

Thirty+ years ago, when I started in this trade, you couldn't buy a ready-made or keg shoe that was comparable to one that a reasonably skilled farrier could make. The biggest problem with the keg shoes on the market at that time was that they were all really narrow webbed, but there were any number of other problems you could point to. The heels were pretty sad, with most of them being designed to be cropped on a hardy. The nail patterns were shallow, and nail pitch was pretty much non-existent; the fullering didn't match with any nail heads, and the heel nails were really at the heels.

The better farriers responded to the inadequacies of the marketplace by honing traditional skills, carrying a forge and a supply of bar stock, and building their own shoes. Part and parcel of building shoes on site was fitting them to the hoof, with the farrier taking the completed or almost completed shoe to the hoof, checking shape and fit and seating the shoe hot.

As the marketplace responded to the demands of the industry, the quality and variety of ready-made shoes changed dramatically, and many of the commercially available shoes on today's market are extremely well made. In fact, it's now quite rare that a farrier encounters a situation where s/he can't purchase a shoe that's adequately made for the situation.

So, with ready-made front and hind processes—processes that actually have controlled heat application or through patterned shoes, some even designed for a sequence. The first step is to hot fit the quenching) utilizes a more intense heat rights and lefts and virtually all avail- shoe. Fitting can be done at a mild or on the clip(s). By having the clip and the able with clips, doing an adequate job black heat, but as a farrier's skills devel- clip base hotter than the rest of the shoe, of cold shoeing is easier than it used to op, s/he can do this at a more intense the farrier can properly seat the clip into be. Subsequently, some farriers don't see heat, which will eliminate the need to the wall before seating the ground surthe need to fire their forges; some don't reheat the shoe before seating it. The face, thus avoiding a run-forward shoe even see the need to carry a forge.

on the market, I'll still make the special- fit and ensuring that s/he has ty shoe rather than carrying it in inven- • centered the shoe on the hoof, tory, and I'll still make my modifications as the situation dictates. But building shoes isn't my concern here. Instead, I want to focus on that "part and parcel" I referred to earlier—taking the hot shoe to the hoof.

Specifically, I want to establish and clarify the difference between hot fitting second step in the sequence and is done and hot seating, and I want to elaborate once the fine tuning is complete and the on the benefits—to both the farrier and farrier has established the final place-

## **Hot Fitting vs. Hot Seating**

For most horse owners and many horseshoers, there's simply cold shoeing and hot shoeing. They're not attuned to the intricacies and finesse involved in proper hot shoeing, and they see the practice merely as a smoke show (picture 1a). More often than not, these people perceive hot shoeing as a means for leveling the hoof and as a farrier's way of compensating for inadequate trimming. For them, hot shoeing involves nothing more than taking a hot shoe (usually too hot) to the hoof and smearing it until the hoof is flat (picture 1b).

We further their misconceptions and talk about hot shoeing, hot fitting, and hot seating as if they were inter- • sear the horn tubules shut, changeable, synonymous terms. The first step toward clarifying the intricacies of the practice, then, is to break away from the tendency to discuss hot seating and hot fitting as if they were necessary to distinguish yet another step the same thing.

The terms describe quite different ping heat," where the farrier (through shoe and hoof.

idea here is that the farrier is not seat-Personally, I'm not about to retire my ing the shoe and burning it evenly onto increases, the clipping heat is generally forge. Even with the high quality shoes the hoof. Instead, s/he is fine tuning the

- established a proper shape,
- addressed expansion/support in terms of both length and width, and
- determined an appropriate position and angle for clips (if applicable).

Hot seating, on the other hand, is the

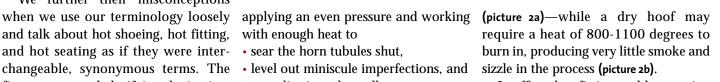
and an ill-fitting clip. As a farrier's skill incorporated into either the fitting stage, or—more often—the seating stage.

A number of factors go into determining both the proper heat and the proper time period for holding the burn, but the main factors are depth of sole and capsular moisture levels. Depth of sole is obviously a factor that must be assessed to determine that you don't "light up" the hoof and make the horse sensitive. Likewise, moisture content must be factored; a wet hoof may burn in well—popping, crackling, and roiling the horse—of hot fitting and seating ment of the shoe. At this stage, s/he is off a big smoke at 600-800 degrees





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In effect, hot fitting and hot seating involve more than a dramatic smoke and Occasionally, when using clips, it's flame fest; they're a sequenced process designed to fit the shoe to the hoof and between these two and talk about a "clip-seat it down, creating a union between



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level out miniscule imperfections, and

with enough heat to

• seat clips into the wall.

## **Benefits of Hot Fitting/Seating**

Done properly, there are tremendous benefits to hot fitting and hot seating. First and foremost, hot shoeing is simpler in that it is easier for the farrier to move and shape hot steel. At first kin, this may seem as if it's simply a farrier benefit—saving wear and tear on his/her arms. I would contend, however, that it's more than that. Because it's more difficult to shape the shoe cold, the farrier will be more likely to settle for less than perfect. Of course, when resetting shoes or when a hoof's shape is fairly consistent with a patterned shoe, that factor becomes less significant.



adjust minor imperfections of this sort. More pronounced imperfections of ally essential. It allows the farrier to burn of bacterial elements. level/flat (those that are 1/8" or greater) the clip(s) into the wall of the hoof, crebecome more obvious at this stage, and ating a much better union and establish- quate job of cold shoeing, you'll do a

to the seating stage.

providing an exact indica-

Even in these cases, however, farriers on the shoe, which indicates exactly how but quite valuable, benefits to hot fitcan find great benefit to hot fitting and much reveal is being left for expansion, ting and, especially, to hot seating. Searseating shoes. Burning a shoe on gives growth, and support (picture 5a). The ing the hoof seals and closes the horn the farrier an opportunity to "read" a char can be used as a guideline for tubules (epithelial cells), which have number of things.... The obvious "read" adjusting the shoe at the fitting stage been opened during the trimming involves level and flat and finding and as a reference point for boxing the process, and aids in maintaining consishigh/low spots in the shoe picture 3a or, shoe at the seating stage. Finally, once tent moisture levels within the hoof capmore often, in the trimmed hoof photo the shoe is seated, the farrier can "read" sule. In wet climates, you will seldom 3b. Imperfections can be noted in the fit- both the shoe and the hoof to see if there see "hoof hairs" on overly hydrated feet. ting stage, while the seating stage will is sole pressure to be relieved (picture 5b). Likewise, closing these tubules helps to

adjustments to the shoe or cutting the clip in or simply allow it to the hoof before proceeding "float" on the surface (pictures 6a and 6b). Likewise, seating the clip into the wall Additionally, when the in this manner avoids creating a "trap" shoe is seated at a proper where moisture and foreign material can heat, a "bump" will raise on collect between the clip and the hoof wall the hoof at each nail hole, (as seen in right side of picture 7).

In addition to the immediate feedtion of where each nail will back provided by the visual "reads" start (picture 4a). Likewise, during the actual fitting and seating there will be a char pattern sequence, there are other less obvious, When using clips, hot seating is virtuesstablish a barrier against the intrusion

So... while it's possible to do an adethe farrier can make the appropriate ing stability which won't be achieved by better job if you turn the heat on.

