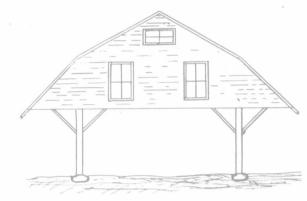
ten feet wide for wagons, and as it is ten feet wood. It does not take a skilled mechanic to I can honestly state, after eighteen years' exhigh there is no difficulty in driving under to build a shed like this; it is lightning-proof and perience in feeding silage, and with different unhitch. Buggies may be sheltered on the will last indefinitely. Galvanized iron can be kinds of silos, the one I recently erected is proving shady side, and if it is feared that snow would safely put on with four-foot spans between strips the most satisfactory. drift into them one or two sides of the shed may and the standard eight-foot lengths can be workbe boarded up.

of three pieces of 2 x 10, bridge truss of 6 x 6, the 6 x 6 inch posts are used. rafters 2 x 4 or 2 x 6, according to whether they The cost of this building without labor would built with steel curbs. The difference between are ever to hold much weight.

in the inner parts leaves the overhanging roof iron, so it does not take as strong a roof as all reached perfection in silo construction. Yet, ed in without any waste whatever. Have the for my past experience with a "tub" and other The workroom above will hold a lot of smaller walls 6 feet high at the back and 10 feet at the kinds of wooden silos taught me that the freezing tools, and is a good place to make repairs, mend front. Then in cutting the bevel on the sides, was a great disadvantage. I do not know harness or store seed grain. By putting the truss the pieces that are less than 8 feet long will fill whether the freezing of the silage affects its feedabove it with an inch truss-rod coming down to in, and what is more so there will be no waste in ing value or not. But I do know that it makes the cross beam there is a clear space of thirty cutting. I would recommend sliding doors of it very difficult to take out, and, if fed in any feet in the shed below. The whole thing is built the same material 10 feet high at the front, quantity in a frozen condition, is decidedly in joint construction, posts 2 x 8, in two pieces, Where it is convenient to get posts from the bush injurious. built up solid below the cross beam, this made this shed would be much cheaper than where

be less than \$100. As for location, I think that this and other concrete silos is that the walls



FIGS. IV AND V-A SHED BUILT "UMBRELLA STYLE" PROVIDING TOOL-ROOM ABOVE

The posts rest on stone or cement pillars. No for this building is as follows: and convenient.

Space for machinery

Tools, seed grain

drift through in winter.

No detailed estimate of the cost of any of these structures can be given. The cost will vary with the price of lumber in one's locality and the way he sets about building his shed. A very substantial shed, after the style of Fig. 1, with a framework of posts, sided with rough lumber and interest in silo construction, in order that they battened and roofed shanty style, large enough may provide corn silage for winter feeding of stock.

enough and sloping enough to take a vehicle venient, as you could hitch onto or unhitch with- hoops fitted closely. The ends of the wire were up into the workroom for painting or repairs. out unnecessary driving. The bill of materials then fastened, holding the hoop in place. These

floor is needed. In some cases a room or two 3 pieces 6 x 6, 12 feet long for posts; 3 pieces Hemlock sheeting was then placed around the could be finished off in the upper story for an 6 x 6, 10 feet long for posts; 3 pieces 6 x 6 8 feet silo and tacked to these hoops, thus leaving extra hand to use now and then. This is a rather long for posts; 8 pieces 2 x 8, twelve feet long for a space of one inch all around the silo. An elm expensive kind of implement shed but substantial sills; 40 pieces 2 x 4, 12 feet long for strips; 12 hoop, constructed in the same manner as those pieces galvanized iron 6 feet long for back; 24 already described, was placed around almost even Fig. 6 shows a small rough lumber shed made pieces galvanized iron 8 feet long for sides; 12 with the top of the eleven-inch wall. On this of posts set in the ground, the siding nailed on pieces galvanized iron 10 feet long for front; the outer curb was lowered. On tightening the horizontally direct to the posts. It is better 24 pieces of galvanized iron 8 feet long for roof; curb, we found that, as the lumber was not all than nothing at all and cheap, but the snow will 12 pieces galvanized iron 10 feet long for roof; the same thickness, and the curbs not exactly 4 bags cement.

OLIVER BROWN.

Cement Silo With Hollow Wall

Farmers of the Canadian West are evincing an been one inch thicker.



FIG. VI-THIS SHED IS BUILT OF ROUGH LUMBER, NAILED ON POSTS, AND CAN BE PUT UP AT VERY SMALL COST

to accommodate all the machinery on an average- Opinions differ as to the most satisfactory ma- and I count on feeding out more than four feet for even less.

BUILDER.

Galvanized Iron Implement Shed

EDITOR FARMER'S ADVOCATE:

it of galvanized iron on a wood frame and in two Struthers' letter: in cement. The snow will not lie on galvanized thing even better, for I do not consider we have used in plastering.

sized farm can be built for a hundred dollars, terial for construction. Cement, however, is very of silage before the cold weather sets in. I In some localities sheds of this kind could be built popular. Some have used hollow cement blocks had no trouble with frost during cold weather and report satisfactory results. Others have of last winter. The following is estimate of cost: adopted other means of construction with this valuable building material. W. B. Struthers, of Perth County, writing to London Farmer's Advocate, outlined how his silo was built and also gave details as to cost. Perhaps those who The implement shed on the average farm purpose building in the West can adopt a plan should be not less than 24 feet square to hold from his suggestions that will prove satisfactory all the implements, and I recommend building in this part of the Dominion. Following is Mr.

compartments, one 10 by 24 feet and the other 14 As I built a silo during the summer of last by 24. As it takes 14 feet for an eight-foot binder year, different from any yet described, I thought to back into I would build a shanty roof, as it takes it might be of interest, and probably of value, less material and such a roof can be made almost to some of your readers. While they may flat. The frame may be 6 by 6 inch posts set not build one like mine, yet it may suggest some-

To describe my silo briefly, it is simply a round concrete silo, 14 feet in diameter and 35 feet high, A bridge stairway may be arranged wide close to the horse stable would be the most con- are not entirely solid. They are partly hollow. having a dead-air space. It was built in the following manner: The base is sixteen inches thick, and two and one-half feet high. The inside of base is flush with the rest of silo, and forming part of silo. The curbs were then taken up, and the outer ones placed in five inches. This 11-inch wall was continued five feet. This wall, with base, making 7½ feet, is under ground, where no frost protection is required, and is solid. When the curbs were taken up, the outside one was again taken in five inches, building a wall of six inches, which was continued fifteen feet.

Elm strips, 3 x 1 inch, sawed nearly through every four inches, were placed around this wall, and slightly tacked with nails, until a wire was placed on outside of strips, when a handy jack wire stretcher tightened the wire until the elm hoops were placed every two and a half feet apart. true, we had not an even space of three inches, as was desired. The curbs, however, were tightened a little away from the eleven-inch wall in places, to give the desired thickness. It would have been better if the solid eleven-inch wall had

This three-inch wall of concrete was continued until it was even with the six-inch wall. They were then joined together, making one solid

wall, tapering to about seven inches at the top. The lumber, previous to being placed in position, was well soaked with water, and allowed to swell all that it would. It was placed no higher around silo than we expected we would be able to build concrete wall during that day. Strands of No. 9 soft wire were placed in outer three-inch wall about a foot apart. The gravel for the same passed through a screen previous to being used. Wire was also used in the other wall of silo. Filed stones were used in building the lower $7\frac{1}{2}$ -foot wall, and the top twelve and one-half foot wall. I did not consider it necessary to continue the air space any higher, as a silo of this height will easily settle eight feet if filled,

To contractor, for building	95.00
Wire for reinforcing	4.50
42 barrels of cement, at \$1.35	56.70
700 feet hemlock, at \$15 per M	10.50
90 feet elm, at \$20 per M	1.80
50 yards gravel, at 25c. per yard	12.50
Hauling gravel	20.00
Board 4 men 10 days	2.00

The 42 barrels of cement do not include amount