

# Calf dehorning crate

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### Aim of the Project

The Aim of the project is to design, build and test a calf dehorning crate which will hold a calf safe and secure not allowing it to move while the process happening

### Background

The reason I choose to make this is because our old crate at home is too old and small for our suckler calves it was made for a smaller dairy calf when we used to milk .

This picture below is what I based mine of but changing some of the features to such as placing the same direction as the frame and making the middle frame smaller that calves can get through with bigger legs



### Starting off



Figure 1: frame made

This is the frame of of the main crate this is made out 30mm by 30mm box

The door is mainly made of 1 inch box and 26mm pipe with a small length of 50x20mm box

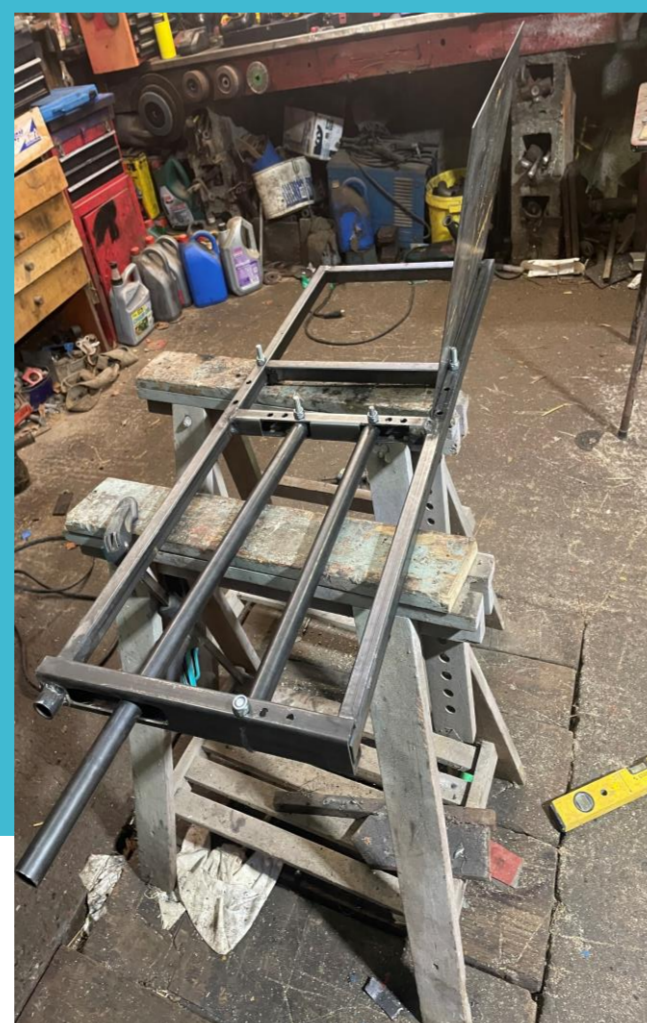


Photo of: front door /head lock

### Work to date

This is how my calve crate I have the door on and locking

Side panels and checker plate floor in  
Belly pan folded and put in



Photo of: dehorning crate

## material list

- 30mm by 30mm box
- 1inch box
- 33mm pipe
- 26mm pipe
- 3mm checker plate
- 2mm sheet
- two wheels
- M10x50 bolts
- M10nuts and washers

### Conclusion



Figure 3: picture of crate I based it off

If I were to do it again, I would make the box a little bigger in length and width to maximize the ability to get an extra big calve into it, but overall, it will be strong enough to hold calves while being to able access more places because of the wheels placed along the body of it being more practical. This project will increase productivity and finical effective getting the job done faster and having less people help you while dehorning calves!