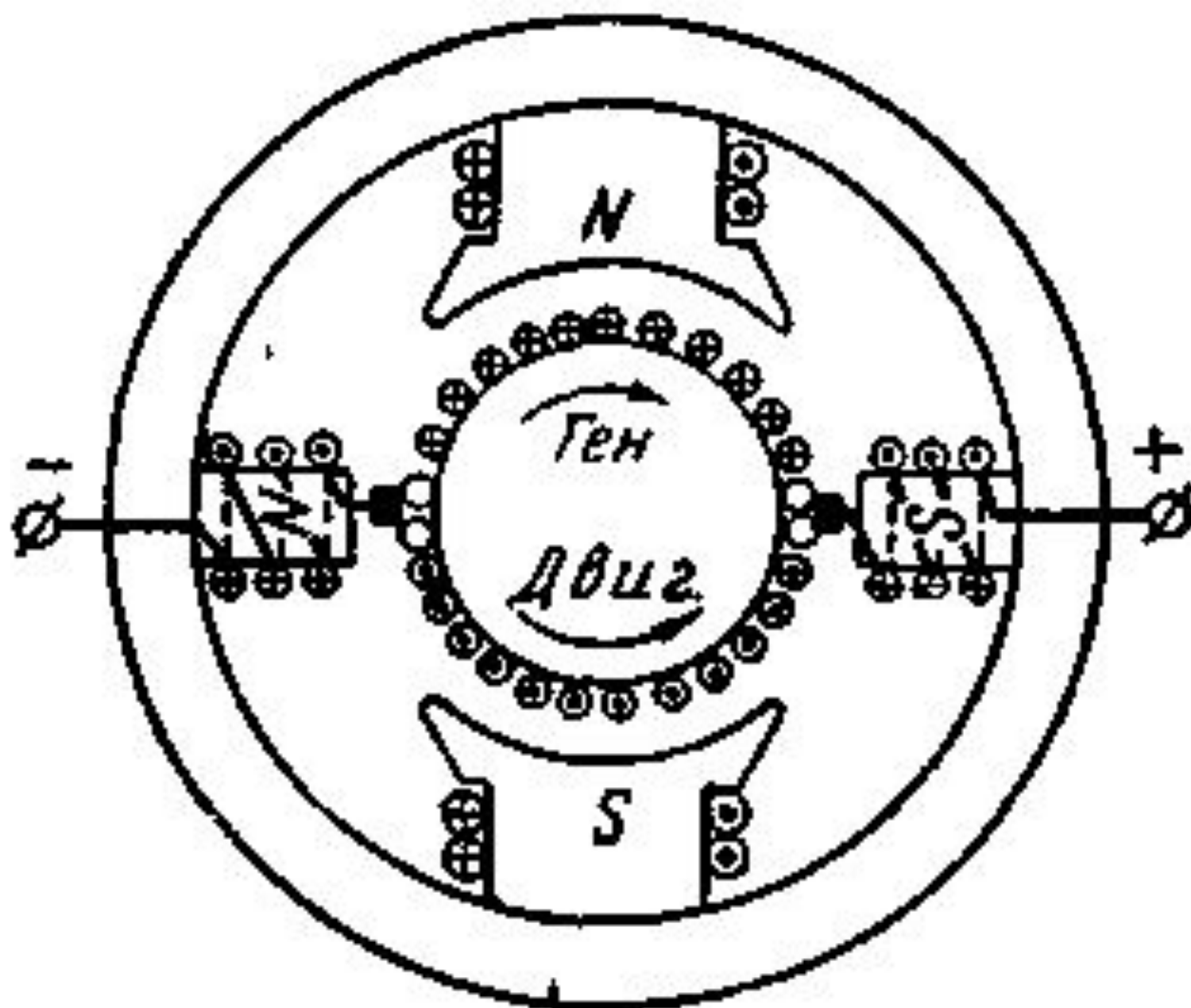
*Поле само- и  
взаимной индукции*

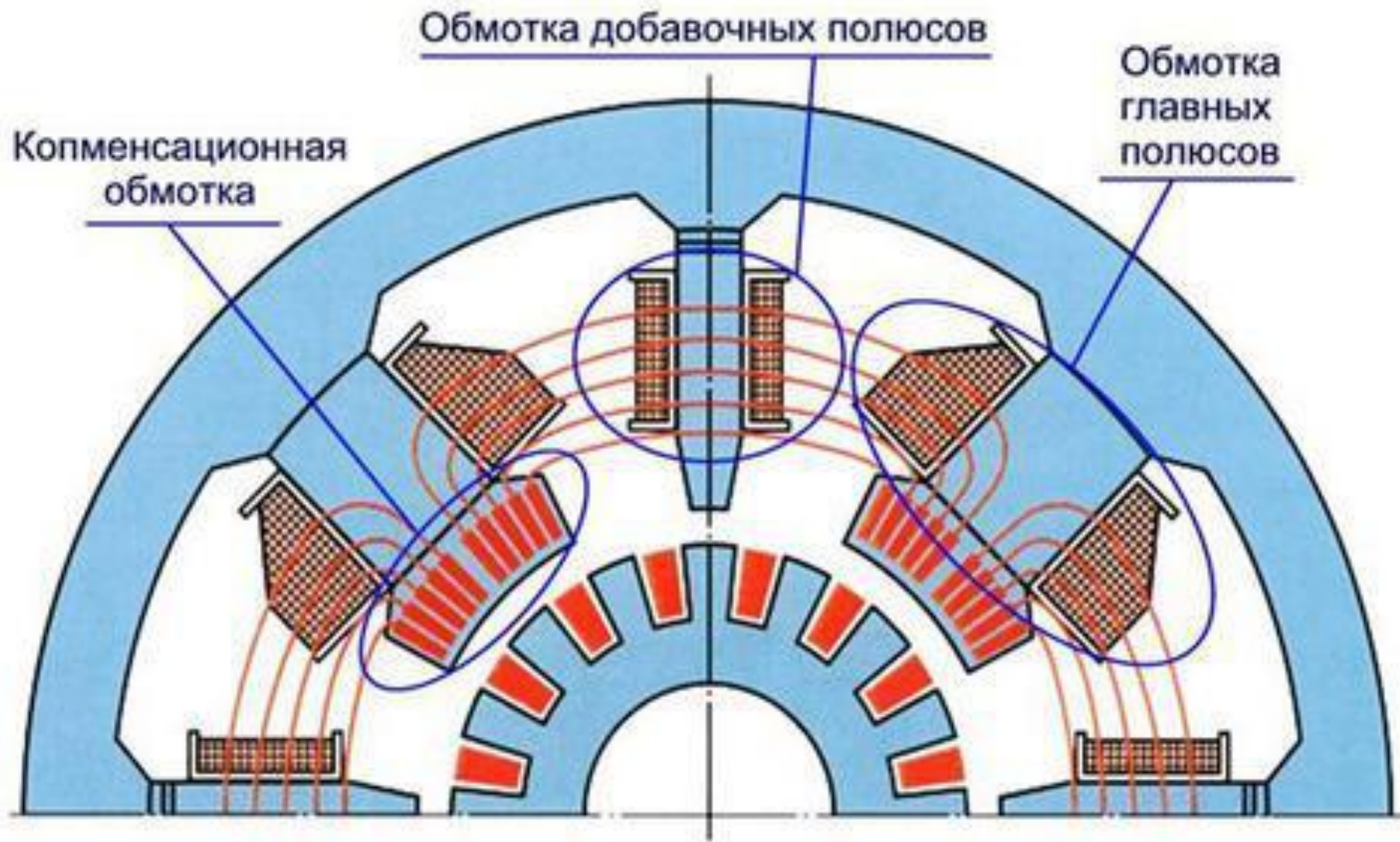




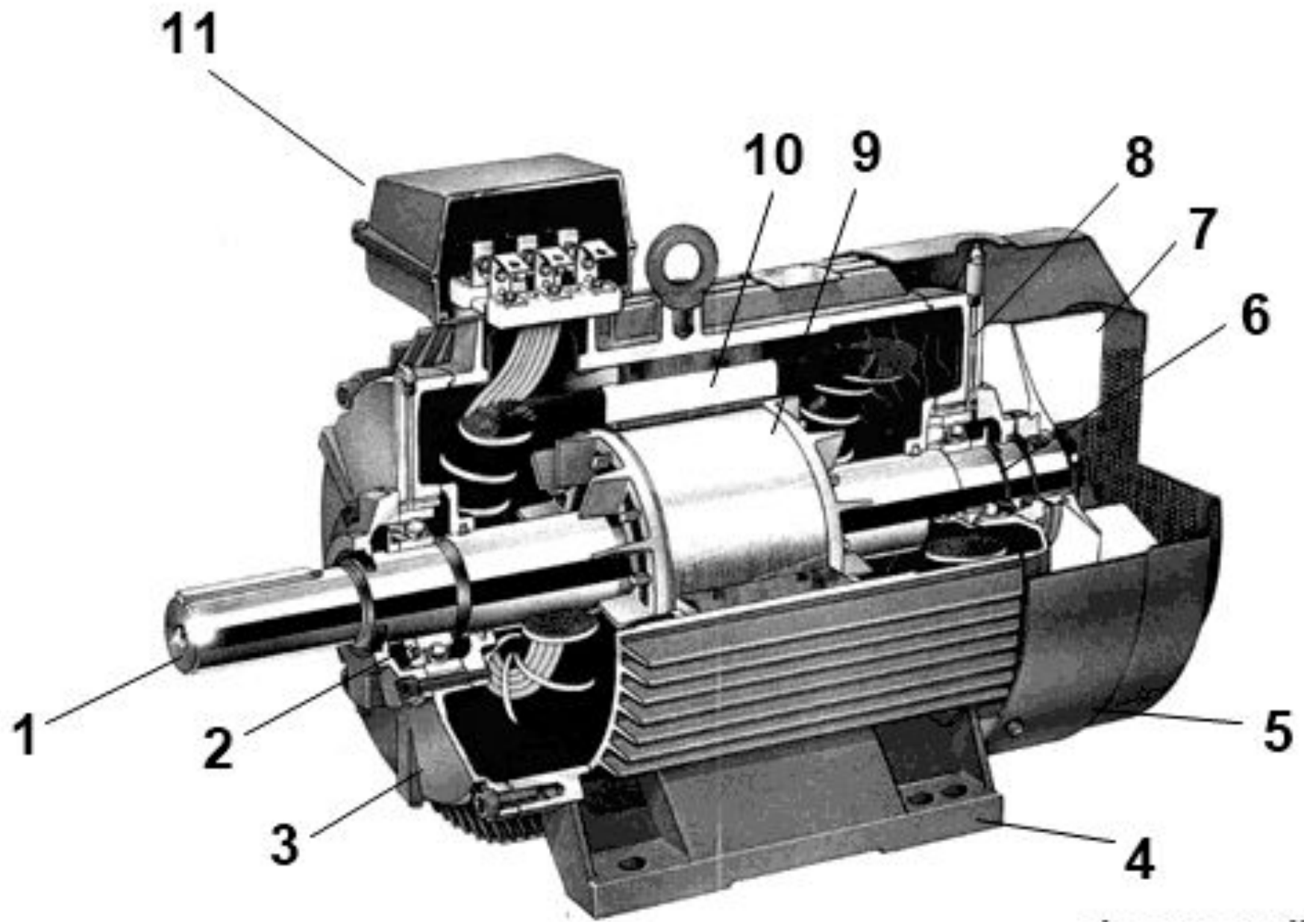


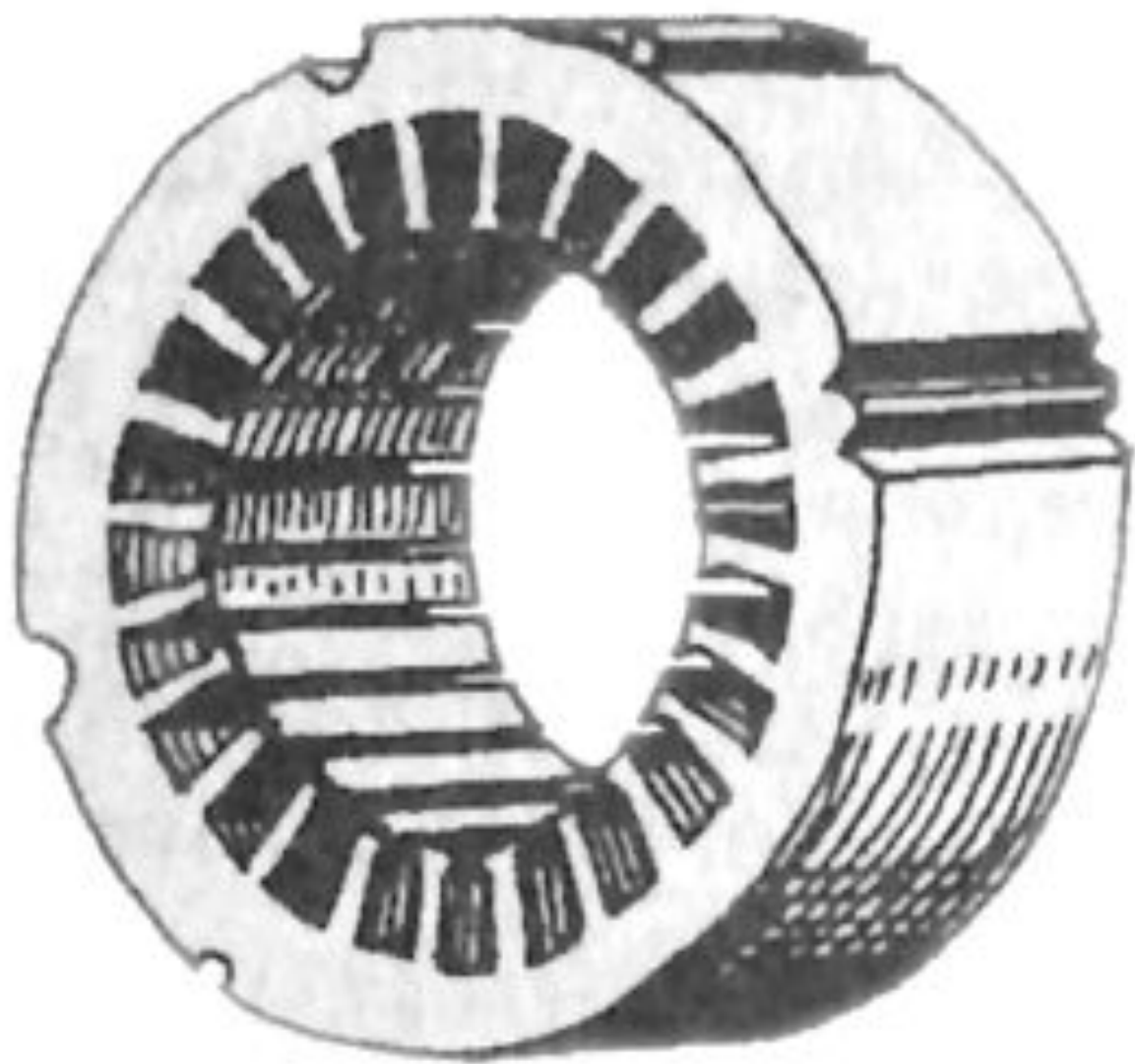




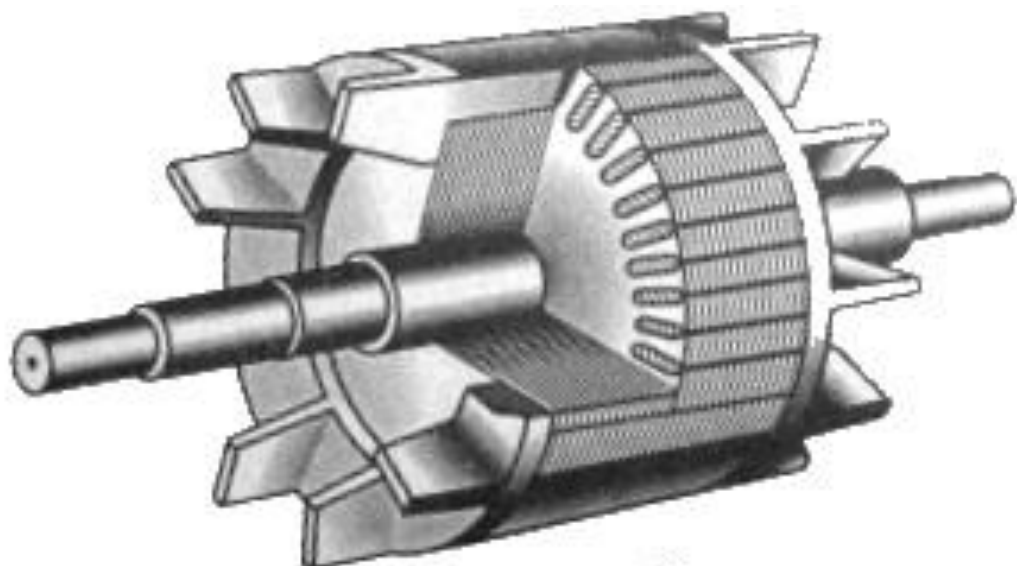








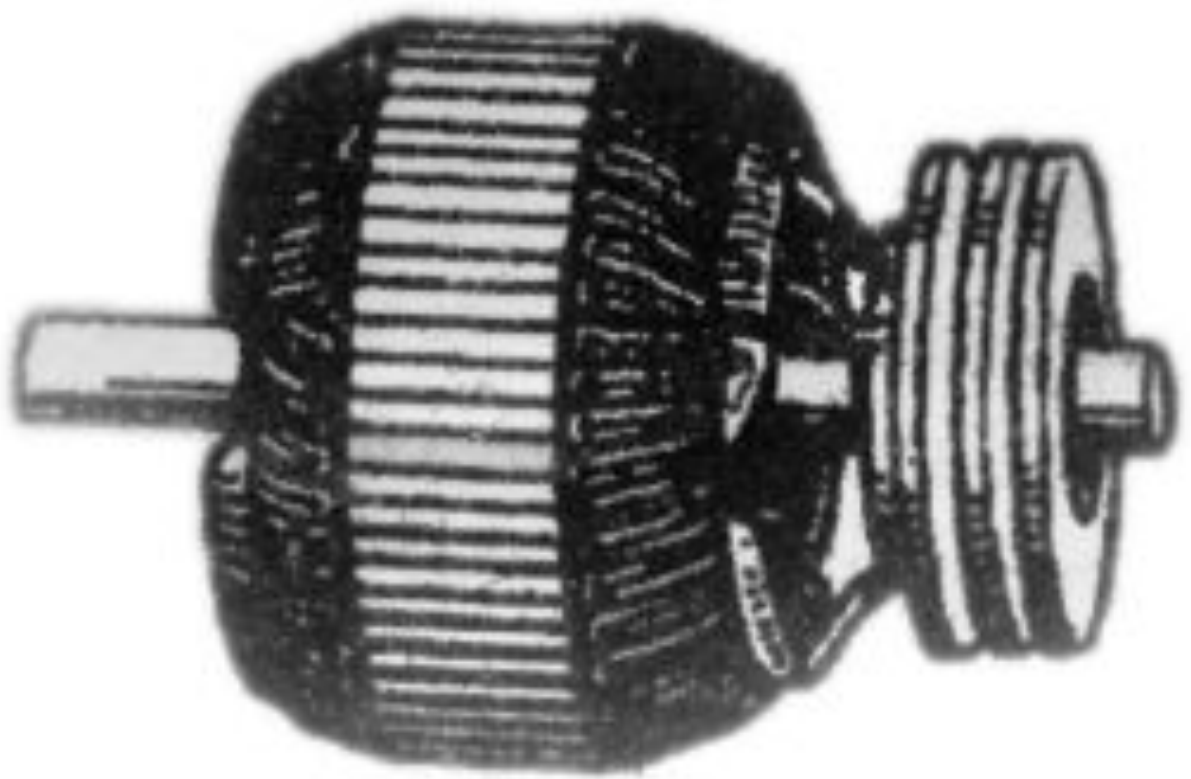


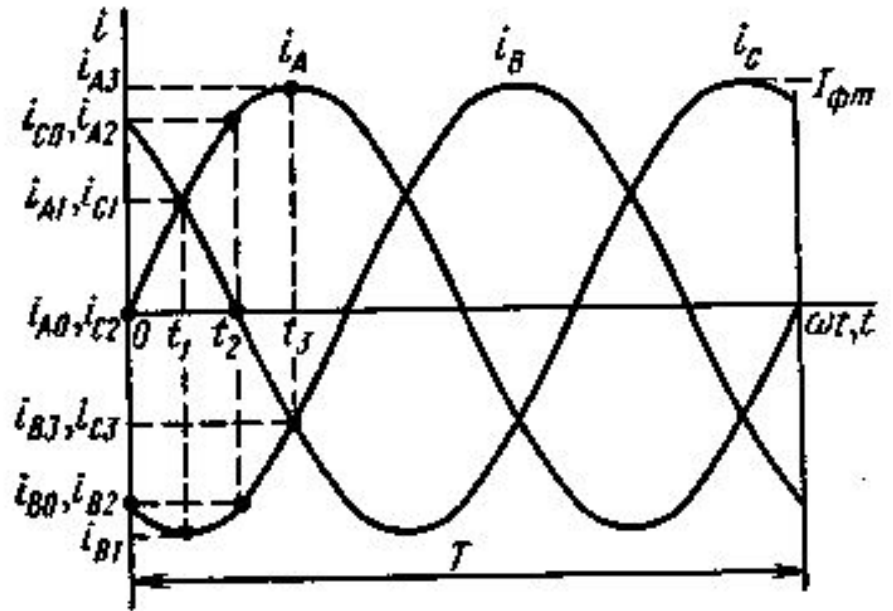
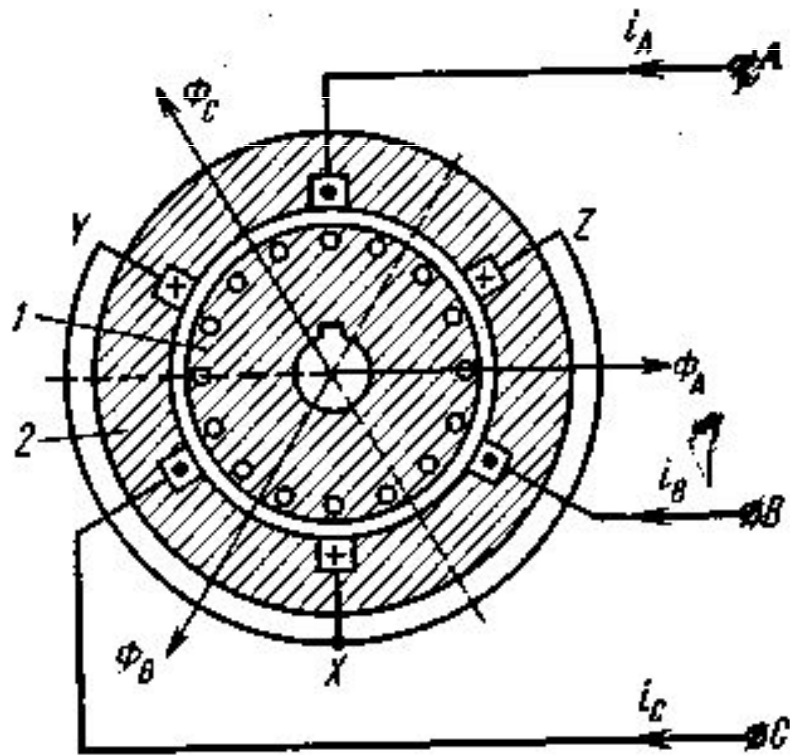


*короткозамкнутый ротор*



*беличья клетка*

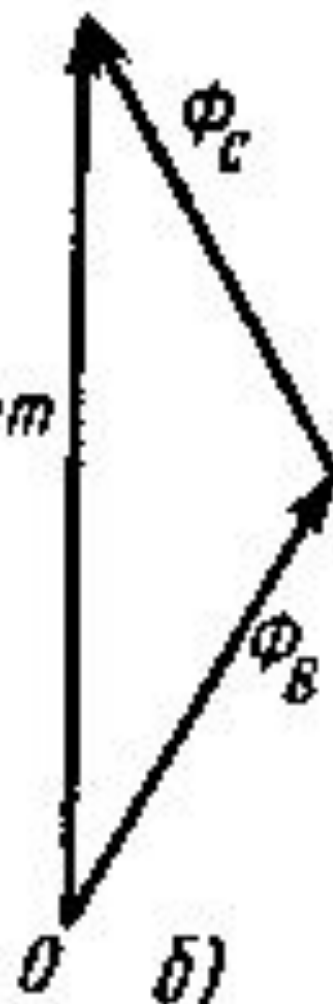
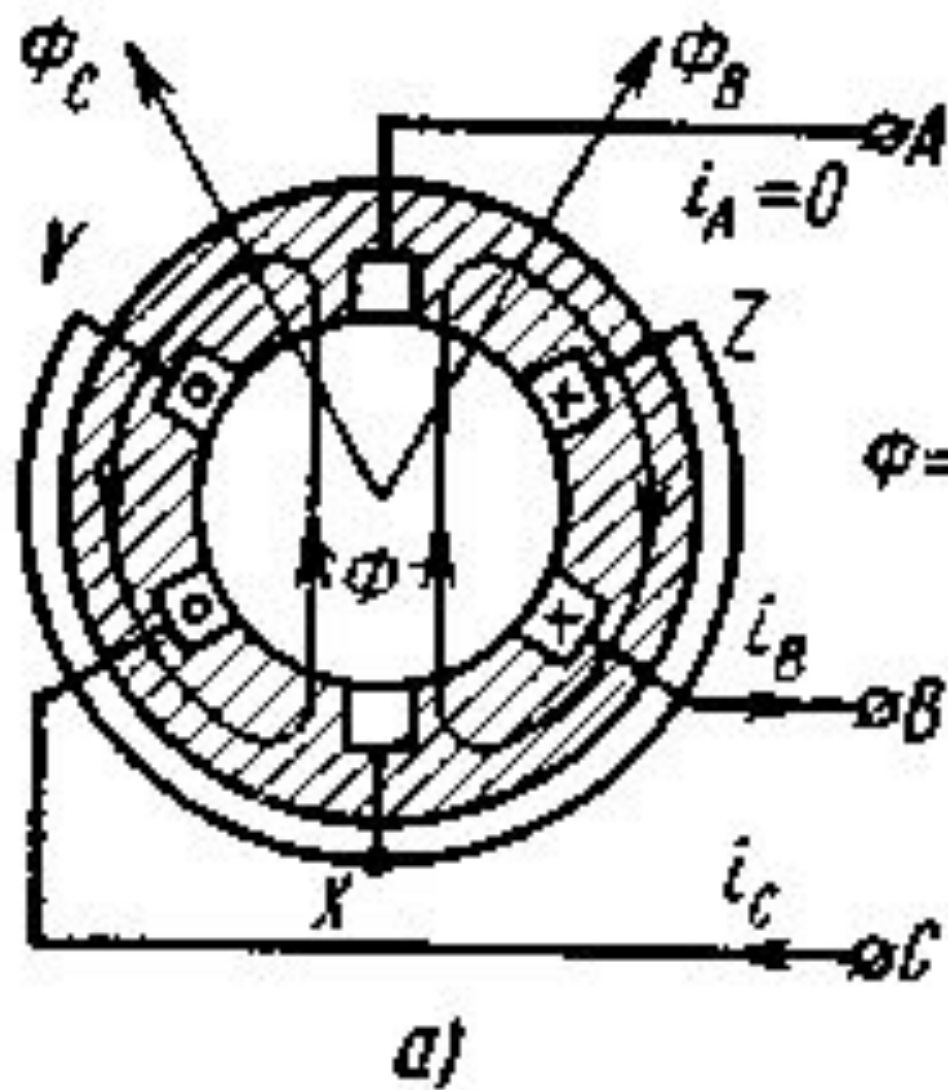


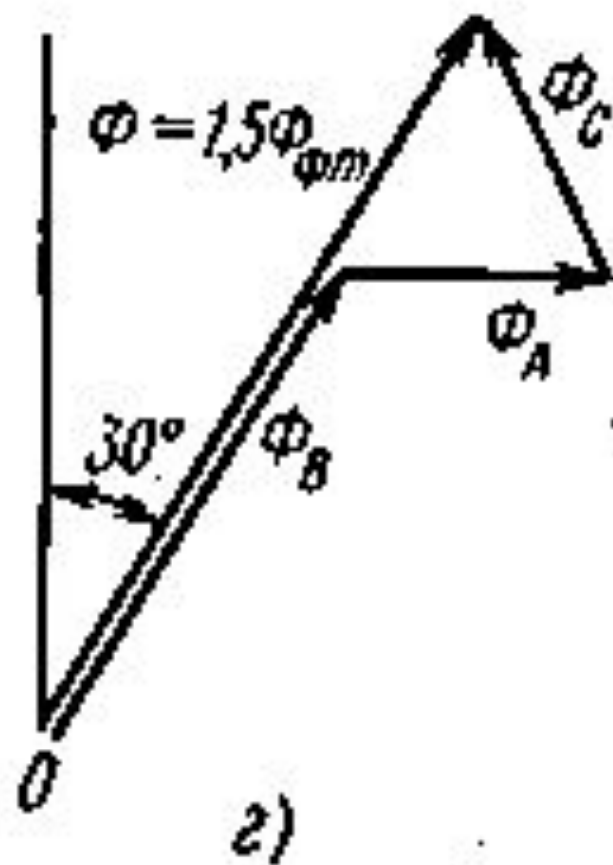
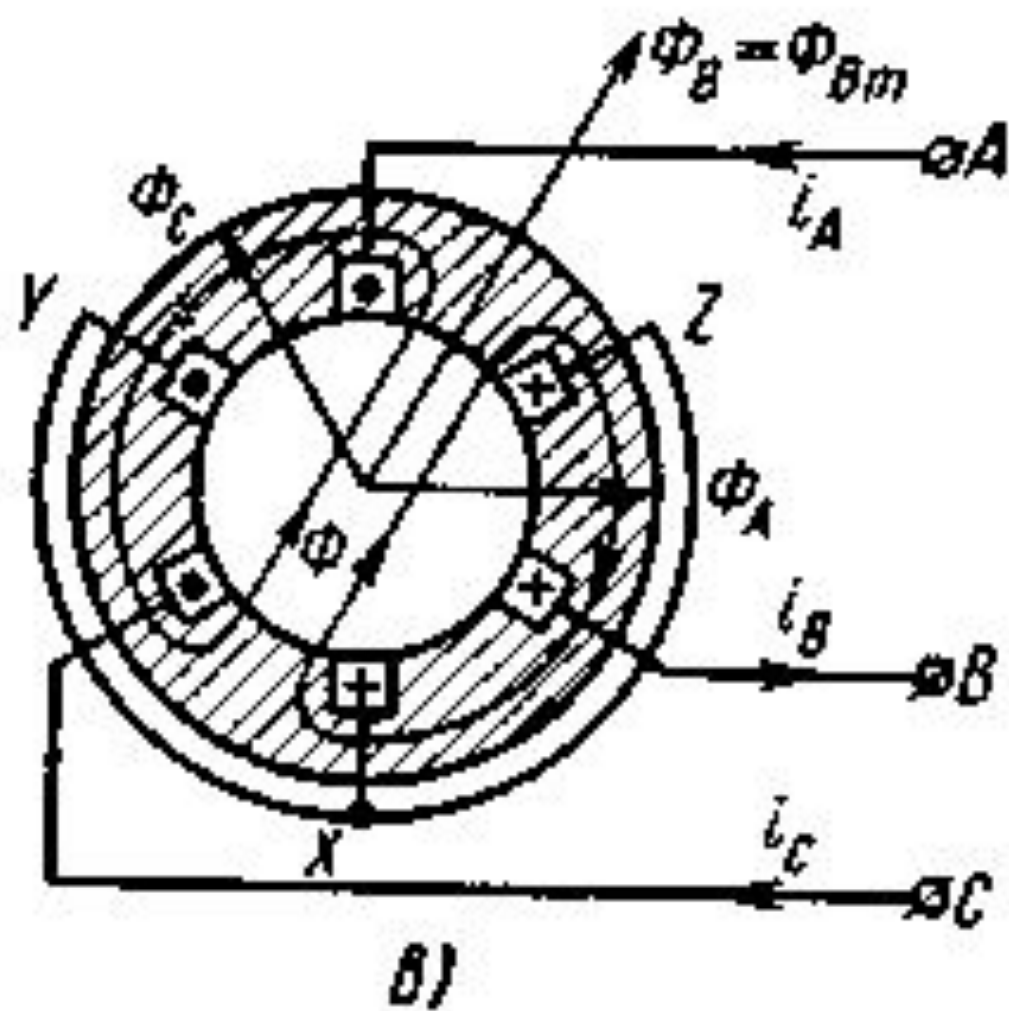


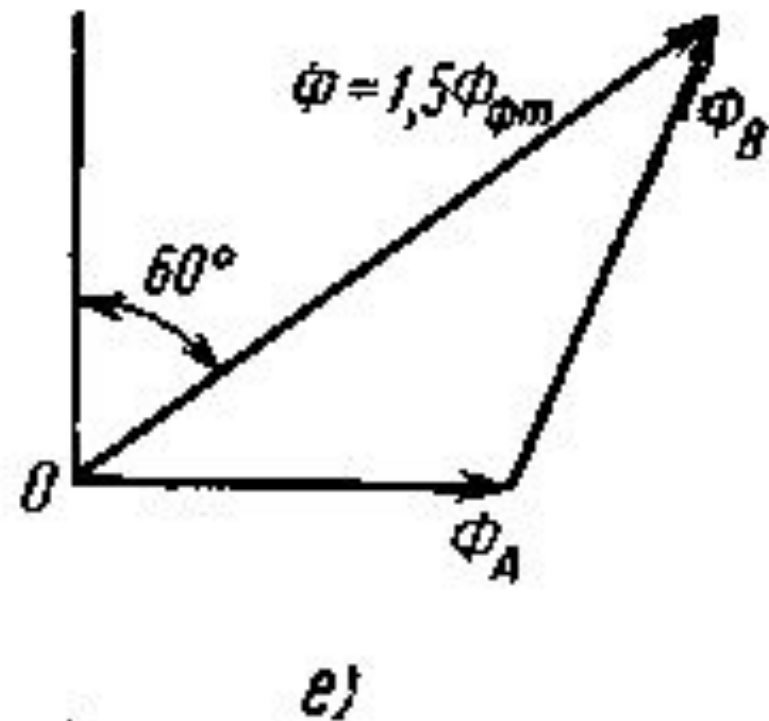
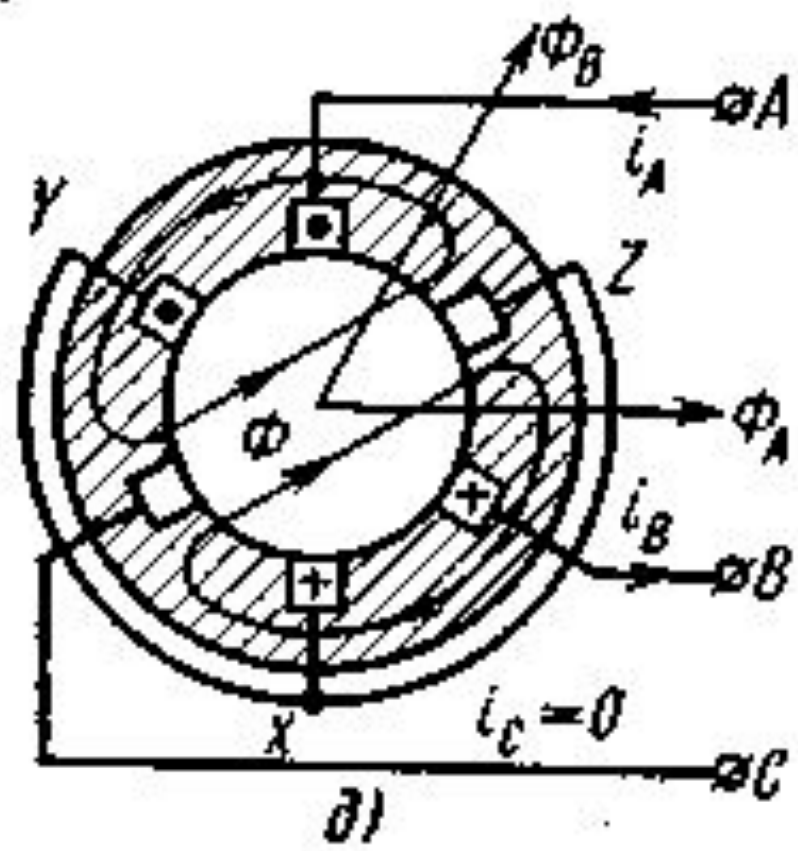
$$i_A = I_m \sin \omega t$$

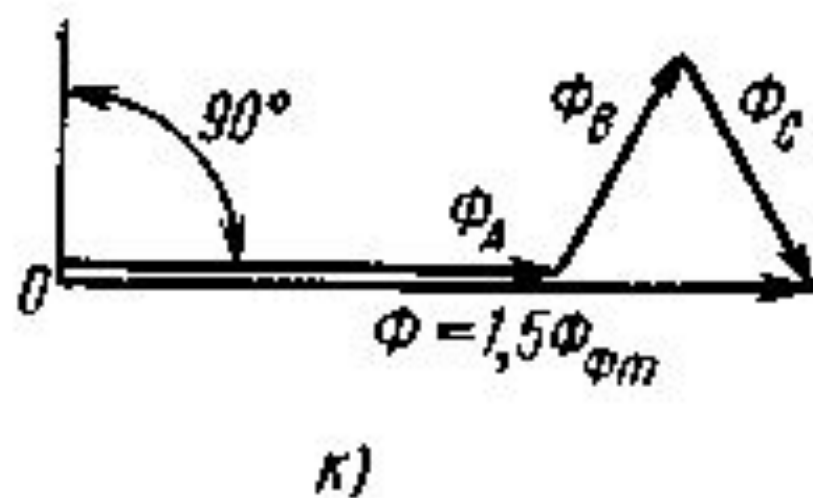
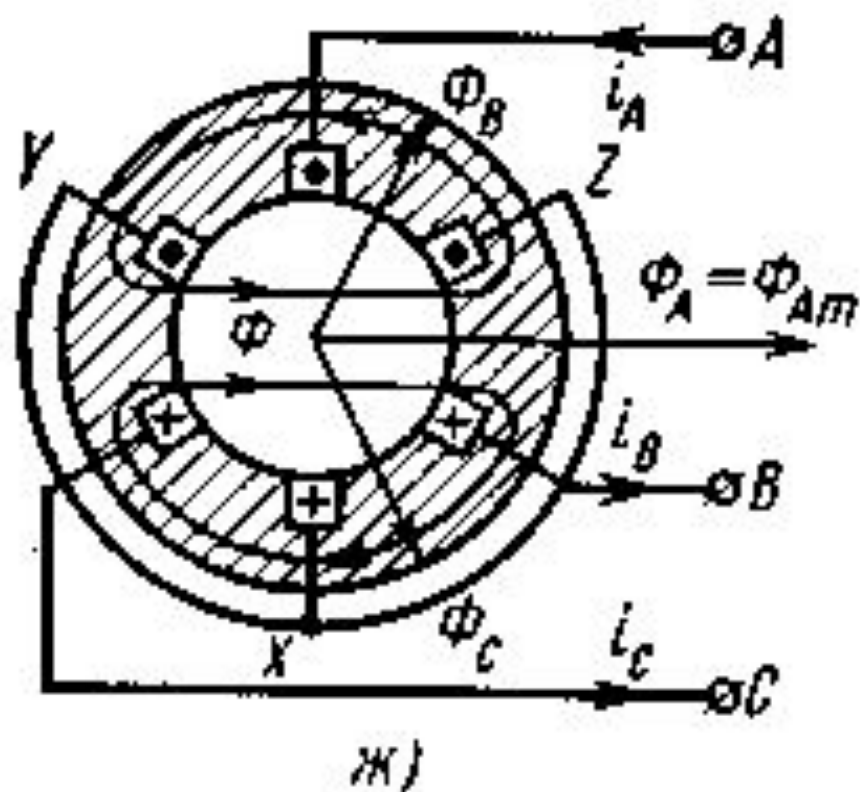
$$i_B = I_m \sin[\omega t - (2\pi / 3)]$$

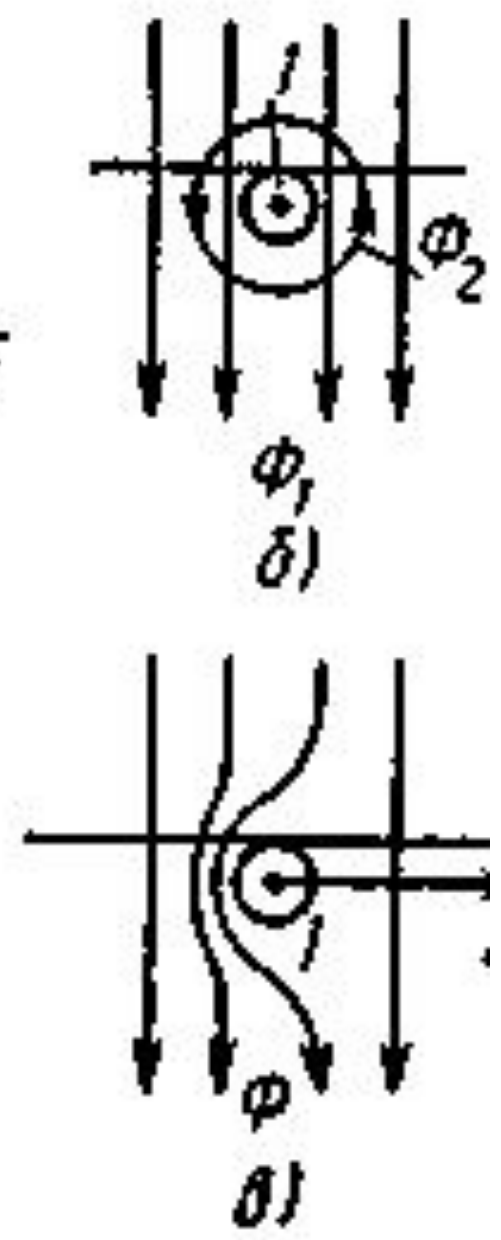
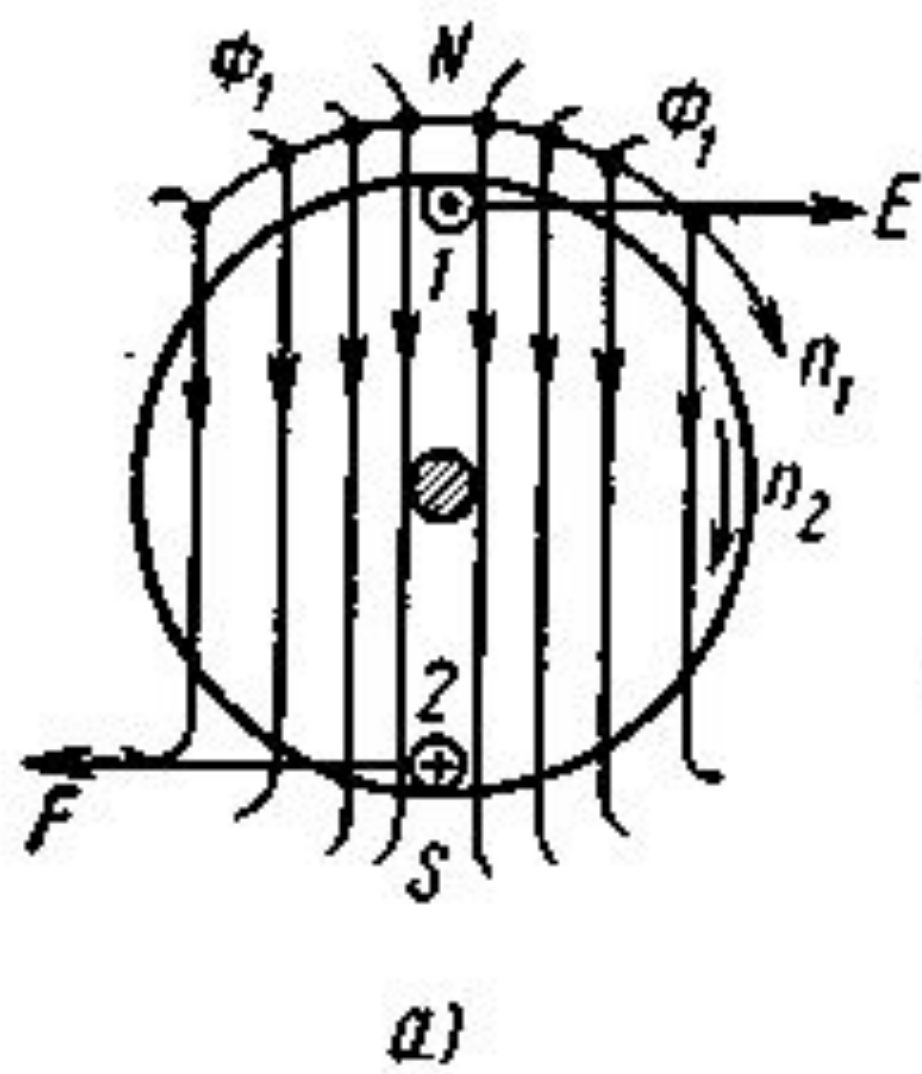
$$i_C = I_m \sin[\omega t - (4\pi / 3)]$$



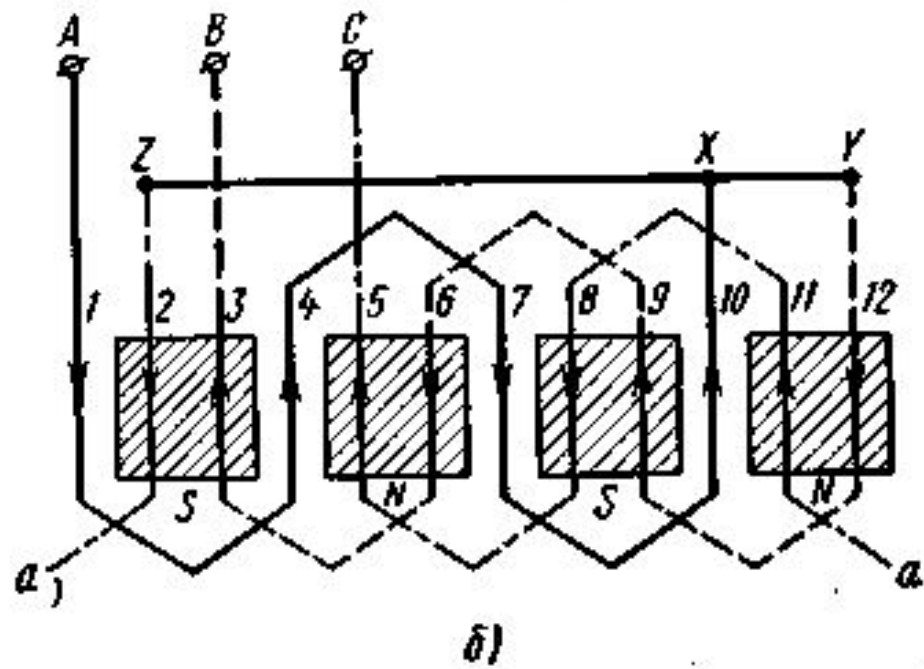
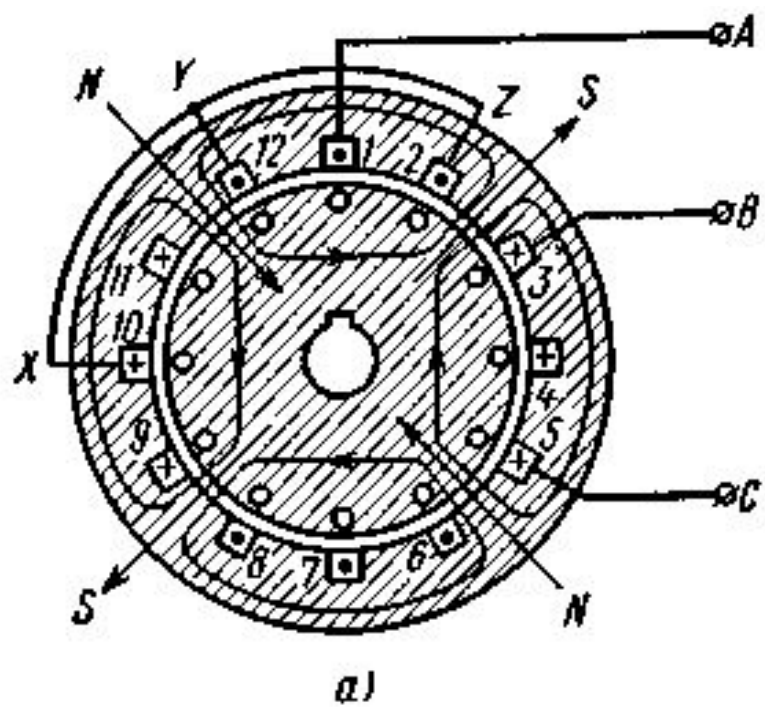


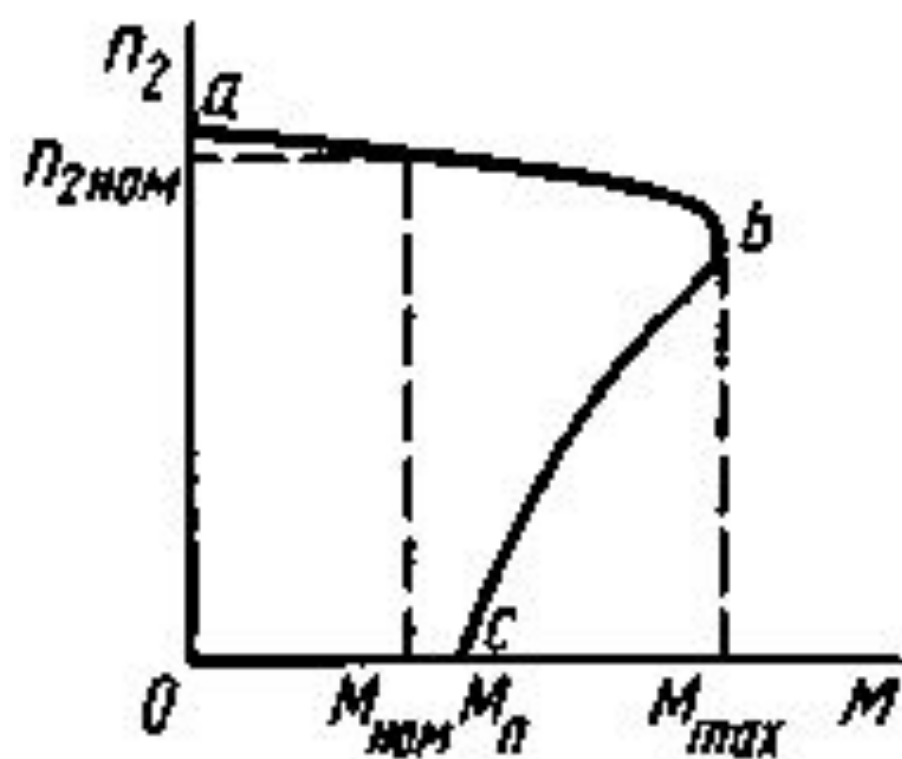




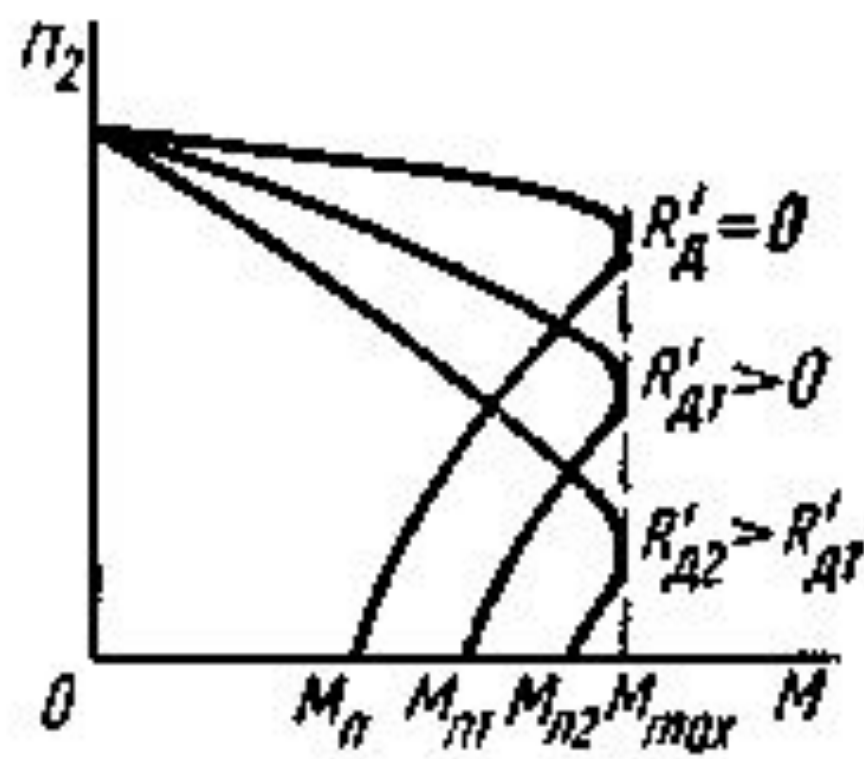








а)



б)

