WWW.WORLDWORKSGAMES.COM

CASTLEWORKS ULTIMATE™

Gatehouse

The GateHouse

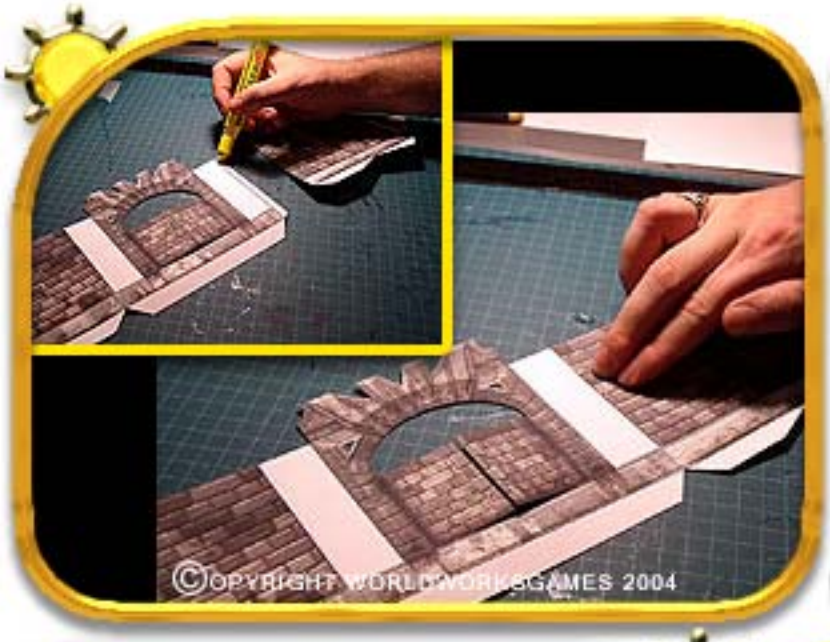
For those ambitious souls out there the Gatehouse is not only a centerpiece but can be built with a fully functional drawbridge and gate. Keep in mind that there are various points in the construction where you can opt to stop and keep things simple. Not everything in this guide needs to be completed and depending on how far you take it you can achieve different looks.

After printing out the Gatehouse base and mounting it *(See the "Basing" tutorial in the Masterboard/PaperLinx section)* we can now begin attaching elements.

Cutout, score and fold the remaining elements for this model so we can begin gluing and construction.

Fold over the top flap of the "Gatehouse Front wall" and glue in place. Allow a short drying period and cut away the remaining white space between the crenelations on the top portion of the wall (crown).

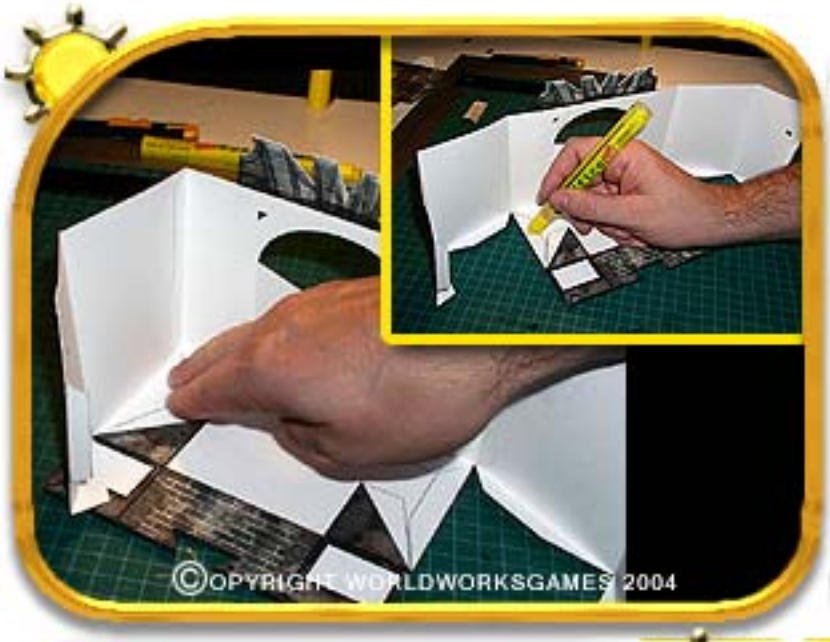
Flip the front wall over and glue both side tabs to the "Gatehouse Inside Walls" as shown.



Once the three walls sections are together flip the model over and make sure all folding points have been creased. Now place a bead of glue on the large central tab.

Bring the Gatehouse base close to the wall section as shown.

Glue the largest tab to the base section where marked.



Glue the adjacent tab where marked on the base and apply pressure once in place.

Glue the final tab in place as shown.

tip

In hard to reach areas where you can't apply pressure with your fingers try using a long pen.

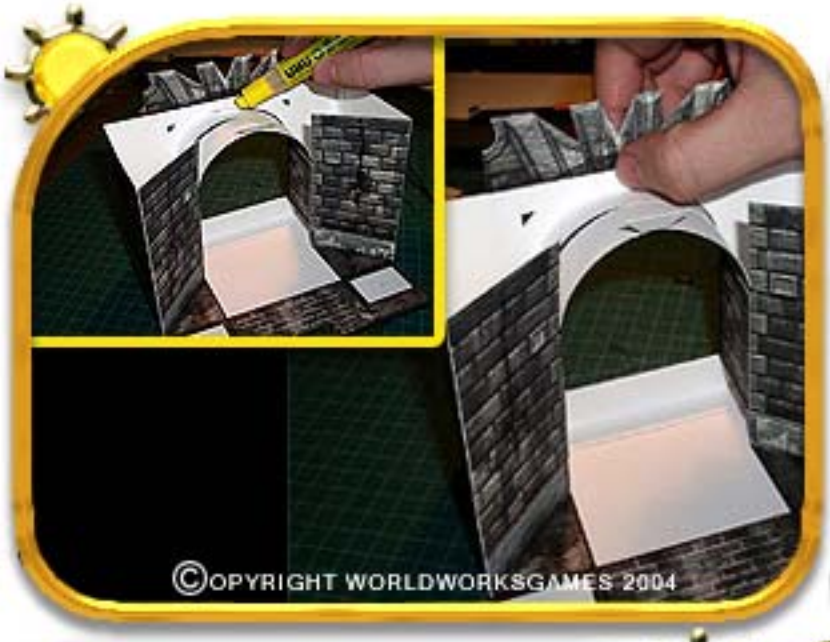
Repeat the above steps on the opposite side of the Gatehouse.

Apply glue to the final tab on the inside walls and attach the inner sweeping walls from the front of the Gatehouse. Repeat this step on both sides.

Cutout the “Inner Arch” section making sure to remove the slit of whitespace in its center. This opening will allow us to insert the gate section later on. Give the arch a slight bend with your hands before gluing. Test fit the piece to get a better sense of how it attaches.

Apply glue and attach to the inner wall being sure to keep things straight and level.

Glue the remaining tab in place on the opposite side again taking care to keep things level.



Glue the upper tab to the backside of the front wall. Be sure that the tab is centered so that the curve of the arch matches the front wall curve.

Bring out the final arch element for gluing.

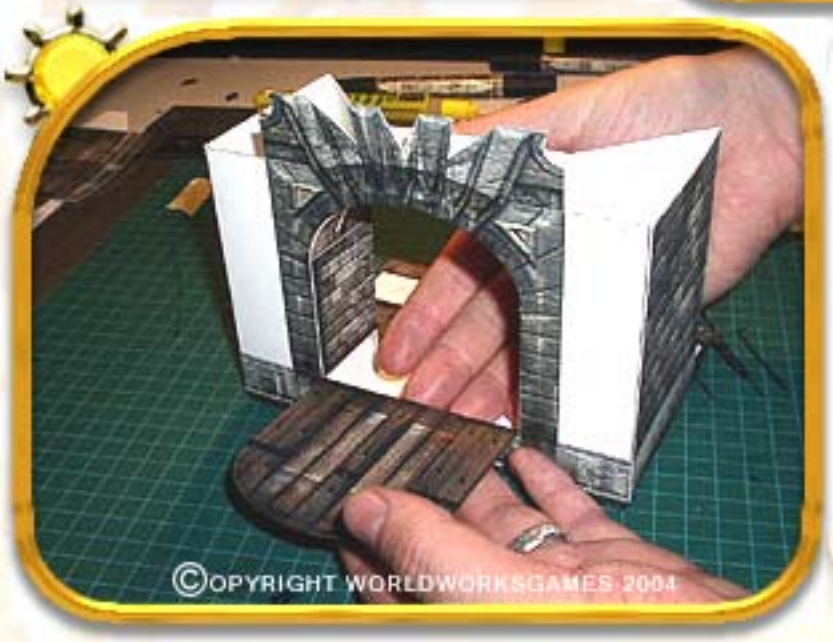
Glue each arch tab to the inside walls as shown. Be sure the top of the arch is level with the inside walls.

Glue the final arch tab to the backside of the arch element. Once again make sure that the tab is centered and follows the curve of the arch.

Fold over and glue the drawbridge element. Be sure to spread the glue evenly to all edges and allow a short drying period.

Once dry cut away the rounded corners.

Apply a bead of glue along the bottom tab.



Glue the drawbridge tab to the inside of the front wall. Once dry give the tab an extra bend so that it swings easily from open and closed positions.

Construct the gatehouse ramp. Use a pen for hard to reach gluing tabs.

Apply a thin but even coat of glue to the complete underside of the ramp.

Glue in place between the inner gatehouse walls. Be sure the piece is flush with the drawbridge and that the ramp angle is facing the back of the gatehouse. (See picture)

Bring forward the “Gatehouse Front Columns”

Construct the columns using a pen in hard to reach areas.

Apply a thin but even coat of glue to the reverse white area of the column.

Glue each column in place where marked on the front gatehouse wall. Apply pressure from the reverse side of the wall for at least 30 seconds.

Bring forward the “Gatehouse Roofing”

Fold over and glue the front ledge as shown.

Glue the remaining flap over as shown.

Carefully cut away the small white slit on the top of the roofing. This will allow the gate to slide through to the bottom of the gatehouse arch.

Glue the remaining tabs to the inside of the gatehouse roof as shown.

Align the gatehouse roof as shown and glue the two remaining tabs to the inside of the front gatehouse wall.

Apply a bead of glue to the remaining inside flaps of the gatehouse roof.

Stand the Gatehouse back to its upright position and close the roof over the outside walls.

Hold the sides firmly for 30 seconds for a secure bond.

tip

At this point you may decide to stop construction. You have completed the Gatehouse in its simplest form.

If you wish to proceed to phase two of Gatehouse construction, bring forward the “Upper wall” sections (Pages 8 and 9).

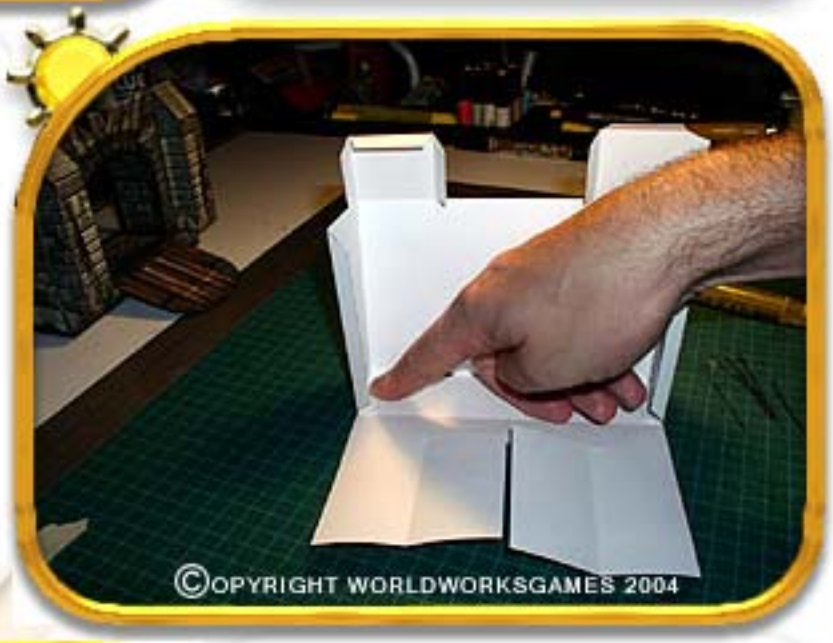
Glue the back wall to the front wall as shown (the longest glue tab).

If you haven't already be sure that you have removed the small white slits along the top ledge of the small wall. These slits are used to swap the various crenelations included in this set.

Glue the inside tabs as shown.

tip

When gluing always rotate your model so that you are applying pressure to tabs against your work surface. This will ensure even glue distribution and a solid bond.



Glue the remaining long tab in place as shown. Repeat this process on the opposite side of the wall.

Pull the inside wall section back and glue the inside tab on each side as shown.

Continue gluing the remaining tabs in place always flipping the model over to apply pressure against your work surface.

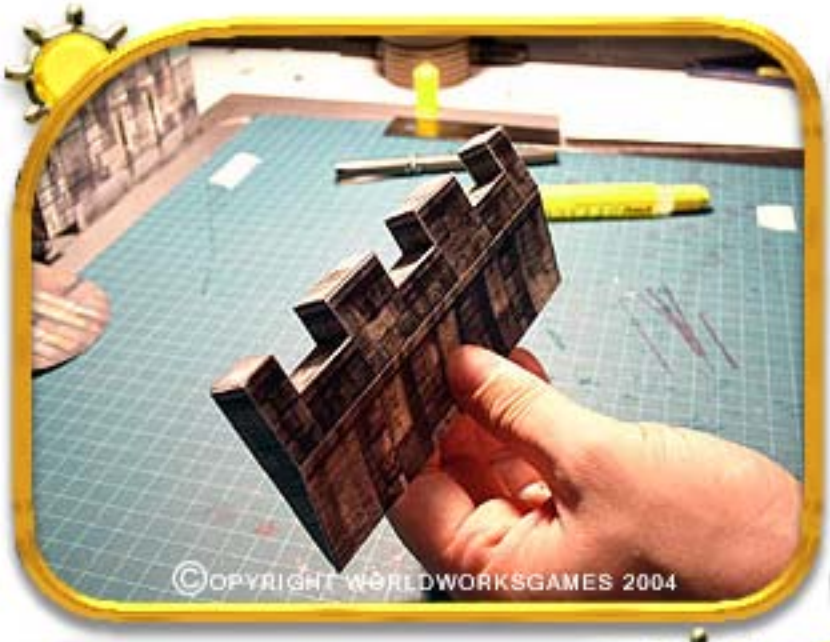
Once you have glued the final inside tabs briefly hold the model in place to allow for a short drying period.

Apply glue to the two inside tabs and secure the inside walls (as shown).

Apply a thin but even coat of glue to the reverse side of the remaining wall section.

Apply glue to both side tabs of the insert as well.

Insert the wall section in the center of the opening taking care to align the bottom evenly. Once sure of a central and flush position apply pressure to all areas of the insert.



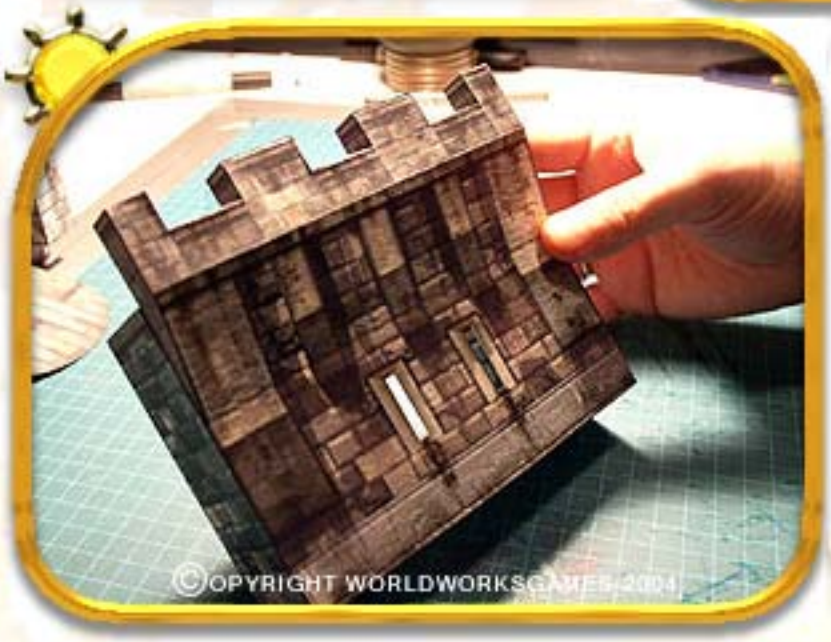
Construct the “GateHouse Crenelation”

For complete instruction on this model please see the “Crenelations” folder under “Complex Crenelation”.

SPECIAL NOTE TO 1-INCH USERS

At this point you may wish to glue the “1-inch walkway adaptor” in place over the upper walkway.

Once constructed simply slide the crenelation into the walkway slits. NO GLUING NECESSARY

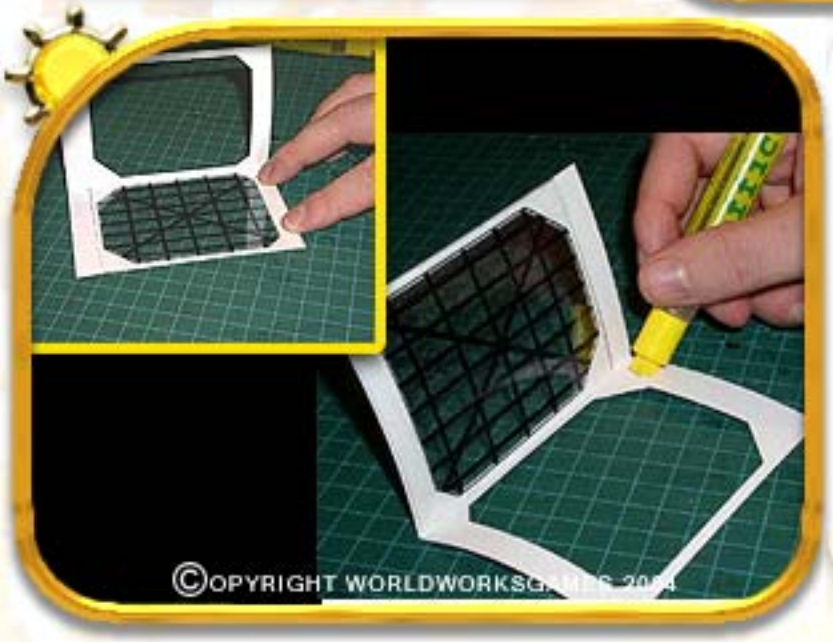


The Gatehouse Crenelations are just one option for topping your gatehouse. You may choose instead to place a Hoarding on the upper wall.

Now we'll focus on the main gate. Before proceeding you need to decide if you will be using the transparency version of the gate or the simple non-transparency version.

Cut away the internal white space of the gate as shown.

Cutout the gatehouse transparency (from the "Props", "Transparencies" folder) and apply a thin bead of glue around its border.



Position the glued transparency in the center of the gate and press in place until secure.

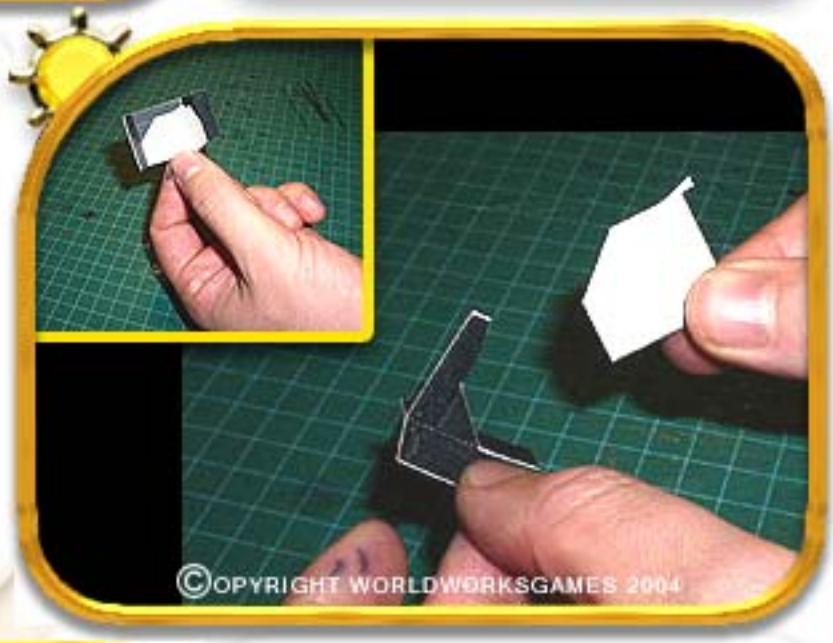
Apply a bead of glue around the edges of the gate. Fold over and apply pressure to each edge and corner until dry.

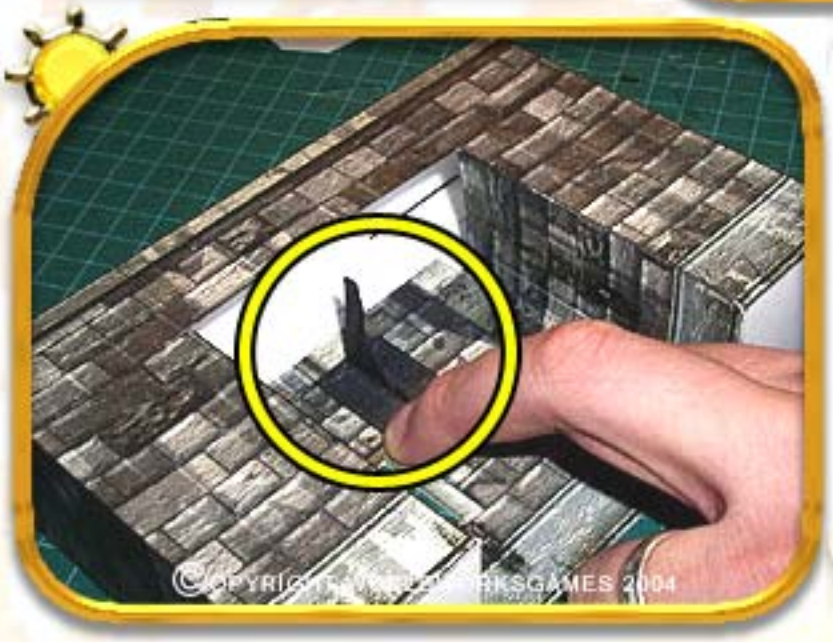
After a short drying period carefully cut away the whitespace between the spikes and the notch at the top of the gate.

Edge with a dark felt and set aside for the time being.

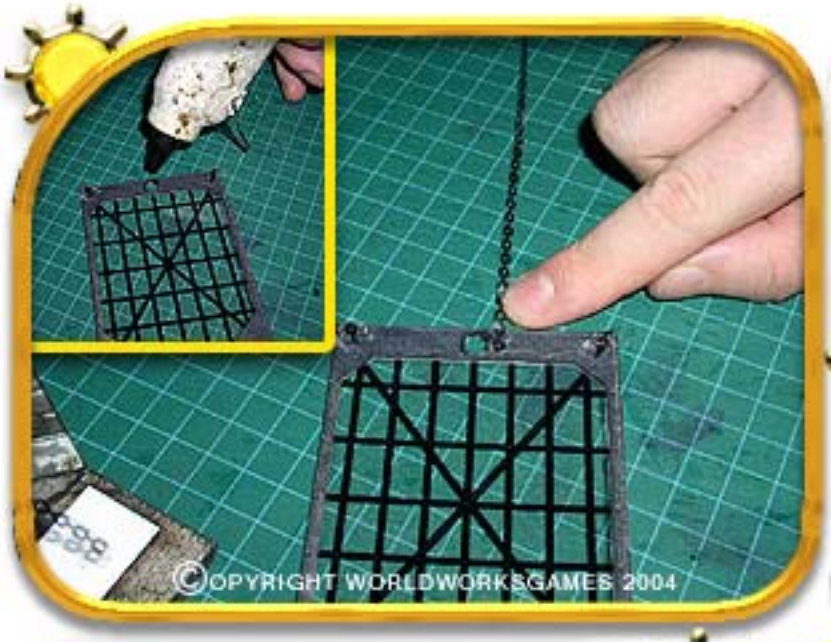
Fold over and glue the gate hanger.

Once dry remove the whitespace as shown. You may also want to edge the hanger with a dark felt at this point.





Glue the hanger base just above the windows within the upper gate wall.

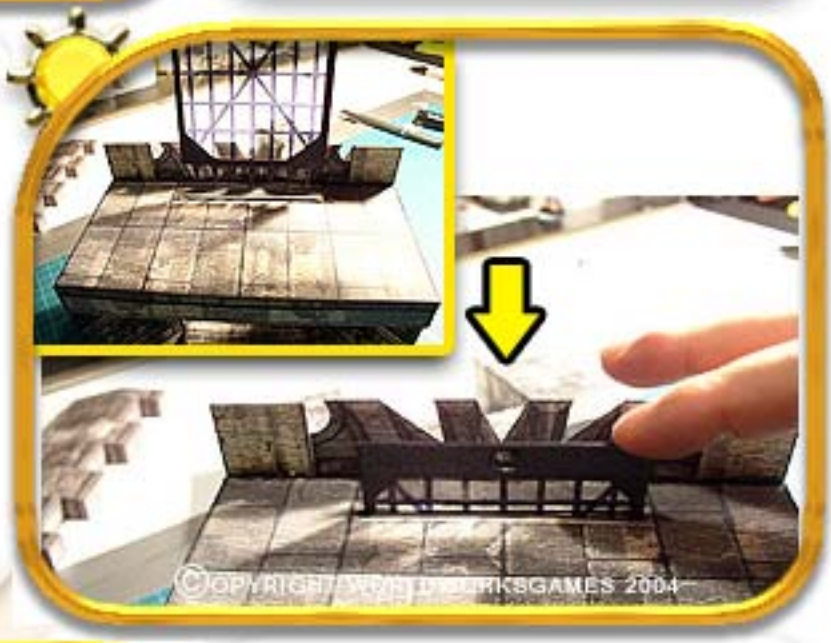


Cutout the chains from the transparencies sheet (located in the "Props" folder). Glue one end of the chain beside or above the small notch at the top of the gate.

tip

Transparencies can be difficult to secure with paper glues. Try using a hot gluegun instead. USE CAUTION glueguns can cause serious burns.

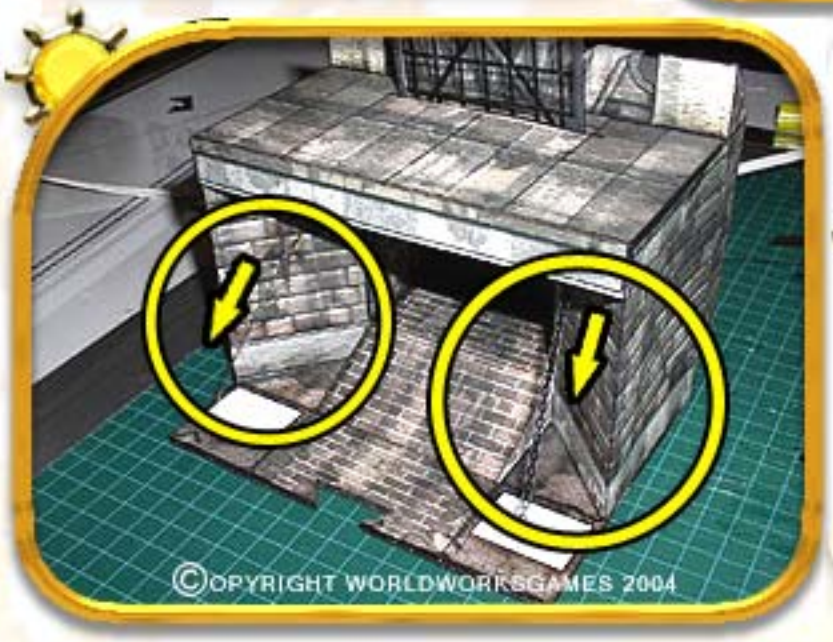
Slide the completed gate section into the top slit of the gatehouse roof. You may need to wiggle it around a bit to get it through to the bottom arch. Take your time!



Apply glue to the bottom of the upper gatehouse wall and secure in place over the gate. Be sure the sides aren't overhanging on either side and that the wall is flush against the front of the gatehouse.

Feed the gate chain through the notch in the center of the upper wall.

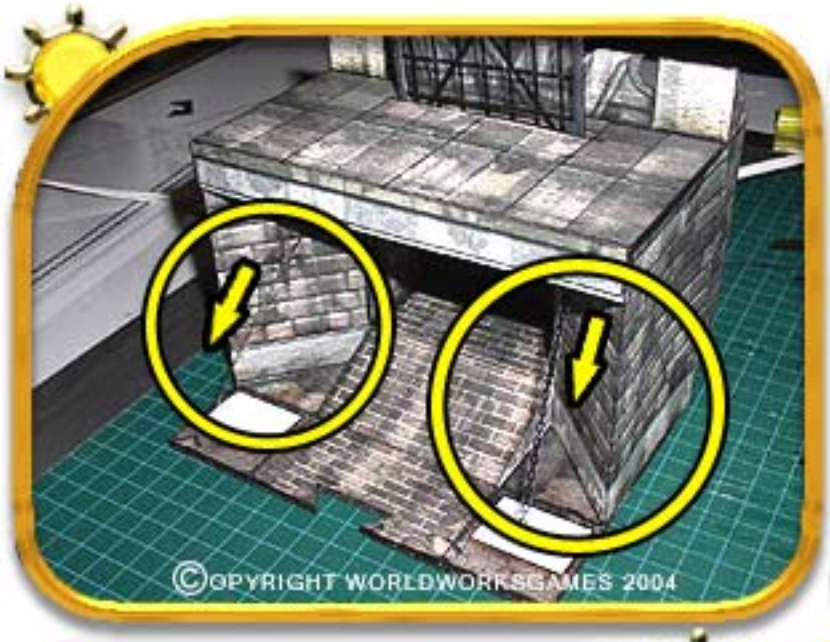
Move to the front of the gatehouse and feed two additional chains through the front of the gatehouse to the back side.



The two front chains should exit out the inner wall notches as shown.

tip

If you are having problems feeding the chains through both holes try attaching your chain to a length of wire with tape. Once attached you can line up both front and back holes and “fish” the wire through. Once through remove the tape and wire.



We'll leave these chains hanging for the time being and focus on the front side again.

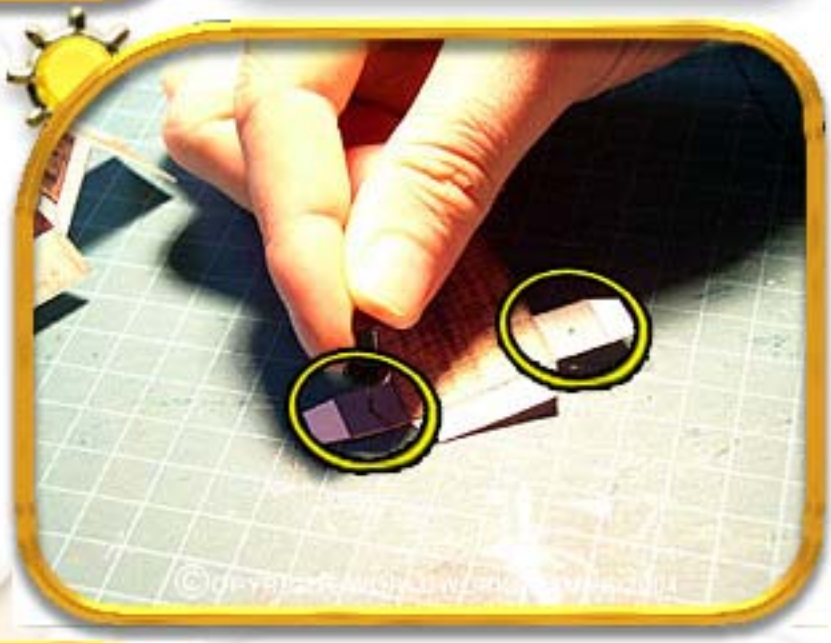
Glue the chains in place on each side of the drawbridge at the upper most corners.

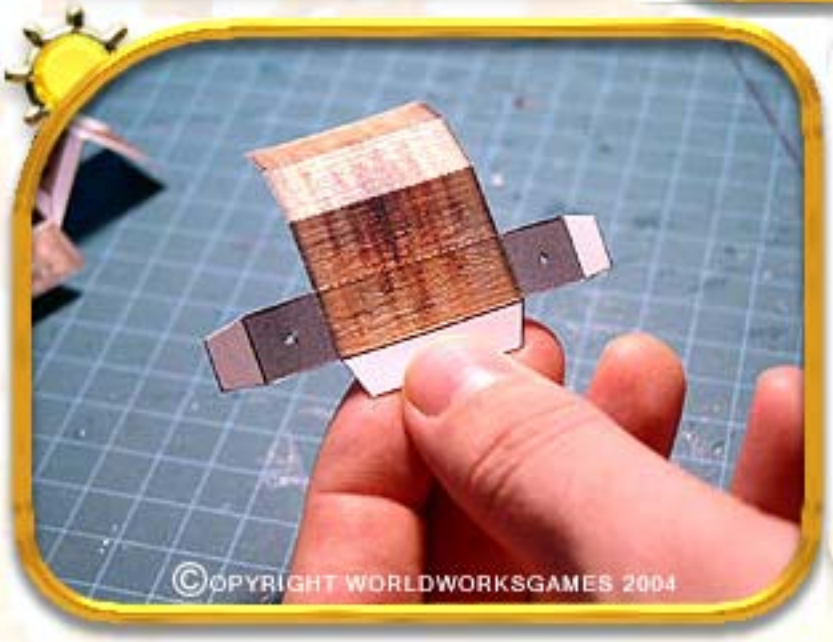
Now we can concentrate on the gears. Each gear system is comprised of four elements.

1. The box
2. The spindle
3. The gear

And a paperclip.

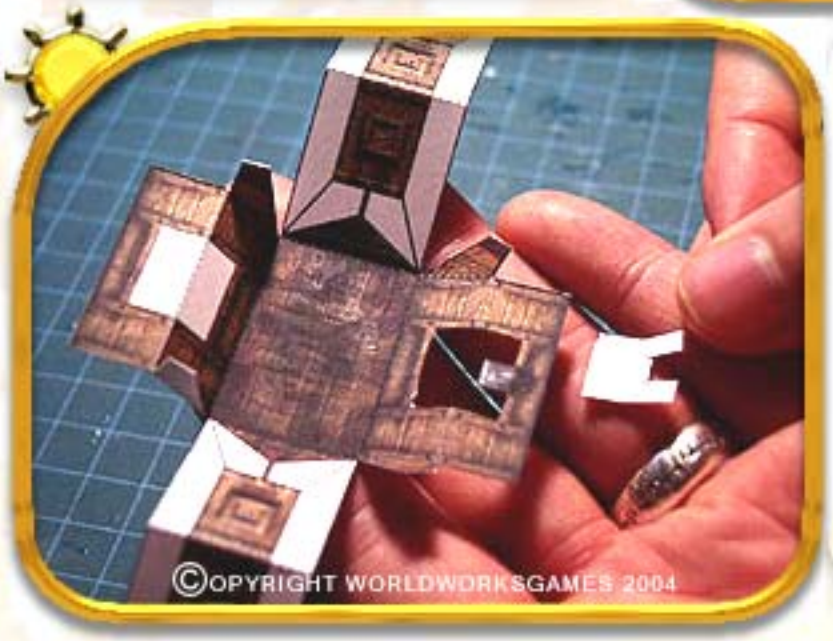
Start by punching a hole through each end of the spindle. Use a standard thumbtack for the job.





Glue the spindle together. Use a pen to reach small tabs (as shown)

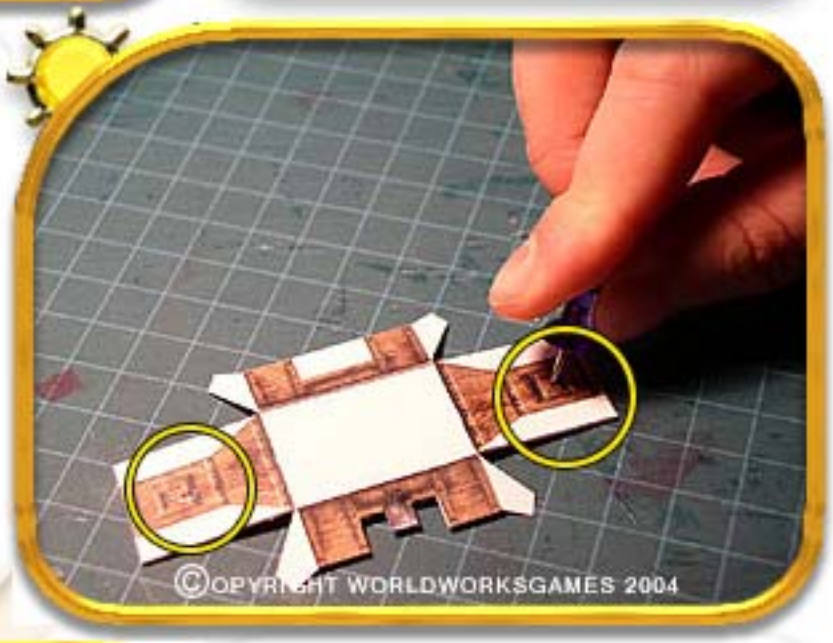
Glue and close up both ends.



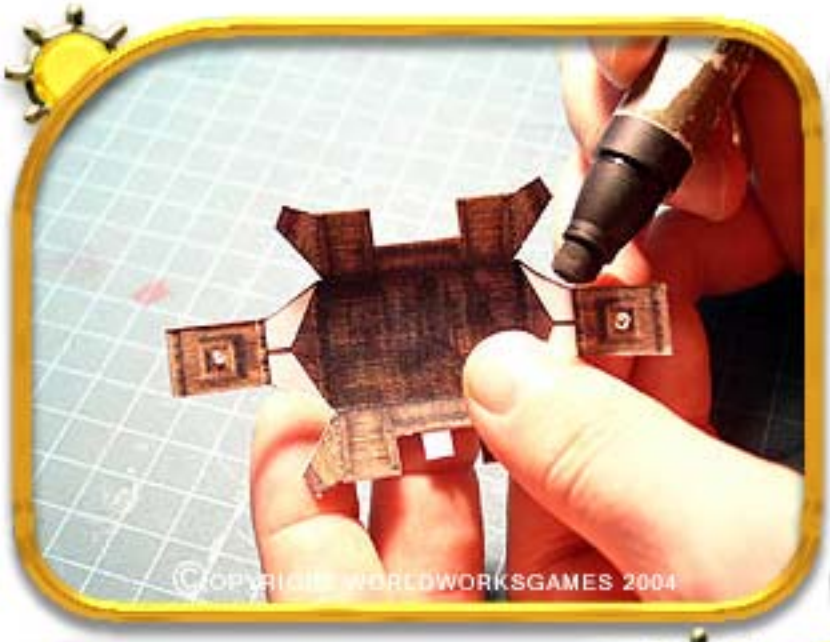
Cutaway the whitespace from the box where the little grey tab sticks up. This tab is used as a stopper for the gear.

Fold over and glue the four walls of the box.

Once again take your thumbtack and ream out a hole on each side of the box where marked. Twist the thumbtack a few times to make sure the hole is large enough to accommodate the diameter of a straightened paperclip.



Cutaway the remaining whitespace from the box as shown.



Edge your box with a dark felt.

Apply glue to the four box tabs.

Bring the box together as shown and apply internal pressure against the tabs using a pen. Hold until dry.

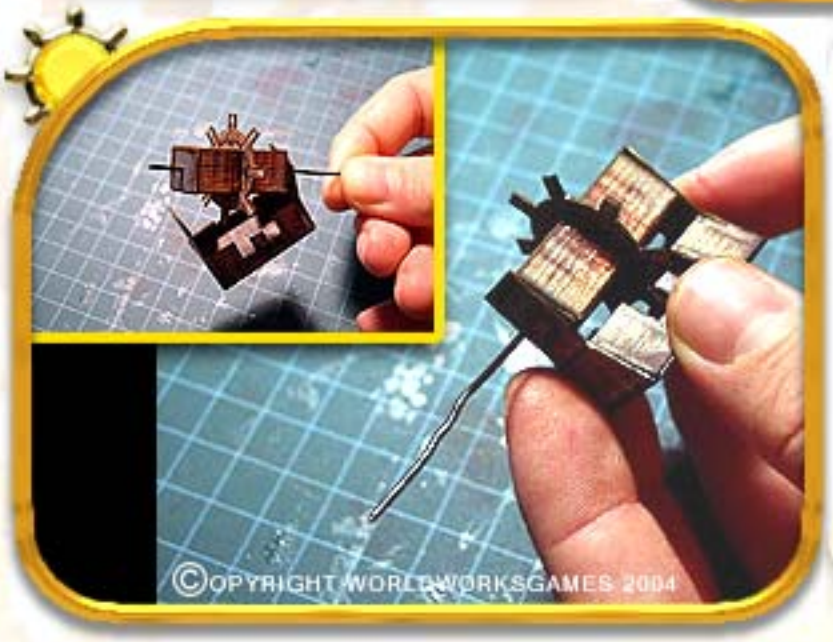
Fold over and glue the paper gear. Once dry cut away the outer and internal white space.

Slide the gear over the spindle.

Apply a bead of glue around the center of the spindle and slide the gear to center. Try and get the gear as close to center as possible.

Take a standard paperclip and straighten it out (as shown)

Insert the straight end of the paperclip into the first hole of our box.

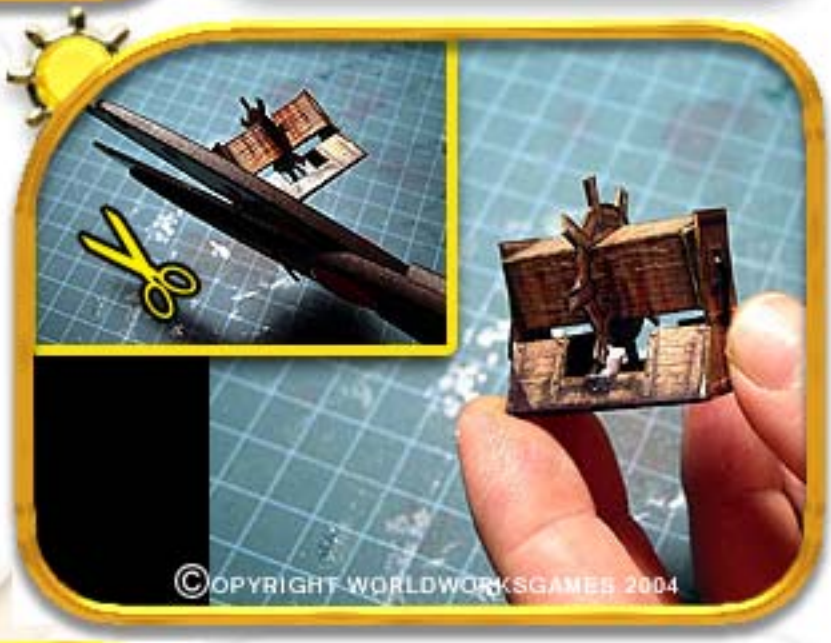


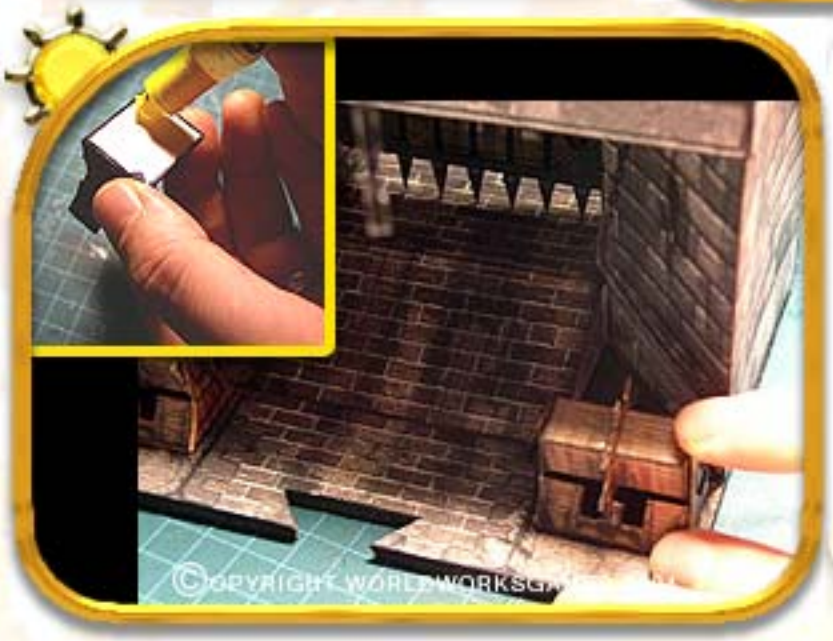
Feed the paperclip through the spindle.

Pull back the paperclip and insert into the final hole.

Bend the end of the paperclip over.

Using a pair of scissors cut away any excess paperclip wire.





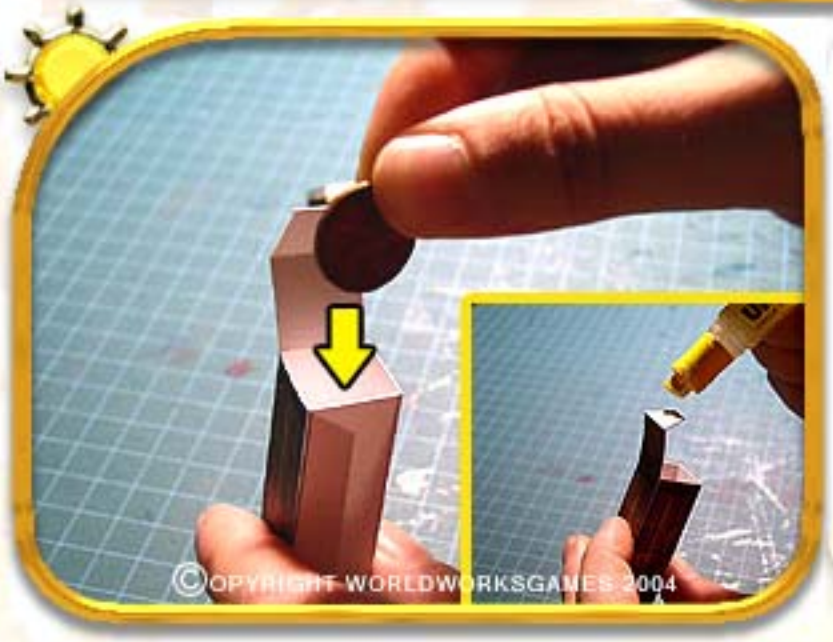
After creating three gear systems in the same manner described above you can now glue the bottom of your gear and place each where marked.

There is no placement marker for the top gear (gate gear) as this is an optional step. If you do use the upper gear place it directly underneath or near center of the chain.

Glue the chain to the inside edge of each spindle. Rotate the gear to take up any additional slack.

For the drawbridge to function properly we must add a ballast. This will enable the bridge to lower under its own weight.

Construct the ballast box making sure to leave one end open.



In the open end insert anywhere from 7-10 pennies or comparable weights. Once in place seal the box by gluing the final tab in place.

Take a few seconds and "Edge" your models with a dark felt. The end result is worth the extra minimal effort!

What is "Edging"? Please refer to the included Beginners Guide for step-by-step instruction.

Glue the backside of the ballast box.

Place the ballast in-between the two upper bracings on the outside of the drawbridge door.

THATS IT! Yes it was a long road but your players will ooo and ahh with the opening of that gate!