and radiates to the right gastric region to the left burning, gnawing characwithout the slightest warn- creased by the injestion ing and disappears just as of food. The location of always appearing from suddenly. These seizures the ulcer may be par- two to four hours after have no relation whatever tially determined by the meals, when the stomach to the injestion of food, and are frequently accompanied by chills, fever, and sweats. Should a stone pain. If along the lesser be occluding the common curvature, pain appears bile duct, periods of jaun- in from one-half to one dice of longer or shorter hour. If in the pre-duration will frequently pyloric region in from follow the attacks of pain. one to three hours.

period elapsing between the injestion of food and the commencement of the

as a "hunger pain," is becoming empty. It is invariably relieved by food. An ulcer in the immediate pre-pyloric region will exhibit the same symptoms as one just beyond the pylorus.

Gall-stones

Frequently accompanies the intense pain, and usually gives relief. Is of a greenish color and intensely bitter.

Gastric Ulcer Is usually a prominent Nausea and sour eructa-symptom. Occurs from tions are prominent sympone to four hours after a meal, according to the location of the lesion. These vomiting spells are usually accompanied or followed by distressing eructations of gas.

VOMITING.

Duodenal Ulcer.

tions are prominent symptoms from the first, while vomiting in the later stages is always present. Commences as a rule from two to four hours after a meal, though in some cases will appear only once a day, or perhaps only every second or third day. Gas formation is typical of ulcer either just beyond the pylorus or in the immediate pre-pyloric vicinity. Is invariably relieved by food for a period of from two to four hours.

Duodenal Ulcer.

Many cases of duodenal

ulcer suffer from sudden.

severe fainting spells, to be followed almost imme-

diately by blood in the stool (melaena). In this

condition the stools have

a tarry appearance. Micro-

scopically blood is much more frequently found in feces in duodenal than in

HEMORRHAGE.

Gastric Ulcer. Probably 60 per cent. of all cases of gastric ulcer have hematemesis, which in the acute round variety is frequently fatal. Hematemesis is, strictly speaking, not a symptom. but rather a late complication

STOMACH CONTENTS.

Gall-stones. Usually normal.

Gastric Ulcer. Usually an excess of hydrochloric acid. Blood may be found microscopically.

Duodenal Ulcer.

gastric ulcer.

As in gastric ulcer, hyperacidity is frequently marked. Blood is not usually present in stomach contents, but may be discovered in the feces.

Gall-stones. Rare-and, if present, is only accidental.