SURGICAL TOOLS OF PAST AND PRESENT

Loan Exhibit of Instruments Used in Bygone Days by Surgeons.

THOSE USED TODAY ARE SHOWN FOR CONTRAST

Remarkable Development of This Branch of Profession Forcibly Presented.

When the older members of the medical profession, the men of the one-horse chaise, who have done the greatest good among their patients with the knowledge they have acquired, attend the convention they will be treated to such a sight as they have seldom seen before, in the loan exhibition of old

surgical instruments.

This collection, which embraces all kinds of instruments used in surgery, from those of the time of the revolutionary war up to the present, has been collected by a committee of which the head is Dr. J. Collins Warren, and the collection is said to be the most complete in America. It includes not only a great many old instruments, but also a number of modern types, but these have been placed in the exhibit only to show the advance that has been made in surgery and the manufacture of surgical instruments since the earliest times.

For instance, there is an old pair of forceps, and side of it is another pair which shows some improvement over the one that was first made, and there is a series of instruments arranged acgeon may see what was and what is.

geon may see what was and what is.
For the old practitioner who does not have the privilege of coming into the hespitals often the new instruments will be an education in themselves, and he will go back to his patients with new ideas for their benefit.
The ioan exhibition will be in the smatomical building of the new school, and Dr. Townsend W. Thorndike, Dr. Charles G. Weld, Dr. Herbert L. Burrell and others who have worked to make this collection complete are finishing their labors on one of the upper floors of the old medical school on Boylston street.

Oldest Set of Instruments.

Oldest Set of Instruments.

All of the instruments are mounted on large boards, and are so placed and la-belied that they can easily be seen. The oldest set of amoutation instruments in the collection is that which was origi-nally used by Dr. John Warren, the brother of Gen. Joseph Warren, who was killed at the battle of Bunker Hill. These instruments seem like the coarse

was killed at the battle of Bunker Hill.

These instruments seem like the coarse and blundering tools of a carpenter to the modern surgeon, in comparison with the instruments used today. They are in a mahogany box with an old-fash-loved brass handle on the back, by which it was carried. The instruments are seints sockets in the institution of the plush which is now a dull snuff color.

The large knife in this set is one of the most curious instruments, as it has a blade shaped like a scimetar, while the modern knives are almost straight. This set of instruments is one of the most highly prized of all of those that are now in the Harvard medical school collection. They were handed down from Dr. John Warran to Dr. Henry J. Bigelow, who gave them to the medical school collection of the best collection of obstetrical forceps, which date back as far as 1800. They are made in somewhat the same form as those of today, but there are all kinds of odd variations. For instance, one of them is covered with leather, which was supposed to be a great advantage, although at the present time this improvement has been discarded. Some of these lastruments were loaned or these lastruments were loaned or these lastruments were loaned the country. Some are rusted, while others have as brillian a polish as when they were first used.

There is also a very complete collection of forceps for the removal of stones from the bladder, arranged according to the time when they were invented. There are the famous Bigelow touriquets for the wrist, arm and thigh.

Collection of Stethoscopes.

Collection of Stethoscopes. Another section of the exhibition which is bound to attract the greatest

bleeding, copping glasses were used to eatch the blood, and a great number of these are shown. There are many old speculums in the exhibit, and, to the credit of one of the old surgeons, it should be said that the Sims speculum devised by Tar. Sims expeculum structures are supported by the said that the sims speculum devised by Tar. Sims expeculum devised by Tar. Sims expeculum the said that the simple structure of the said that have ever been used. Or Charles A. Powers of Denver has presented the first set of Whitehead instruments that were ever used for remedying the defect of a destripulate.

Model of Dr. Morton's Inhaler.

Another of the features of the exhibit Dr. Morton in his famous demonstration of the use of ether as an anaesthetic, which was performed in the dome of the present Massachusetts General Hospital in 1848, and which revolutionized the methods of surgeons.

This model was made from the origi-nal, which is now in the possession of the Massachusetts General Hospital as one of its most treasured relies. It con-

the Massachusetts General Hospital as one of its most treasured relies. It consists of a globe of glass, slightly flattened, with two openings. One of these openings is fitted with a brass rim, into which screws the mouthplece. The other opening is first the admission of air When ether was administered, a sponsor of the west of

Changes in the Instruments.

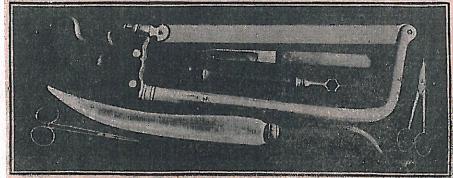
One of the great changes that has taken place in the shape and design of instruments was brought about through the discovery of antiseptic surgery by Lord Lister of the hospitals of Edinburgh, about 40 years ago. In the time when there were wooden-handled instruments, and when knives were not only models of the cutlery craft but also of the art of the steel engraver, a surgical operation without infection of the

gical operation without infection of the wound was almost unknowns. The percentage of fatal terminations of surgical operations was large indeed, and a surgical operation was the last resort.

Lord Lister made the discovery that the danger of operations could be easily avoided by great care to have all instruments used cleaned perfectly, to have everything used in the operations so not not seen our as no sale. Everything was

struments used cienned perfectly, to have everything used in the operations as pure as possible. Everything was changed on account of this discovery. The baccilus was fought hard by the surgeons. They threw away their instruments which had wooden handles, capable of concealing many a death-dealing "bug" and the struments which had wooden handles, capable of concealing many a death-dealing "bug" and the struments of the concealing many a death-dealing "bug" and the struments and other instruments was taboed, for in each crevice might be the baccilus which they feared worse than the cause of the source of the best committees of Boston in the source of th

DR. JOHN WARREN'S AMPUTATING INSTRUMENTS.



These instruments were used by Dr. Warren of Boston in the revolutionary war. This is the oldest set in Anieston and the first photograph of these instruments ever published.