Blade Raiser

Description
A two-wheel dolly is modified with a top plate and threaded hand tighteners.

Benefit
This innovation makes installing and removing plow and grader blades a one-person job. Securely attached to the dolly, the blade can be moved with less risk of back, foot or hand injuries. This also frees the floor jack for other jobs in the shop.

Parts and Labor
See shop drawings on page 2 for complete parts list.

Total: $65
Labor: 30 minutes

For More Information
Contact Steve Fisher at (573) 484-3541. Additional photos can be seen by accessing the Innovations Challenge homepage at http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm.
1. CENTER AND MELT PART E INTO PART D AS SHOWN
2. CUT THE 12" LIFT (SIDE 1) INTO 9.5" PIECES
3. MELT PARTS B AND C INTO THE LIFT SIDE OF THE DOLLY 4" IN THE SURFACE FOR THE ATTACHMENT OF PARTS B AND C.
4. GRIND THE LIFT SIDE OF THE DOLLY FROM 2" TO 4" TO PREPARE
5. PULL THE HOLES AT THE TOP.
6. PULL THE END. HOLES AS SHOWN IN FIGURE A
7. BOND TOGETHER PARTS B AND C AS SHOWN IN FIGURE A.

MATERIALS:
- E - 1/2" ANGEL X 1/4" ANGEL X 2
- C - 1/4" ANGEL X 1/4" ANGEL
- D - 1/2" ANGEL X 1/4" ANGEL
- E - 1/2" ANGEL X 1/4" ANGEL
- D - 1/2" ANGEL X 1/4" ANGEL

FIGURE A
Part B
Part C
Part D
Part E
Part F
Part A
2/5/64" HOLE
Part A