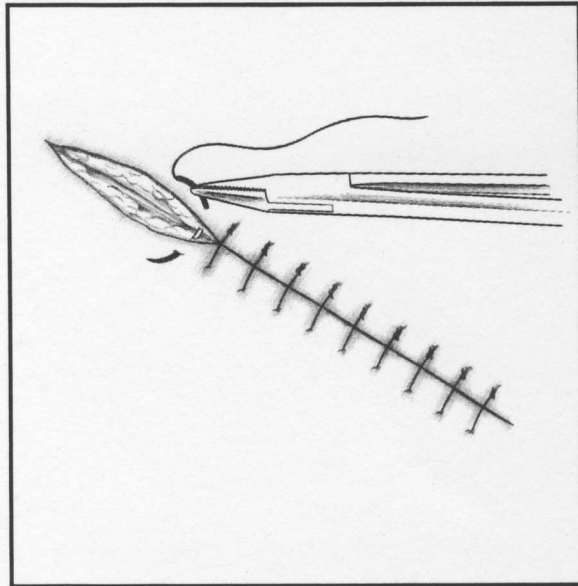


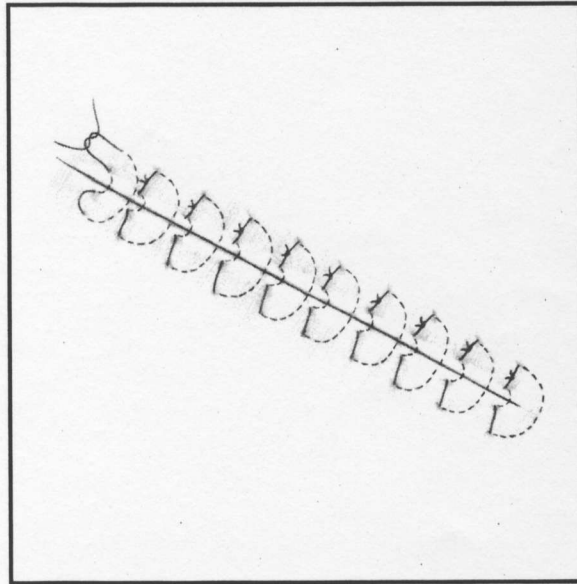
**FIG.**  
**3**

*Interrupted  
Sutures*

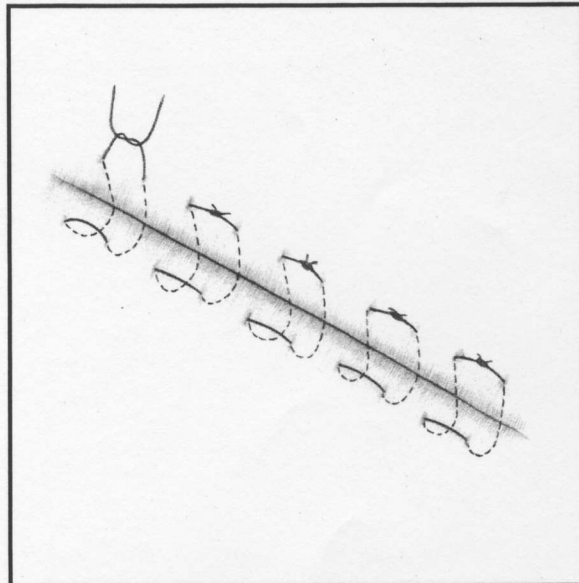
Simple interrupted



Interrupted vertical mattress



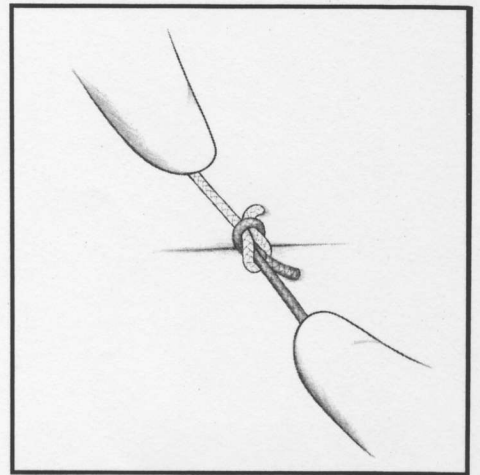
Interrupted horizontal mattress



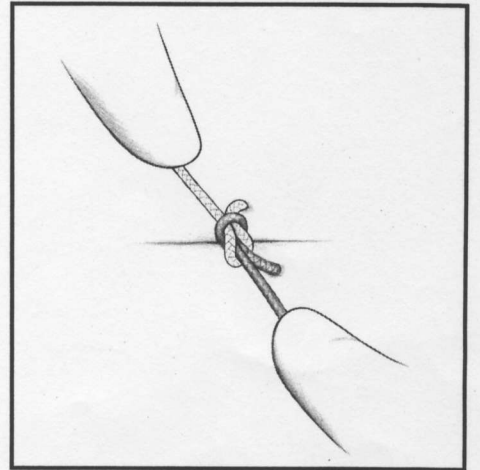
**FIG.**  
**8**

*Finished  
Suture Ties*

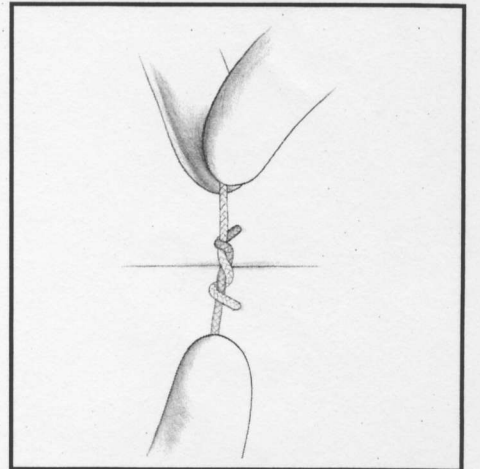
**Two-Handed  
Square Knot**



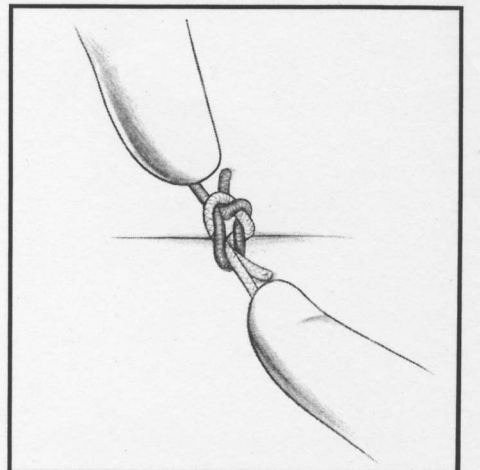
**Square Knot**



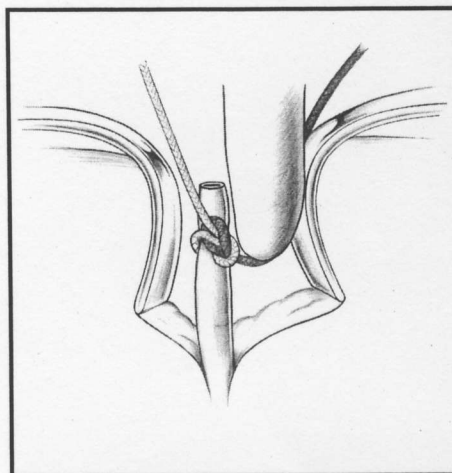
**Surgeon's Knot**



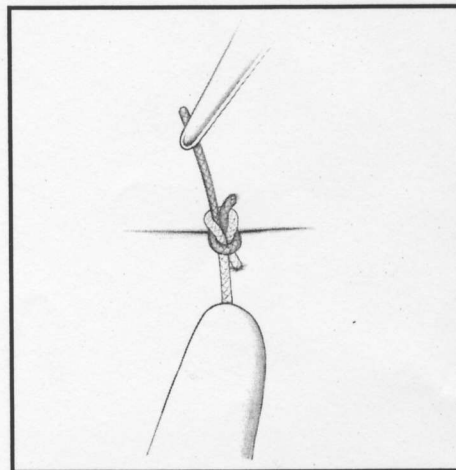
**Surgeon's Knot**



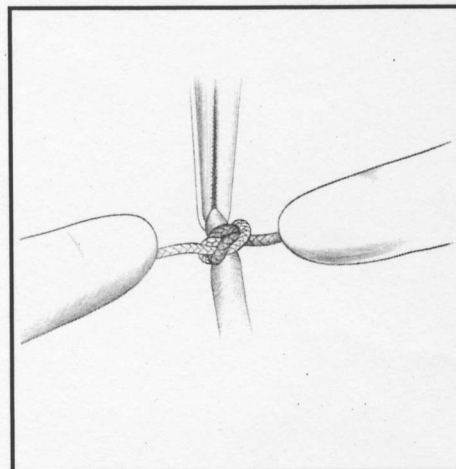
**Deep Tie**



**Instrument Tie**



**Ligation Around  
A Hemostat**

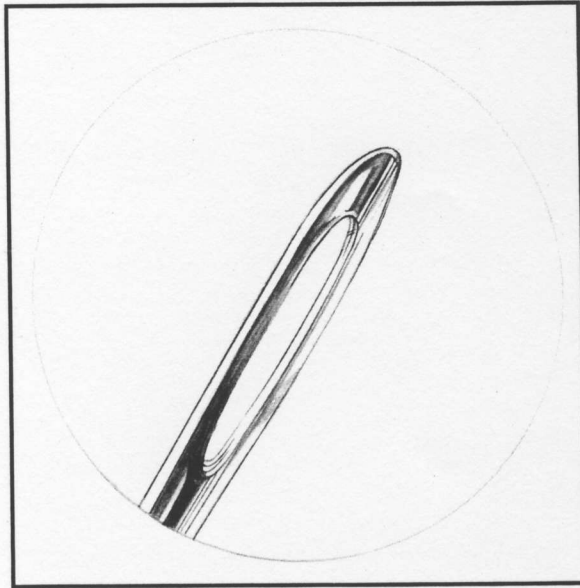


**FIG.**  
**6**

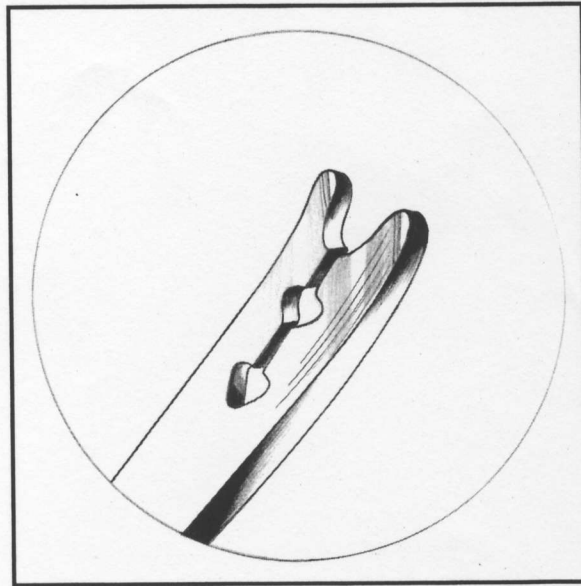
---

**3**

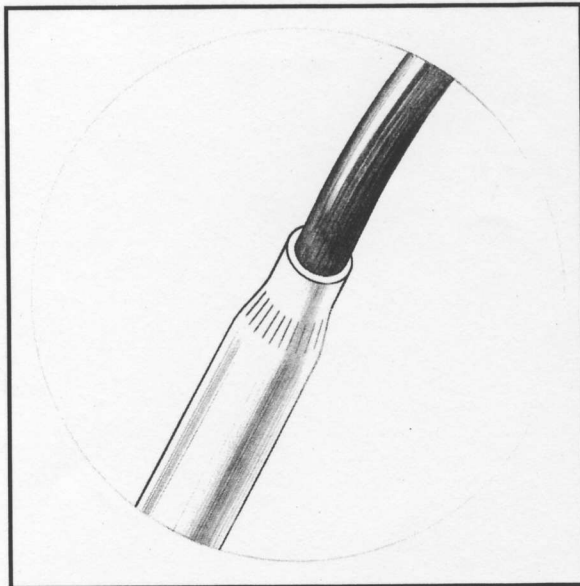
*Closed eye*




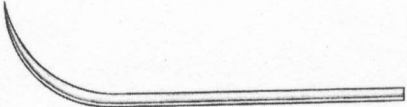
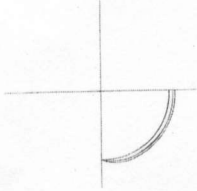
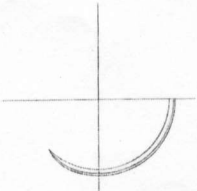
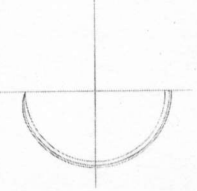
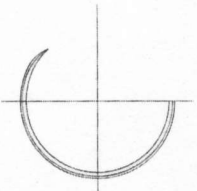
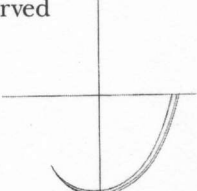
*French eye*



*Swaged*



**FIG. 10** *Needle Shape and Typical Applications*

SHAPE	APPLICATIONS	
Straight 	gastrointestinal tract nasal cavity nerve oral cavity pharynx skin tendon vessels	
Half-curved 	skin (rarely used)	
1/4 Circle 	eye (primary application) microsurgery	
3/8 Circle 	aponeurosis biliary tract dura eye fascia gastrointestinal tract muscle myocardium	nerve perichondrium periosteum peritoneum pleura tendon urogenital tract vessels
1/2 Circle 	biliary tract eye gastrointestinal tract muscle nasal cavity oral cavity pelvis peritoneum	pharynx pleura respiratory tract skin subcutaneous fat urogenital tract
5/8 Circle 	anal (hemorrhoidectomy) cardiovascular system nasal cavity oral cavity pelvis urogenital tract (primary application)	
Compound Curved 	eye (anterior segment)	