A lot of people do not recognize the importance of welding. Most of them have the thought of welding as just a work for a low class workers. Since the invention and technical usage of steel to construction industry, welding is an integral part in the realization of engineering feats and marvelous man-made creations of the modern times. Yet the contribution of welding to the grandeur of infrastructures such as skyscrapers of today, bridges that span kilometers in length and many practical usable household and office equipments were hardly mentioned.

Welding is useful in the medical field such as in the hospital environment because the equipments mostly used within the vast area of the building itself must be rid of crevices wherein bacteria can proliferate. Disinfecting can be a difficult task for cleaning staff if cracks from the equipment made from steel, aluminium or stainless were not properly managed through the welding process of these equipments.

Some of the hospital equipment that re made with the technical application of welding skills are the following:

OPERATING ROOM CABINETS

A very potent aspect of health care within the hospital is the operating room cabinet itself. It can connote a life and death concerns if the cabinet itself is not well made suited to the need of the equipment that will be stored within them. Welding skills can come very handy if the welding procedure met the standard of quality that included the consideration for the weight of the equipment as well as the overall aesthetic and practical usability of the cabinet in general.
SURGICAL SCRUB SINKS

Before the actual operation, the primary tool needed by surgical doctors to disinfect themselves prior and after the surgery is the surgical scrub sinks. Made out of stainless steel and must be welded according to the height requirements of the surgeon and other hospital staff, it can be noted that welding played an important role in its usability.

TOOLS

The manufacturing of these tools can be deceiving to some but it takes a little welding skills to know that some of them underwent welding procedures, too.

MOBILE CARTS

As simple as it is, this hospital mobile cart is created through the help of welders enabling it to be functional in carrying surgical tools, medical paraphernalia and even hospital laboratory equipment.

HOSPITAL INSTRUMENT PEGBOARDS

The drying of instrument previously used in surgical operations or procedures is a must and this equipment should be present in the sense that disinfecting these instruments is a must. Pegboards are also made from stainless thus must also undergo the process of welding.

HOSPITAL STERILE PROCESSING WINDOW

There can be no denying that the sterilizing of hospital equipment need not be secondary priority. It must be given topmost concern so as to ensure the non proliferation of bacteria in the hospital.
SURGICAL SUPPLY CABINET

Another equipment that can make use of supply cabinet. The welding process it underwent as shown in the picture as well as the other equipment is seamless and very polished.

BEDS

When it comes to health care, the hospital bed itself must be an instrument of fast recovery of patients. The hospital beds are also products of well planned and well executed welding techniques.

WHEELCHAIRS

There is a unique contribution made by wheelchairs to certain patients afflicted with particular issues of non-mobility. In this connection, the welding technical artistry and practical usability it played to the creation of wheelchair is not to be disregarded.

Since stainless steel has more excellent properties than aluminium and plain construction steel, the weldability characteristic are more consistent that the two mentioned above. It’s malleability and its uniqueness when it comes to be shaped in required shapes have been the selling point why stainless steel is the preferred metal material for hospital and laboratory use.

Given these conditions, the future is bright for Senior Highschool SMAW students as the skills of welding that they are honing at present in the classrooms can be a stepping stone for them not only in the engineering and architectural fields but also in the medical field. The possibilities are endless and a very low kind job to some people can be elevated into something that is also productive and at the same time can offer a wide variety of opportunities for SMAW students.

They can be hired in companies specializing in the supplying of medical equipment to laboratories, hospital and health care facilities, in doing so, SMAW students would be
professionals that can be at the backbone of providing health care facilities and equipment that in return, can uplift the usual notion of people looking down at individuals who are working and trying to improve their craft in the welding industry.

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