

FOUNDRY TO FINISH

THE MAKING OF A BRONZE SCULPTURE



1. Building the iron armature.



2. Modeling the clay core.



3. Modeling the clay core over the armature.



4. Modeling the wax over the clay core.



5. Modeling the wax over the clay core.



6. Completed wax model.





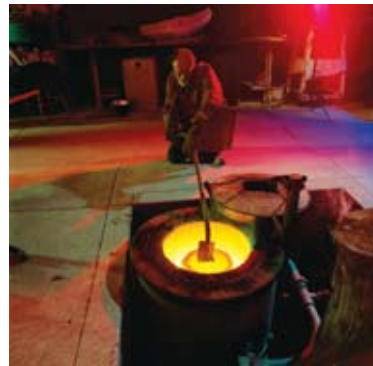
7. Putting iron core pins into the model.



8. Model with wax pouring cup and sprues added. The sprues create channels that will allow bronze to flow into the mold and allow air and gasses out.



9. The mold (investment) is applied in layers.



10. Scooping slag from the molten bronze.



11. Crucible moved with tongs to pouring ring.



12. Chiseling a sprue off of the cast bronze.



13. Sharpening surface details with a graver.



14. The completed bronze sculpture.