To all whom it may concern:

Be it known that I, George W. Miller, a citizen of the United States, residing at Sharpsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Snow Shovels and Scrapers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to improvements in snow shovels and scrapers.

The object of the present invention is to improve the construction of snow shovels and scrapers and to provide a simple, practical and inexpensive device adapted to enable snow and ice to be readily removed and capable also of being changed to form either a scraper, or a snow shovel whereby snow may be scooped into piles and shoveled from sidewalks and other surfaces after being arranged in piles, thereby enabling such surfaces to be cleaned with greater rapidity than is possible with an ordinary snow shovel.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended, it being understood that various changes in the form, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing Figure 1 is a plan view of a snow shovel and scraper constructed in accordance with this invention, Fig. 2 is a side elevation of the same, Fig. 3 is a central longitudinal sectional view, Fig. 4 is a detail sectional view illustrating the construction of the cap at the outer end of the handle. Like numerals of reference designate corresponding parts in the several figures of the drawing.

In the accompanying drawing in which is illustrated the preferred embodiment of the invention, the combined snow shovel and scraper comprises in its construction a straight rectangular blade 1, a block 2 and a handle 3 adapted to be fitted in either a longitudinal socket 4 or a lateral socket 5. The blade which is constructed of steel or other suitable material is provided with a beveled outer transverse edge 6 and the block 2 which is preferably constructed of wood is tapered throughout the major portion of its length to provide opposite side faces arranged at an acute angle to each other, the inner side face being fitted against the inner portion of the blade 1 at the center of the same. The block is also provided at its inner side with a face 7 arranged in parallelism with the opposite side face of the face of the block but the block with respect to the face 7 may be changed if desired. The block 2 is secured to the blade 1 by rivets 8 or other suitable fastening devices passed through the inner or rear portion 9 of an angle brace 10 which has a front or outer portion 11 extending in advance of the block and fitted against the blade. The front portion 11 of the angle brace is beveled at its front end 12 and it is secured to the blade by short rivets 13. The block which has its inner or rear portion arranged at an angle to the blade 1 has its sockets 4 and 5 reinforced with threaded metallic thimbles 14 and 15 adapted to receive the handle 3 which has a threaded metallic cap 16. The socket 4 extends longitudinally of the inner portion of the block and is arranged at an obtuse angle to the plane of the blade. The other socket 5 is arranged at an acute angle to the socket 4 and it extends inwardly from the upper side of the block when the parts are arranged to form a shovel as illustrated in Figs. 1 and 2 and it permits the handle to be arranged at nearly right angles to the blade for forming a scraper as illustrated in Fig. 3 of the drawing. The blade is reversed in changing the device to form a shovel or scraper.

What is claimed is:

A combined shovel and scraper including a blade, a block having a tapered front portion and provided with a longitudinal and laterally disposed socket, the laterally disposed socket extending from the upper or outer face of the block and the other face
of the block being fitted against the blade, an angle brace having angularly disposed portions fitted against the blade and the block, fastening devices securing the angle brace and the block to the blade and a removable handle adapted to be fitted in either socket of the block.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. MILLER.

Witnesses:
F. W. SCHRAHDIT,
R. E. CAMPBELL.